ETSI

EUROPEAN
TELECOMMUNICATION
STANDARD

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 version 4.24.0)

ETSI

Contents

Foreword

This draft European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG) of the European Telecommunications Standards Institute (ETSI) and is now submitted for the One-step Approval Procedure (OAP) 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 4.24.0.

This part of the ETS (Part 3), contains Tree and Tabular Combined Notation (TTCN) for Layer 3, signalling for MS supporting Enhanced Full Rate Speech, and cell selection conformity specifications for which Mobile Stations, within the digital cellular telecommunications system (Phase 2), are tested for compliance.

The graphical form ATS

The electronic forms of the graphical representation (TTCN.GR format) corresponding to the ATS for Layer 3 are contained in the Adobe Portable Document Format™ files L3-4n0.PDF (Layer 3), EF-4n0.PDF (Enhanced Full Rate), CS-4n0.PDF (Cell Selection) and DB-4n0.PDF (Dual Band) which accompany this ETS (Part 3) (these files are contained in archive 6073_ea.ZIP).

The machine processable ATS

The electronic forms of the machine processable files (TTCN.MP format) corresponding to the ATS for Layer 3 are contained in the ASCII files L3-4o0.mp (Layer 3), EF-4o0.mp (Enhanced Full Rate), CS-4o0.mp (Cell Selection) and DB-4o0.mp (Dual Band) which accompany this ETS (Part 3) (these files are contained in archive 6073_ea.ZIP).

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.

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

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1 Scope

This European Telecommunication Standard (ETS) 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".

[5]   ISO/IEC 8824: "Information Technology-OSI- Specification of Abstract Syntax Notation One (ASN.1)".

[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); 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]   GSM 02.02 Version 4.2.2: "Digital cellular telecommunication system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".

[11]   GSM 02.03 Version 4.3.1: "Digital cellular telecommunication system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN)".

[12]   GSM 02.06 Version 4.5.2: "Digital cellular telecommunication system (Phase 2); Types of Mobile Stations (MS)".

[13]   GSM 02.07 Version 4.8.2: "Digital cellular telecommunication system (Phase 2); Mobile Station (MS) features".

[14]   GSM 02.30 Version 4.13.0: "Digital cellular telecommunication system (Phase 2); Man-Machine Interface (MMI) of the Mobile Station (MS)".

[15]   GSM 03.03 Version 4.9.0: "Digital cellular telecommunication system (Phase 2); Numbering, addressing and identification".

[16]   GSM 03.09 Version 4.6.0: "Digital cellular telecommunications system (Phase 2); Handover procedures".

[17]   GSM 03.10 Version 4.3.1: "Digital cellular telecommunications system (Phase 2); GSM Public Land Mobile Network (PLMN) connection types".

[18]   GSM 03.11 Version 4.10.1: "Digital cellular telecommunication system (Phase 2); Technical realization of supplementary services".

[19]   GSM 03.12 Version 4.4.2: "Digital cellular telecommunications system (Phase 2); Location registration procedures".

[20]   GSM 03.14 Version 4.1.1: "Digital cellular telecommunications system (Phase 2); Support of Dual Tone Multi-Frequency signalling (DTMF) via the GSM system".

[21]   GSM 03.22 Version 4.11.0: "Digital cellular telecommunication system (Phase 2); Functions related to Mobile Station (MS) in idle mode".

[22]   GSM 03.40 Version 4.13.0: "Digital cellular telecommunication system (Phase 2); Technical realization of the Short Message Service (SMS) Point to Point (PP)".

[23]   GSM 03.41 Version 4.11.0: "Digital cellular telecommunication system (Phase 2); Technical realization of Short Message Service Cell Broadcast (SMSCB)".

[24]   GSM 04.01 Version 4.0.4: "Digital cellular telecommunications system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface General aspects and principles".

[25]   GSM 04.03 Version 4.1.1: "Digital cellular telecommunications system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface Channel structures and access capabilities".

[26]   GSM 04.04 Version 4.0.4: "Digital cellular telecommunication system (Phase 2); layer 1 General requirements".

[27]   GSM 04.05 Version 4.0.3: "Digital cellular telecommunication system (Phase 2); Data Link (DL) layer General aspects".

[28]   GSM 04.06 Version 4.4.0: "Digital cellular telecommunication system (Phase 2); Mobile Station - Base Station System (MS - BSS) interface Data Link (DL) layer specification".

[29]   GSM 04.07 Version 4.3.1: "Digital cellular telecommunication system (Phase 2); Mobile radio interface signalling layer 3 General aspects".

[30]   GSM 04.08 Version 4.22.1: "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 specification".

[31]   GSM 04.10 Version 4.10.1: "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 Supplementary services specification General aspects".

[32]   GSM 04.11 Version 4.10.0: "Digital cellular telecommunication system (Phase 2); Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".

[33]   GSM 04.12 Version 4.6.0: "Digital cellular telecommunication system (Phase 2); Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface".

[34]   GSM 04.80 Version 4.11.1: "Digital cellular telecommunication system (Phase 2); Mobile radio interface layer 3 supplementary services specification; Formats and coding".

[35]   GSM 04.81 Version 4.4.1: "Digital cellular telecommunication system (Phase 2); Line identification supplementary services - Stage 3".

[36]   GSM 04.82 Version 4.9.1: "Digital cellular telecommunication system (Phase 2); Call Forwarding (CF) supplementary services - Stage 3".

[37]   GSM 04.83 Version 4.6.1: "Digital cellular telecommunication system (Phase 2); Call Waiting (CW) and Call Hold (HOLD) supplementary services - Stage 3".

[38]   GSM 04.84 Version 4.3.2: "Digital cellular telecommunication system (Phase 2); MultiParty (MPTY) supplementary services - Stage 3".

[39]   GSM 04.85 Version 4.1.1: "Digital cellular telecommunications system (Phase 2); Closed User Group (CUG) supplementary services - Stage 3".

[40]   GSM 04.86 Version 4.5.2: "Digital cellular telecommunication system (Phase 2); Advice of Charge (AoC) supplementary services - Stage 3".

[41]   GSM 04.88 Version 4.7.1: "Digital cellular telecommunication system (Phase 2); Call Barring (CB) supplementary services - Stage 3".

[42]   GSM 04.90 Version 4.1.1: "Digital cellular telecommunication system (Phase 2); Unstructured supplementary services operation - Stage 3".

[43]   GSM 05.01 Version 4.6.0: "Digital cellular telecommunications system (Phase 2); Physical layer on the radio path General description".

[44]   GSM 05.02 Version 4.9.1: "Digital cellular telecommunication system (Phase 2); Multiplexing and multiple access on the radio path".

[45]   GSM 05.03 Version 4.5.1: "Digital cellular telecommunication system (Phase 2); Channel coding".

[46]   GSM 05.04 Version 4.0.3: "Digital cellular telecommunication system (Phase 2); Modulation".

[47]   GSM 05.05 Version 4.22.1: "Digital cellular telecommunication system (Phase 2); Radio transmission and reception".

[48]   GSM 05.08 Version 4.21.1: "Digital cellular telecommunication system (Phase 2); Radio subsystem link control".

[49]   GSM 05.10 Version 4.9.0: "Digital cellular telecommunication system (Phase 2); Radio subsystem synchronisation".

[50]   GSM 07.01 Version 4.10.0: "Digital cellular telecommunication system (Phase 2); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)".

[51]   GSM 08.08 Version 4.12.1: "Digital cellular telecommunications system (Phase 2); Mobile-services Switching Centre - Base Station System (MSC - BSS) interface Layer 3 specification".

[52]   GSM 08.58 Version 4.9.0: "Digital cellular telecommunications system (Phase 2); Base Station Controller - Base Transceiver Station (BSC - BTS) interface Layer 3 specification".

[53]   GSM 09.02 Version 4.18.0: "Digital cellular telecommunication system (Phase 2); Mobile Application Part (MAP) specification".

[54]   GSM 11.10-1 Version 4.24.0: "Digital cellular telecommunications system (Phase 2); Mobile Station (MS) conformance specification; Part 1: Conformance specification".

[55]   GSM 11.10-2 Version 4.15.0: "Digital cellular telecommunications system (Phase 2); Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) Proforma specification".

3   Definitions and abbreviations

3.1   Definitions

For the purposes 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 purposes 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-BO	BI 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-semantical 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 Machines (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 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 section 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 section 26.5.6.1.2 in the prETS 300 607-1. In case where the section 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 (MMI) 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 figure 1).
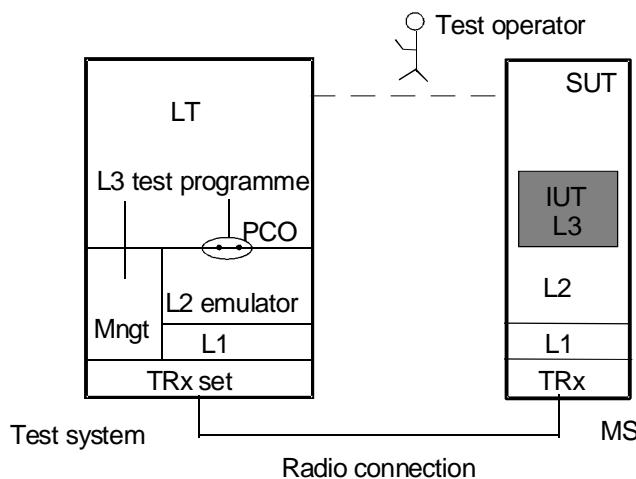
Figure 3: Test system and distributed test method

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 standardized 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 co-ordination.

Annex A (normative):   Layer 3 Abstract Test Suite

This ATS has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3 [3].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the contents table. The ATS itself contains a test suite overview part which provides additional information and references.

A.1   The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS for Layer 3 is contained in an Adobe Portable Document Format™ file (l3-4o0.PDF, contained in archive 6073_ea.ZIP) (Layer 3) which accompanies this ETS (Part 3).

A.2   The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS for Layer 3 is contained in an ASCII file (l3-4o0.mp, contained in archive 6073_ea.ZIP) (Layer 3) which accompanies this ETS (Part 3).

NOTE: According to ISO/IEC 9646-3 [3], in case of a conflict in interpretation of the operational semantics of TTCN.GR and TTCN.MP, the operational semantics of the TTCN.GR representation takes precedence.

Annex B (normative): 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	

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 standardized ATS, and identifies all restrictions for the test execution required by the MOT beyond those stated in the reference standardized 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 proforma 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

B.7.1   Information provided for test purposes by the MS supplier

Item	Description	Type/Allowed values	Supported Value
TSPC_24DataF	2.4 k full rate data mode supported	BOOLEAN	
TSPC_24DataH	2.4 k half rate data mode supported	BOOLEAN	
TSPC_48DataF	4.8 k full rate data mode supported	BOOLEAN	
TSPC_48DataH	4.8 k half rate data mode supported	BOOLEAN	
TSPC_96Data	9.6 k full rate data mode supported	BOOLEAN	
TSPC_Feat_A51	ciphering algorithm A5/1 supported	BOOLEAN	
TSPC_Feat_A52	ciphering algorithm A5/2 supported	BOOLEAN	
TSPC_AddCharSet	A, B, C, D chars supported	BOOLEAN	
TSPC_AddInfo_PseudoSynch	Pseudo synchronised supported	BOOLEAN	

Item	Description	Type/Allowed values	Supported Value
TSPC_AlertInd	alerting indication to the user supported	BOOLEAN	
TSPC_SvcOnTCH	at least one service on traffic channel supported	BOOLEAN	
TSPC_SMS	at least one short message service supported	BOOLEAN	
TSPC_SS	at least one supplementary service supported	BOOLEAN	
TSPC_AutoAutoMode	automatically enter automatic selection of PLMN mode supported	BOOLEAN	
TSPC_BasCharSet	Chars 0-9, *, # supported	BOOLEAN	
TSPC_CalledNumDisp	called number display supported	BOOLEAN	
TSPC_DCS	testing DCS1 800	BOOLEAN	
TSPC_DetachOnPwrDn	detach on power down supported	BOOLEAN	
TSPC_DetachOnSIMRmv	detach on SIM remove supported	BOOLEAN	
TSPC_DispRcvSMS	display of received SMS supported	BOOLEAN	
TSPC_DualRate	dual rate channel types supported	BOOLEAN	
TSPC_EGSM	both standard and extended GSM band supported	BOOLEAN	
TSPC_EmgOnly	the only circuit switched basic service is emergency call	BOOLEAN	
TSPC_followOnReq	follow-on request procedure supported	BOOLEAN	
TSPC_HalfRateData	half rate data supported	BOOLEAN	
TSPC_HalfRateSpeech	half rate speech mode supported	BOOLEAN	
TSPC_InCallMod	In-Call modification supported	BOOLEAN	
TSPC_NoimmConn	at least one service not support immediate connection	BOOLEAN	
TSPC_Feat_FND	FND feature supported	BOOLEAN	
TSPC_NonCallSS	non call related supplementary service supported	BOOLEAN	
TSPC_MTsvc	at least one MT circuit switched basic service supported	BOOLEAN	
TSPC_MOsvc	at least one MO circuit switched basic service supported	BOOLEAN	
TSPC_PGSM	only standard GSM band supported	BOOLEAN	
TSPC_RefusalCall	refusal of call supported	BOOLEAN	
TSPC_ReplaceSMS	replace SMS supported	BOOLEAN	
TSPC_ReplyProc	(SMS) reply procedures supported	BOOLEAN	

Item	Description	Type/Allowed values	Supported Value
TSPC_RFAmp	RF amplification supported	BOOLEAN	
TSPC_SDCCHOnly	only SDCCH supported	BOOLEAN	
TSPC_Serv_SS_AoCC	AOCC SS supported	BOOLEAN	
TSPC_Serv_SS_BAIC	BAIC SS supported	BOOLEAN	
TSPC_Serv_SS_BI	BI SS supported	BOOLEAN	
TSPC_Serv_SS_BICRoam	BICRoam SS supported	BOOLEAN	
TSPC_Serv_SS_BAOC	BAOC SS supported	BOOLEAN	
TSPC_Serv_SS_BOIC	BOIC SS supported	BOOLEAN	
TSPC_Serv_SS_BOICexHC	BOICExHC SS supported	BOOLEAN	
TSPC_Serv_SS_CFB	CFB supported	BOOLEAN	
TSPC_Serv_SS_CFNRy	CFNry supported	BOOLEAN	
TSPC_Serv_SS_CFNRc	CFNRc supported	BOOLEAN	
TSPC_Serv_SS_CFU	CFU supported	BOOLEAN	
TSPC_Serv_SS_HOLD	Call Hold SS supported	BOOLEAN	
TSPC_Serv_SS_MPTY	multiparty SS supported	BOOLEAN	
TSPC_Serv_SS_unstruct	USSD supported	BOOLEAN	
TSPC_Serv_TS11	telephony supported	BOOLEAN	
TSPC_Serv_TS12	emergency call supported	BOOLEAN	
TSPC_Serv_TS21	SMS MT/PP supported	BOOLEAN	
TSPC_Serv_TS22	SMS MO/PP supported	BOOLEAN	
TSPC_Serv_TS23	SMS cell broadcast supported	BOOLEAN	
TSPC_Serv_TS61	alternate speech and G3 fax (TS61) supported	BOOLEAN	
TSPC_Serv_TS62	automatic G3 fax (TS62) supported	BOOLEAN	
TSPC_Serv_BS21	data circuit duplex async 300 bit/s supported	BOOLEAN	
TSPC_Serv_BS22	data circuit duplex async 1 200 bit/s supported	BOOLEAN	
TSPC_Serv_BS23	data circuit duplex async 1 200/75 bit/s supported	BOOLEAN	
TSPC_Serv_BS24	data circuit duplex async 2 400 bit/s supported	BOOLEAN	
TSPC_Serv_BS25	data circuit duplex async 4 800 bit/s supported	BOOLEAN	

Item	Description	Type/Allowed values	Supported Value
TSPC_Serv_BS26	data circuit duplex async 9 600 bit/s supported	BOOLEAN	
TSPC_Serv_BS31	data circuit duplex sync 1 200 bit/s supported	BOOLEAN	
TSPC_Serv_BS32	data circuit duplex sync 2 400 bit/s supported	BOOLEAN	
TSPC_Serv_BS33	data circuit duplex sync 4 800 bit/s supported	BOOLEAN	
TSPC_Serv_BS34	data circuit duplex sync 9 600 bit/s supported	BOOLEAN	
TSPC_Serv_BS41	PAD access 300 bit/s supported	BOOLEAN	
TSPC_Serv_BS42	PAD access 1 200 bit/s supported	BOOLEAN	
TSPC_Serv_BS43	PAD access 1 200/75 bit/s supported	BOOLEAN	
TSPC_Serv_BS44	PAD access 2 400 bit/s supported	BOOLEAN	
TSPC_Serv_BS45	PAD access 4 800 bit/s supported	BOOLEAN	
TSPC_Serv_BS46	PAD access 9 600 bit/s supported	BOOLEAN	
TSPC_Serv_BS51	packet access 2 400 bit/s supported	BOOLEAN	
TSPC_Serv_BS52	packet access 4 800 bit/s supported	BOOLEAN	
TSPC_Serv_BS53	packet access 9 600 bit/s supported	BOOLEAN	
TSPC_Serv_BS61	alternate speech/data (BS61) supported	BOOLEAN	
TSPC_Serv_BS81	speech followed data (BS81) supported	BOOLEAN	
TSPC_SMSStatusRepCap	SMS status report capabilities supported	BOOLEAN	
TSPC_StoreRcvSMSME	Storage of received SMS in ME supported	BOOLEAN	
TSPC_StoreRcvSMSSIM	Storage of received SMS in SIM supported	BOOLEAN	
TSPC_SIMRmv	SIM removable without power down supported	BOOLEAN	
TSPC_SwitchOnOff	switch on/off supported	BOOLEAN	
TSPC_TranspDataOnly	only transparent data service supported	BOOLEAN	
TSPX_TE_stopbit	TE conf. number stop bits. default value : '0'B, 1 bit	BITSTRING[1]	
TSPX_TE_databit	TE conf. number data bits. default value : '1'B, 8 bits	BITSTRING[1]	
TSPX_TE_FLCT	TE flow control. default : 0, outband flow control	0, 1, 2	
TSPX_TE_parity	TE conf. parity. default : '001'B, no parity	BITSTRING[3]	
TSPX_BS_21_itc1	itc value supported for BS21. default value : '001'B, UDI	BITSTRING[3]	
TSPX_BS_21_more_itc	more than one itc value supported by BS21. default value : FALSE, only one itc	BOOLEAN	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_21_T_NT	both T and NT supported by BS21. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_21_ce	ce value used in MO call and if the answer to TSPX_BS_21_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent mode	BITSTRING[2]	
TSPX_BS_21_sacp	sacp value used in MO call. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_21_itc2	other itc value supported by BS21, it shall be differenet from the previous one if the answer to TSPX_BS_21_more_itc is TRUE. default value :'001'B, UDI	BITSTRING[3]	
TSPX_BS_22_itc1	itc value supported by BS22. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_22_more_itc	more than one itc value supported by BS22. default value : FALSE, only one itc	BOOLEAN	
TSPX_BS_22_T_NT	both T and NT supported by BS22. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_22_ce	ce value used in MO call and if the answer to TSPX_BS_22_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '01'B, non transparent	BITSTRING[2]	
TSPX_BS_22_sacp	sacp value used in MO call. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_22_itc2	other itc value supported by BS22, it shall be differenet from the previous one if the answer to TSPX_BS_22_more_itc is TRUE. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_23_itc	itc value supported by BS23. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_23_T_NT	both T and NT supported for BS23. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_23_ce	ce value used in MO call. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_23_sacp	sacp value used in MO call. default value : '001'B, I440/450	BITSTRING[3]	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_24_itc1	itc value supported by BS24. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_24_more_itc	more than one itc value supported by BS24. default value : FALSE, only one itc	BOOLEAN	
TSPX_BS_24_T_NT	both T and NT supported by BS24. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_24_ce	ce value used in MO call and if the answer to TSPX_BS_24_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_24_sacp	sacp value used in MO call. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_24_itc2	other itc value supported by BS24, it shall be differenet from the previous one if the answer to TSPX_BS_24_more_itc is TRUE. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_25_itc1	itc value supported by BS25. default value : '001'B, UDI	BITSTRING[3]	
TSPX_BS_25_more_itc	more than one itc value supported by BS25. default value : FALSE, only one itc	BOOLEAN	
TSPX_BS_25_T_NT	both T and NT supported by BS25. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_25_ce	ce value used in MO call and if the answer to TSPX_BS_25_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_25_sacp	sacp value used in MO call. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_25_itc2	other itc value supported by BS25, it shall be differenet from the previous one if the answer to TSPX_BS_25_more_itc is TRUE. default value : '001'B, UDI	BITSTRING[3]	
TSPX_BS_26_itc1	itc value supported by BS26. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_26_more_itc	more than one itc value supported by BS26. default value : FALSE, only one itc	BOOLEAN	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_26_T_NT	both T and NT supported by BS26. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_26_ce	ce value used in MO call and if the answer to TSPX_BS_26_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_26_sacp	sacp value used in MO call. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_26_itc2	other itc value supported by BS26, it shall be differenet from the previous one if the answer to TSPX_BS_26_more_itc is TRUE. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_31_more_itc	more than one itc value supported by BS31. default value : FALSE, only one itc	BOOLEAN	
TSPX_BS_31_more_sacp	more than one sacp value supported by BS31. default value : FALSE, only one sacp	BOOLEAN	
TSPX_BS_31_itc1	itc value supported by BS31. default value : '001'B, UDI	BITSTRING[3]	
TSPX_BS_31_sacp1	sacp value supported by BS31. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_31_itc2	other itc value supported by BS31, it shall be differenet from the previous one if the answer to TSPX_BS_31_more_itc is TRUE. default value : '001'B, UDI	BITSTRING[3]	
TSPX_BS_31_sacp2	other sacp value supported by BS31, it shall be differenet from the previous one if the answer to TSPX_BS_31_more_sacp is TRUE. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_32_itc1	itc value supported by BS32. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_32_more_itc	more than one itc value supported by BS32. default value : FALSE, only one itc	BOOLEAN	
TSPX_BS_32_more_sacp	more than one sacp value supported by BS32. default value : FALSE, only one sacp	BOOLEAN	
TSPX_BS_32_sacp1	sacp value supported by BS32. default value : '110'B, X.32	BITSTRING[3]	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_32_X32_T_NT	BS 32 both T and NT supported for X32 3.1kHz. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_32_X32_ce	if the answer to TSPX_BS_32_X32_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '01'B, non transparent	BITSTRING[2]	
TSPX_BS_32_itc2	other itc value supported by BS32, it shall be differenet from the previous one if the answer to TSPX_BS_32_more_itc is TRUE. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_32_sacp2	other sacp value supported by BS32, it shall be differenet from the previous one if the answer to TSPX_BS_32_more_sacp is TRUE. default value : '110'B, X.32	BITSTRING[3]	
TSPX_BS_33_itc1	itc value supported by BS33. default value : '001'B, UDI	BITSTRING[3]	
TSPX_BS_33_more_itc	more than one itc value supported by BS33. default value : FALSE, only one itc	BOOLEAN	
TSPX_BS_33_more_sacp	more than one sacp value supported by BS33. default value : FALSE, only one sacp	BOOLEAN	
TSPX_BS_33_sacp1	sacp value supported by BS33. default value : '010'B, X.21	BITSTRING[3]	
TSPX_BS_33_X32_T_NT	BS 33 both T and NT supported for X32 3.1kHz. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_33_X32_ce	if the answer to TSPX_BS_33_X32_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_33_itc2	other itc value supported by BS32, it shall be differenet from the previous one if the answer to TSPX_BS_33_more_itc is TRUE. default value : '001'B, UDI	BITSTRING[3]	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_33_sacp2	other sacp value supported by BS33, it shall be differenet from the previous one if the answer to TSPX_BS_33_more_sacp is TRUE. default value : '010'B, X.21	BITSTRING[3]	
TSPX_BS_34_itc1	itc value supported by BS34. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_34_more_itc	more than one itc value supported by BS34. default value : FALSE, only one itc	BOOLEAN	
TSPX_BS_34_more_sacp	more than one sacp value supported by BS34. default value : FALSE, only one sacp	BOOLEAN	
TSPX_BS_34_sacp1	sacp value supported by BS34. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_34_X32_T_NT	BS 34 both T and NT supported for X32 3.1kHz. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_34_X32_ce	if the answer to TSPX_BS_34_X32_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_34_itc2	other itc value supported by BS34, it shall be differenet from the previous one if the answer to TSPX_BS_34_more_itc is TRUE. default value : '010'B, 3.1kHz audio, exPLMN	BITSTRING[3]	
TSPX_BS_34_sacp2	other sacp value supported by BS34, it shall be differenet from the previous one if the answer to TSPX_BS_34_more_sacp is TRUE. default value : '001'B, I440/450	BITSTRING[3]	
TSPX_BS_41_T_NT	BS41 both T and NT supported . default value : FALSE, not support both	BOOLEAN	
TSPX_BS_41_ce	ce value used in BS41 MO call. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_42_T_NT	BS42 both T and NT supported . default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_42_ce	ce value used in BS42 MO call. default value : '010'B, non transparent	BITSTRING[2]	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_43_T_NT	BS43 both T and NT supported . default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_43_ce	ce value used in BS43 MO call. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_44_T_NT	BS44 both T and NT supported . default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_44_ce	ce value used in BS44 MO call. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_45_T_NT	BS45 both T and NT supported . default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_45_ce	ce value used in BS45 MO call. default value : '01'B, non transparent	BITSTRING[2]	
TSPX_BS_46_T_NT	BS46 both T and NT supported . default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_46_ce	ce value used in BS46 MO call. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_61_S	synchronous data supported by BS 61 . default value : TRUE, synchronous mode	BOOLEAN	
TSPX_BS_61_S_more_ur	more than one user rate for synchronous data service supported by BS61. default value : FALSE, only ine user rate	BOOLEAN	
TSPX_BS_61_S_ur1	usrer rate value supported for synchronous data service of BS61. default value : '0100'B, 4.8 kbit/s	BITSTRING[4]	
TSPX_BS_61_S_ur2	another usrer rate value supported for synchronous data service of BS61. it shall be different from the previous one if the answer to TSPX_BS_61_S_more_ur is TRUE. default value : '0100'B, 4.8 kbit/s	BITSTRING[4]	
TSPX_BS_61_A	asynchronous data service supported by BS61 . default value : TRUE, asynchronous	BOOLEAN	
TSPX_BS_61_A_ur1	usrer rate value supported for asynchronous data service of BS61. default value : '0101'B, 9.6 kbit/s	BITSTRING[4]	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_61_A_ur1_T_NT	both T and NT supported for the rate TSPX_BS_61_A_ur1 of BS61. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_61_A_ur1_ce	if the answer to TSPX_BS_61_A_ur1_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent	BITSTRING[2]	
TSPX_BS_61_A_more_ur	more than one user rate for asynchronous data service supported by BS61. default value : FALSE, only one user rate	BOOLEAN	
TSPX_BS_61_A_ur2	another usrer rate value supported for asynchronous data service of BS61. it shall be different from the previous one if the answer to TSPX_BS_61_A_more_ur is TRUE. default value : '0101'B, 9.6 kbit/s	BITSTRING[4]	
TSPX_BS_61_A_ur2_T_NT	both T and NT supported for the rate TSPX_BS_61_A_ur2 of BS61. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_81_S	synchronous data supported by BS 81. default value : TRUE, synchronous mode	BOOLEAN	
TSPX_BS_81_S_more_ur	more than one user rate for synchronous data service supported by BS81. default value : FALSE, only one user rate	BOOLEAN	
TSPX_BS_81_S_ur1	usrer rate value supported for synchronous data service of BS81. default value : '0101'B, 9.6 kbit/s	BITSTRING[4]	
TSPX_BS_81_S_ur2	another usrer rate value supported for synchronous data service of BS81. it shall be different from the previous one if the answer to TSPX_BS_81_S_more_ur is TRUE. default value : '0101'B, 9.6 kbit/s	BITSTRING[4]	
TSPX_BS_81_A	asynchronous data service supported by BS81. default value : TRUE, asynchronous mode	BOOLEAN	
TSPX_BS_81_A_ur1	usrer rate value supported for asynchronous data service of BS81. default value : '0100'B, 4.8 kbit/s	BITSTRING[4]	

Item	Description	Type/Allowed values	Supported Value
TSPX_BS_81_A_ur1_T_NT	both T and NT supported for the rate TSPX_BS_81_A_ur1 of BS81. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_BS_81_A_ur1_ce	if the answer to TSPX_BS_81_A_ur1_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '01'B, non transparent	BITSTRING[2]	
TSPX_BS_81_A_more_ur	more than one user rate for asynchronous data service supported by BS81. default value : FALSE, only one user rate	BOOLEAN	
TSPX_BS_81_A_ur2	another usrer rate value supported for asynchronous data service of BS81. it shall be different from the previous one if the answer to TSPX_BS_81_A_more_ur is TRUE. default value : '0100'B, 4.8 kbit/s	BITSTRING[4]	
TSPX_BS_81_A_ur2_T_NT	both T and NT supported for the rate TSPX_BS_81_A_ur2 of BS81. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_TS_61_T_NT	both T and NT supported for TS61(fax). default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	
TSPX_TS_61_ce	if the answer to TSPX_TS_61_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '01'B, non transparent	BITSTRING[2]	
TSPX_TS_61_ur1	user rate for TS61(fax). default value : '0101'B, 9.6 kbit/s	BITSTRING[4]	
TSPX_TS_61_more_ur	more than one user rate supported for TS61. default value : FALSE, only one user rate	BOOLEAN	
TSPX_TS_61_ur2	another user rate for TS61, it shall be different from the previous one if the answer to TSPX_TS_61_more_ur is TRUE. default value : '0101'B, 9.6 kbit/s	BITSTRING[4]	
TSPX_TS_62_T_NT	both T and NT supported for TS62. default value : FALSE, not support both transparent and non transparent modes	BOOLEAN	

Item	Description	Type/Allowed values	Supported Value
TSPX_TS_62_ce	if the answer to TSPX_TS_62_T_NT is FALSE, the manufacturer must precise which mode is supported by the MS. default value : '00'B, transparent	BITSTRING[2]	
TSPX_TS_62_ur1	user rate for TS62. default value : '0100'B, 4.8 kbit/s	BITSTRING[4]	
TSPX_TS_62_more_ur	more than one user rate supported by TS62. default value : FALSE, only one user rate	BOOLEAN	
TSPX_TS_62_ur2	another user rate for TS62, it shall be different from the previous one if the answer to TSPX_TS_62_more_ur is TRUE. default value : '0100'B, 4.8 kbit/s	BITSTRING[4]	
TSPX_DTMF	call control capabilities: value '1'B means MS supports DTMF	BITSTRING[1]	
TSPX_modF	any non signalling full rate channel mode for TC_26_6_4_1	BITSTRING[8]	
TSPX_modH	any non signalling half channel mode for TC_26_6_4_1	BITSTRING[8]	
TSPX_anymod	channel mode for TC_62_10_2_4_2. Any supported value except signalling and Full rate speech. possible values are '00000011'B' 12k data, '00001011'B 6k data, '0010011'B 3.6k data	BITSTRING[8]	
TSPX_CKSNA	cipher key sequence number	BITSTRING[3]	
TSPX_CKSNB	cipher key sequence number	BITSTRING[3]	
TSPX_CKSNC	cipher key sequence number	BITSTRING[3]	
TSPX_CKSNDef	default cipher key sequence number	BITSTRING[3]	
TSPX_RfPwrCap	RF power capability	BITSTRING[3]	
TSPX_RevLevel	Revision level of classmark 1	BITSTRING[2]	
TSPX_CiphAlgA5_1	A5/1 algorithm: '1'B : available, '0'B: not available	BITSTRING[1]	
TSPX_CiphAlgA5_2	A5/2 algorithm: '1'B : available, '0'B: not available	BITSTRING[1]	
TSPX_CiphAlgA5_3	A5/3 algorithm: '1'B : available, '0'B: not available	BITSTRING[1]	
TSPX_CiphAlgA5_4	A5/4 algorithm: '1'B : available, '0'B: not available	BITSTRING[1]	
TSPX_CiphAlgA5_5	A5/5 algorithm: '1'B : available, '0'B: not available	BITSTRING[1]	
TSPX_CiphAlgA5_6	A5/6 algorithm: '1'B : available, '0'B: not available	BITSTRING[1]	

Item	Description	Type/Allowed values	Supported Value
TSPX_CiphAlgA5_7	A5/7 algorithm: '1'B : available, '0'B: not available	BITSTRING[1]	
TSPX_pSyncCap	pseudo synchronisation capability, '0'B: not present '1'B: present	BITSTRING[1]	
TSPX_SSscrnInd	SS screen indicator	BITSTRING[2]	
TSPX_SMCap	short message capability, '0'B: not present '1'B: present	BITSTRING[1]	
TSPX_frqCap	frequency capability. DCS: reserved, GSM: '0'B not support extension band, '1'B support extension band	BITSTRING[1]	
TSPX_ClsMk3	classmark 3 indicator, '0'B no addition capability info, '1'B additional capability info in class mark 3	BITSTRING[1]	
TSPX_RfPwrCapAmp	RF power capability with external RF amplifier	BITSTRING[3]	
TSPX_DTMFInd	DTMF indication to user supported	BOOLEAN	
TSPX_IMEI	IMEI of the MS.	HEXSTRING	
TSPX_IMEISV	IMEISV of the MS. Used in: TC_26_6_8_5, TC_26_7_3_1	HEXSTRING	
TSPX_TC1M	timer value for GSM timer TC1M (for SMS)	INTEGER	
TSPX_MaxCPDataRetx	max. number of CP data retransmissions for SMS	INTEGER	
TSPX_Telephony_Immconn	Immediate connect for telephony supported ?	BOOLEAN	
TSPX_Uupd	user-user protocol discriminator	BITSTRING[8]	
TSPX_UuInfo	user-user information	OCTETSTRING	

B.7.2 MMI information

How is the Accumulated Call Meter (ACM) on the SIM read ? NOTE: Used in Operation OO_ACMIncCHK and OO_ACMReading.
How is the ACM on the SIM reset to zero, and ACMmax set to 2 units? NOTE: Used in Operation OO_ACMSetting.

How is power amplification added to the mobile and removed? NOTE: Used in Operation OO_AddPwrAmp and OO_RemvPwrAmp.
What alerting indication is given by the mobile? NOTE: Used in Operation OO_AltIndCHK.
How is the called party number displayed on the mobile? NOTE: Used in Operation OO_CalledNumCHK and OO_CalledPtyNumCHK.
How is a call placed on Hold? NOTE: Used in Operation OO_CallHold.
How is the presence of short messages checked in the mobile and how are they displayed? NOTE: Used in Operation OO_CheckAllSMPresentBut4th and OO_CheckMessageDisplayed and OO_DisplaySMAndSendReplySM and OO_ReadSMAndRemove and OO_RecallAndDisplaySM.
How is the presence of Cell Broadcast short messages in the mobile checked? NOTE: Used in Operation OO_CheckCBSMReceived.
How is it checked whether the memory capacity of the SIM has been exceeded? NOTE: Used in Operation OO_CheckMCEFOnSIM and OO_CheckMCEFOnSIMUnset.
How and where is the SIM inserted and removed? NOTE: Used in Operation OO_ConnectSIMSimulator and OO_SIMIns and OO_SIM2Ins and OO_SIM3Ins and OO_SIMRmv.

Does the MS have an 'END' key? If not, what method is used to replace its function?

NOTE: Used in Operation OO_DepressEndKey.

How is a number entered in order to make an outgoing call?

NOTE: Used in Operation OO_DiallCalledNum.

How is a reply to a received short message sent?

NOTE: Used in Operation OO_DisplaySMAndSendReplySM.

How is it checked which DTMF character has been sent?

NOTE: Used in Operation OO_DTMFIndCHK.

How is the message store of the MS emptied?

NOTE: Used in OO_EmptyMessageStorage.

How is a password on the MS entered?

NOTE: Used in Operation OO_EnterPswd.

How is an incoming call answered?

NOTE: Used in Operation OO_HookOff.

For each service on the MS which requires the MS to be connected to an interface on other equipment (e.g. a computer), how is that interface set up for the purpose?

NOTE: Used in Operation OO_IFsetup.

How is an In-Call modification initiated on the MS?

NOTE: Used in Operation OO_InCallMod.

For each mobile originating basic service supported by the MS, how is the MS configured to make an outgoing call on that service?

NOTE: Used in Operation OO_InitCall.

How is the MS to configured accept standard MMI sequences for the initiation of supplementary services?

NOTE: Used in Operation OO_InitSS

How is the MS checked whether it is in the normal service state (idle, updated).

NOTE: Used in Operation OO_InServiceCHK and OO_PressKeyWhenInService.

How is a Multi-Party call initiated on the MS.

NOTE: Used in Operation OO_MptyCall

How is the MS configured to store received Class 1 short messages in the mobile equipment (rather than in the SIM)?

NOTE: Used in Operation OO_MSSetupStoreClass1SMInMEMemory.

How is the list of available PLMNs checked?

NOTE: Used in Operation OO_PLMNsCHK.

How is the PLMN selection mode switched to automatic selection.

NOTE: Used in operation OO_PLMNselModeAuto.

How is the PLMN selection mode switched to manual selection.

NOTE: Used in operation OO_PLMNselModeMan.

How is the power source for the MS removed and replaced. (Note, this is not the same as switching the Mobile on and off using the on/off switch.)

NOTE: Used in operation OO_PowerUp and OO_PowerDown.

How is a short message removed from the message store?

NOTE: Used in operation OO_ReadSMAndRemove.

When in manual PLMN selection mode, how is a PLMN selected?

NOTE: Used in OperationOO_SelPLMN

How is a short message sent from the MS?

NOTE: Used in operation OO_SendMOShortMessage.

How is an SMS COMMAND message sent to delete the last short message sent?

NOTE: Used in OO_SendSMSCOMMANDDe.

How is an SMS COMMAND message sent enquiring about the last short message sent?

NOTE: Used in OO_SendSMS_COMMANDEnq

How is Call Refusal set on the MS?

NOTE: Used in Operation OO_SetRefuseCall.

How is a DTMF digit sent?   NOTE: Used in operation OO_ShortKeyDepr.
How is it checked whether a supplementary service result is correct?   NOTE: Used in Operation OO_SSresultCHK
How is the MS switched on and off?   NOTE: Used in operation OO_SwitchOn and OO_SwitchOff.
How is a call cleared?   NOTE: Used in operation OO_TermCall.

B.7.3 Test house specified parameters

Item	Description	Type/Allowed values	Value chosen
TSPX_AltNb	use alternative neighbour cells description. default : FALSE	BOOLEAN	
TSPX_CphAlgA	any supported ciphering algorithm	OCTETSTRING [1]	
TSPX_CphAlgB	ciphering algorithm supported	OCTETSTRING [1]	
TSPX_CphAlgC	ciphering algorithm supported	OCTETSTRING [1]	
TSPX_CphAlgD	ciphering algorithm supported	OCTETSTRING [1]	
TSPX_CphAlgE	ciphering algorithm supported	OCTETSTRING [1]	
TSPX_CphAlgDef	default ciphering algorithm	OCTETSTRING [1]	
TSPX_NoOfHoAccA	number of handover access bursts, value range 10 - 20	INTEGER	
TSPX_NoOfHoAccB	number of handover access bursts, value range 10 - 20	INTEGER	
TSPX_NoOfHoAccC	number of handover access bursts, value range 10 - 20	INTEGER	
TSPX_NoOfHoAccD	number of handover access bursts, value range 5 - 10	INTEGER	
TSPX_NoOfHoAccE	number of handover access bursts, value range 5 - 10	INTEGER	

Item	Description	Type/Allowed values	Value chosen
TSPX_NoOfHoAccF	number of handover access bursts, value range 5 - 10	INTEGER	
TSPX_NoOfHoAccG	number of handover access bursts, value range 2 - 5	INTEGER	
TSPX_NoOfHoAccH	number of handover access bursts, value range 2 - 5	INTEGER	
TSPX_NoOfHoAccI	number of handover access bursts, value range 2 - 5	INTEGER	
TSPX_HoRefA	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefB	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefC	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefD	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefE	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefF	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefG	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefH	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefI	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HoRefJ	Hand over reference, GSM 04.08, 10.5.2.15	BITSTRING [8]	
TSPX_HSN	Hopping sequence number value range: 0 - 63	INTEGER	
TSPX_IMSI	IMSI of the MS	HEXSTRING	
TSPX_Ki	default authentication key used in testing	BITSTRING	
TSPX_MAIO	mobile allocation index offset, value range: 0 - 63	INTEGER	
TSPX_MaxRetrans	Max-Retrans	INTEGER	
TSPX_MSTxpwrMax	maximum output power from MS	0..31	
TSPX_PwrlvlA	power level, value between 2 to 15	INTEGER	
TSPX_PwrlvlB	power level, value between 2 to 15	INTEGER	
TSPX_PwrlvlC	power level, value between 2 to 15	INTEGER	
TSPX_PwrlvlD	power level, value between 2 to 15	INTEGER	
TSPX_RANDA	challenge RAND	BITSTRING [128]	
TSPX_RANDB	challenge RAND	BITSTRING [128]	
TSPX_RANDC	challenge RAND	BITSTRING [128]	
TSPX_RANDDef	default challenge RAND	BITSTRING [128]	

Item	Description	Type/Allowed values	Value chosen
TSPX_SDCCH4SubA	TDMA offset of SDCCH/4 subchannel	BITSTRING[2]	
TSPX_SDCCH4SubB	TDMA offset of SDCCH/4 subchannel	BITSTRING[2]	
TSPX_SDCCH4SubC	TDMA offset of SDCCH/4 subchannel	BITSTRING[2]	
TSPX_SDCCH4SubDef	TDMA offset of default SDCCH/4 subchannel	BITSTRING[2]	
TSPX_SDCCH8SubA	TDMA offset of SDCCH/8 subchannel	BITSTRING[3]	
TSPX_SDCCH8SubB	TDMA offset of SDCCH/8 subchannel	BITSTRING[3]	
TSPX_SDCCH8SubC	TDMA offset of SDCCH/8 subchannel	BITSTRING[3]	
TSPX_SDCCH8SubD	TDMA offset of SDCCH/8 subchannel	BITSTRING[3]	
TSPX_SDCCH8SubE	TDMA offset of SDCCH/8 subchannel	BITSTRING[3]	
TSPX_SDCCH8SubF	TDMA offset of SDCCH/8 subchannel	BITSTRING[3]	
TSPX_SDCCH8SubG	TDMA offset of SDCCH/8 subchannel	BITSTRING[3]	
TSPX_SDCCH8SubDef	TDMA offset of default SDCCH/8 subchannel	BITSTRING[3]	
TSPX_TimadvA	timing advance	INTEGER	
TSPX_TimadvB	timing advance	INTEGER	
TSPX_TimadvC	timing advance	INTEGER	
TSPX_TmSltA	time slot	BITSTRING [3]	
TSPX_TmSltB	time slot	BITSTRING [3]	
TSPX_TmSltC	time slot	BITSTRING [3]	
TSPX_TmSltD	time slot	BITSTRING [3]	
TSPX_TmSltE	time slot	BITSTRING [3]	
TSPX_TmSltF	time slot	BITSTRING [3]	
TSPX_TmSltG	time slot	BITSTRING [3]	
TSPX_TmSltDef	default time slot	BITSTRING [3]	
TSPX_TmSltNotZero	time slot, arbitrarily value, but not zero.	BITSTRING [3]	
TSPX_TmSltNotZero1	time slot, arbitrarily value, but not zero and not TSPX_TmSltNotZero	BITSTRING [3]	
TSPX_Txint	Tx-Integer	INTEGER	
TSPX_TscA	training sequence code	BITSTRING [3]	
TSPX_TscB	training sequence code	BITSTRING [3]	

Item	Description	Type/Allowed values	Value chosen
TSPX_TscC	training sequence code	BITSTRING [3]	
TSPX_TscD	training sequence code	BITSTRING [3]	
TSPX_TscE	training sequence code	BITSTRING [3]	
TSPX_TscF	training sequence code	BITSTRING [3]	
TSPX_TscG	training sequence code	BITSTRING [3]	
TSPX_TscDef	default TSC	BITSTRING [3]	
TSPX_T3122	value of timer T3122, HEXSTRING[2]	HEXSTRING [2]	
TSPX_TCHcarrierA_ho	the value can be choosen arbitrarily from cell allocation of cell A (GSM), but not BCCH carrier .possible value is : 10, 17, 26, 34, 42, 45, 46, 52, 59, 66, 73, 74, 75, 76, 108, 114	INTEGER	
TSPX_TCHcarrierA_hod	the value can be choosen arbitrarily from cell allocation of cell A (DCS), but not BCCH carrier . possible value is : 734,741,754,759,762,766,767, 773,775,779,782,791,798,829, 832,844	INTEGER	
TSPX_TCHcarrierB	TCH and SDCCH channel frequency number of cell B (GSM)	INTEGER	
TSPX_TCHcarrierBd	TCH and SDCCH channel frequency number of cell B (DCS)	INTEGER	
TSPX_TCHcarrierB_ho	the value can be choosen arbitrarily from cell allocation of cell B (GSM), but not BCCH carrier . possibles value is : 14,18,22,24,30,31,38,60,66,73 ,74,75,76,108,114	INTEGER	
TSPX_TCHcarrierB_hod	not BCCH carrier of cell B. the value can be choosen arbitrarily from cell allocation of cell B (DCS), which is (739,743,746,749,756,758,761 ,771,779,782,791,798,829,832 ,844)	INTEGER	
TSPX_TCHcarrierB2_ho	Choosen arbitrarly from cell allocation B for GSM HO cases, but not BCCH carrier!	INTEGER	
TSPX_TCHcarrierB2_hod	Choosen arbitrarly from cell allocation B for DCS HO cases, but not BCCH carrier!	INTEGER	
TSPX_TCHHSubA	TDMA offset of half rate subchannel	BITSTRING[1]	
TSPX_TCHHSubDef	TDMA offset of default half rate subchannel	BITSTRING[1]	
TSPX_TMSI	TMSI of the MS used in test	OCTETSTRING[4]	

Item	Description	Type/Allowed values	Value chosen
TSPX_TMSI1	another TMSI used in test which shall differ from TSPX_TMSI, TSPX_TMSI + '01'O TSPX_TMSI + '02'O TSPX_TMSI + '03'O	OCTETSTRING[4]	
TSPX_k	timing of cell A before cell B k bit periods for TC_26_6_5_4, TC_26_6_5_3.	INTEGER	
TSPX_y	timing advance for TC_26_6_5_4, TC_26_6_5_3. the values of TSPX_k and TSPX_y shall be 0 < (2*TSPX_k + TSPX_y) MOD 256 < 60.	INTEGER	
TSPX_k1	timing of cell A before cell B k bit periods for TC_26_6_5_5	INTEGER	
TSPX_k2	timing of cell A before cell B k bit periods for TC_26_6_5_6	INTEGER	
TSPX_y2	timing advance for TC_26_6_5_6, value range : 11 - 62.	INTEGER	
TSPX_k3	timing of cell A before cell B k bit periods for TC_26_6_5_7	INTEGER	
TSPX_y3	timing advance for TC_26_6_5_7	INTEGER	
TSPX_nPara	the n'th ChReq for TC_26_6_1_2, shall be choose to [1..8], MAXRETRANS for TC_26_6_1_2 is 7 (See 11.10 for more explaination).	INTEGER	
TSPX_kPara	the k'th ChReq for TC_26_6_1_2	INTEGER	
TSPX_rPara	the r'th ChReq for TC_26_6_1_2	INTEGER	
TSPX_i1Para	for TC_26_1_2	INTEGER	
TSPX_i2Para	for TC_26_1_2	INTEGER	
TSPX_i3Para	the r'th ChReq for TC_26_6_1_2	INTEGER	
TSPX_n1Para	the n'th ChReq for TC_26_6_1_3	INTEGER	
TSPX_i4Para	for TC_26_6_1_3	INTEGER	
TSPX_xPara	t3122 for TC_26_6_1_3	INTEGER	
TSPX_AGBLKS1	BS-AG-BLKS-RES for TC_26_6_2_3_1, TC_26_6_2_1_1	INTEGER	
TSPX_PAMFRMS1	BS-PA-MFRMS for TC_26_6_2_3_1 (shall not be set to 9), TC_26_6_2_1_1	INTEGER	
TSPX_CcchConf1	paging subchannel for TC_26_6_2_3_1, TC_26_6_2_1_1	BITSTRING[3]	

Item	Description	Type/Allowed values	Value chosen
TSPX_PgSubch	paging subchannel for TC_26_6_2_3_1	INTEGER	
TSPX_AGBLKS2	BS-AG-BLKS-RES for TC_26_6_2_3_2, TC_26_6_2_1_2	INTEGER	
TSPX_PAMFRMS2	BS-PA-MFRMS for TC_26_6_2_3_2, TC_26_6_2_1_2	INTEGER	
TSPX_CcchConf2	paging subchannel for TC_26_6_2_3_2, TC_26_6_2_1_2	BITSTRING[3]	
TSPX_AGBLKS3	BS-AG-BLKS-RES for TC_26_6_2_4, TC_26_6_2_2, TC_26_6_2_1_3	INTEGER	
TSPX_PAMFRMS3	BS-PA-MFRMS for TC_26_6_2_4, TC_26_6_2_2, TC_26_6_2_1_3	INTEGER	
TSPX_CcchConf3	paging subchannel for TC_26_6_2_4, TC_26_6_2_2, TC_26_6_2_1_3	BITSTRING[3]	
TSPX_AGBLKS4	BS-AG-BLKS-RES for TC_26_6_2_5	INTEGER	
TSPX_PAMFRMS4	BS-PA-MFRMS for TC_26_6_2_5	INTEGER	
TSPX_CcchConf4	paging subchannel for TC_26_6_2_5 (shall be in the set ('010', '100', '110'))	BITSTRING[3]	
TSPX_Chtp1	channel type for TC_26_6_13_1, any value supported by the MS	BITSTRING[5]	
TSPX_ChMod1	channel mode for TC_26_6_13_1, any value for the channel type of TSPX_Chtp1	BITSTRING[8]	
TSPX_Tm1	a value to calculate the starting time for TC_26_6_13_1, value between 60 -100	INTEGER	
TSPX_Maio1	hopping parameter for TC_26_6_13_1, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma1, default : 2	INTEGER	
TSPX_Ma1	mobile allocation for TC_26_6_13_1, its value shall indicate number of frequencies between 1 and 17. default : '010101'O	OCTETSTRING[3]	
TSPX_Hsn1	hopping parameter for TC_26_6_13_1. default: 1	INTEGER	
TSPX_Maio2	hopping parameter for TC_26_6_13_1, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma2, default : 8	INTEGER	

Item	Description	Type/Allowed values	Value chosen
TSPX_Ma2	mobile allocation for TC_26_6_13_1, its value shall indicate number of frequencies between 1 and 17. default :'01362A5'O	OCTETSTRING[3]	
TSPX_Hsn2	hopping parameter for TC_26_6_13_1, default : 6	INTEGER	
TSPX_Maio3	hopping parameter for TC_26_6_13_1, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma3, default : 14	INTEGER	
TSPX_Ma3	mobile allocation for TC_26_6_13_1, its value shall indicate number of frequencies between 1 and 17. default :'01FFFA'O	OCTETSTRING[3]	
TSPX_Hsn3	hopping parameter for TC_26_6_13_1, default : 0	INTEGER	
TSPX_Chtp2	channel type for TC_26_6_13_2, any value supported by the MS	BITSTRING[5]	
TSPX_ChMod2	channel mode for TC_26_6_13_2	BITSTRING[8]	
TSPX_Maio4	hopping parameter for TC_26_6_13_2, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma4, default : 3	INTEGER	
TSPX_Ma4	mobile allocation for TC_26_6_13_2, its value shall indicate number of frequencies between 1 and 17. default : '001141'O	OCTETSTRING[3]	
TSPX_Hsn4	hopping parameter for TC_26_6_13_2, default : 0	INTEGER	
TSPX_Maio5	hopping parameter for TC_26_6_13_2, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma5, default : 9	INTEGER	
TSPX_Ma5	mobile allocation for TC_26_6_13_2, its value shall indicate number of frequencies between 1 and 17. default : '01ABCB'O	OCTETSTRING[3]	
TSPX_Hsn5	hopping parameter for TC_26_6_13_2, default : 16	INTEGER	
TSPX_Chtp3	channel type for TC_26_6_13_3, any value supported by the MS	BITSTRING[5]	
TSPX_Maio6	hopping parameter for TC_26_6_13_3, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma6, default : 4	INTEGER	

Item	Description	Type/Allowed values	Value chosen
TSPX_Ma6	mobile allocation for TC_26_6_13_3, its value shall indicate number of frequencies between 1 and 17. default :'006248'O	OCTETSTRING[3]	
TSPX_Hsn6	hopping parameter for TC_26_6_13_3, default : 4	INTEGER	
TSPX_Maio7	hopping parameter for TC_26_6_13_3, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma7, default : 10	INTEGER	
TSPX_Ma7	mobile allocation for TC_26_6_13_3, its value shall indicate number of frequencies between 2 and 17. default : '009AFB'O	OCTETSTRING[3]	
TSPX_Chtp4	channel type for TC_26_6_13_3, any value supported by the MS	BITSTRING[5]	
TSPX_Maio8	hopping parameter for TC_26_6_13_3, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma8, default : 1	INTEGER	
TSPX_Ma8	mobile allocation for TC_26_6_13_3, its value shall indicate number of frequencies between 2 and 17. default : '002800'O	OCTETSTRING[3]	
TSPX_Hsn8	hopping parameter for TC_26_6_13_3, default : 40	INTEGER	
TSPX_Maio9	hopping parameter for TC_26_6_13_3, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma9, default : 15	INTEGER	
TSPX_Ma9	mobile allocation for TC_26_6_13_3, its value shall indicate number of frequencies between 2 and 17. default : '01FFFB'O	OCTETSTRING[3]	
TSPX_Hsn9	hopping parameter for TC_26_6_13_3, default : 8	INTEGER	
TSPX_Chtp5	channel type for TC_26_6_13_4	BITSTRING[5]	
TSPX_Maio10	hopping parameter for TC_26_6_13_4, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma10, default : 5	INTEGER	
TSPX_Ma10	mobile allocation for TC_26_6_13_4, its value shall indicate number of frequencies between 1 and 17. default : '01D082'O	OCTETSTRING[3]	

Item	Description	Type/Allowed values	Value chosen
TSPX_Hsn10	hopping parameter for TC_26_6_13_4, default: 0	INTEGER	
TSPX_Maio11	hopping parameter for TC_26_6_13_4, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma11, default : 11	INTEGER	
TSPX_Ma11	mobile allocation for TC_26_6_13_4, its value shall indicate number of frequencies between 2 and 17. default : '00CFF3'O	OCTETSTRING[3]	
TSPX_Chtp6	channel type for TC_26_6_13_4	BITSTRING[5]	
TSPX_Maio12	hopping parameter for TC_26_6_13_4, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma12, default : 1	INTEGER	
TSPX_Ma12	mobile allocation for TC_26_6_13_4, its value shall indicate number of frequencies between 1 and 17. default : '010100'O	OCTETSTRING[3]	
TSPX_Hsn12	hopping parameter for TC_26_6_13_4, default : 39	INTEGER	
TSPX_Maio13	hopping parameter for TC_26_6_13_4, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma13, default : 6	INTEGER	
TSPX_Ma13	mobile allocation for TC_26_6_13_4, its value shall indicate number of frequencies between 1 and 17. default : '00E690'O	OCTETSTRING[3]	
TSPX_Hsn13	hopping parameter for TC_26_6_13_4, default: 42	INTEGER	
TSPX_Chtp7	channel type for TC_26_6_13_5	BITSTRING[5]	
TSPX_ChMod4	channel mode for TC_26_6_13_5	BITSTRING[8]	
TSPX_Tm2	a value to calculate the starting time for TC_26_6_13_5, value between 60 -100	INTEGER	
TSPX_Maio14	hopping parameter for TC_26_6_13_5, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma14, default : 5	INTEGER	
TSPX_Ma14	mobile allocation for TC_26_6_13_5, its value shall indicate number of frequencies between 1 and 17. default : '014A28'O	OCTETSTRING[3]	

Item	Description	Type/Allowed values	Value chosen
TSPX_Hsn14	hopping parameter for TC_26_6_13_5, default : 50	INTEGER	
TSPX_Maio15	hopping parameter for TC_26_6_13_5, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma15, default : 12	INTEGER	
TSPX_Ma15	mobile allocation for TC_26_6_13_5, its value shall indicate number of frequencies between 1 and 16. default : '00FF79'O	OCTETSTRING[3]	
TSPX_Hsn15	hopping parameter for TC_26_6_13_5, default : 33	INTEGER	
TSPX_Maio16	hopping parameter for TC_26_6_13_5, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma16, default : 2	INTEGER	
TSPX_Ma16	mobile allocation for TC_26_6_13_5, its value shall indicate number of frequencies between 1 and 16. default : '001110'O	OCTETSTRING[3]	
TSPX_Hsn16	hopping parameter for TC_26_6_13_5, default : 21	INTEGER	
TSPX_Chtp8	channel type for TC_26_6_13_6	BITSTRING[5]	
TSPX_ChMod5	channel mode for TC_26_6_13_6	BITSTRING[8]	
TSPX_Maio17	hopping parameter for TC_26_6_13_6, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma17, default : 7	INTEGER	
TSPX_Ma17	mobile allocation for TC_26_6_13_6, its value shall indicate number of frequencies between 1 and 17. default : '00E6A1'O	OCTETSTRING[3]	
TSPX_Hsn17	hopping parameter for TC_26_6_13_6, default : 22	INTEGER	
TSPX_Maio18	hopping parameter for TC_26_6_13_6, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma18, default : 13	INTEGER	
TSPX_Ma18	mobile allocation for TC_26_6_13_6, its value shall indicate number of frequencies between 1 and 16. default : '00FFF9'O	OCTETSTRING[3]	
TSPX_Hsn18	hopping parameter for TC_26_6_13_6, default : 9	INTEGER	

Item	Description	Type/Allowed values	Value chosen
TSPX_Maio19	hopping parameter for TC_26_6_13_6, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma19, default : 3	INTEGER	
TSPX_Ma19	mobile allocation for TC_26_6_13_6, its value shall indicate number of frequencies between 1 and 16. default : '001111'O	OCTETSTRING[3]	
TSPX_Hsn19	hopping parameter for TC_26_6_13_6, default : 44	INTEGER	
TSPX_Chtp9	channel type for TC_26_6_13_7	BITSTRING[5]	
TSPX_ChMod6	channel mode for TC_26_6_13_7	BITSTRING[8]	
TSPX_Maio20	hopping parameter for TC_26_6_13_7, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma20, default : 8	INTEGER	
TSPX_Ma20	mobile allocation for TC_26_6_13_7, its value shall indicate number of frequencies between 1 and 17. default : '016699'O	OCTETSTRING[3]	
TSPX_Hsn20	hopping parameter for TC_26_6_13_7, default : 30	INTEGER	
TSPX_Maio21	hopping parameter for TC_26_6_13_7, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma21, default : 14	INTEGER	
TSPX_Ma21	mobile allocation for TC_26_6_13_7, its value shall indicate number of frequencies between 1 and 17. default : '01FEFB'O	OCTETSTRING[3]	
TSPX_Chtp10	channel type for TC_26_6_13_7	BITSTRING[5]	
TSPX_Maio22	hopping parameter for TC_26_6_13_7, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma22, default : 4	INTEGER	
TSPX_Ma22	mobile allocation for TC_26_6_13_7, its value shall indicate number of frequencies between 1 and 16. default : '006241'O	OCTETSTRING[3]	
TSPX_Hsn22	hopping parameter for TC_26_6_13_7, default : 11	INTEGER	

Item	Description	Type/Allowed values	Value chosen
TSPX_Maio23	hopping parameter for TC_26_6_13_7, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma23, default : 11	INTEGER	
TSPX_Ma23	mobile allocation for TC_26_6_13_7, its value shall indicate number of frequencies between 1 and 16. default : '00FF1B'O	OCTETSTRING[3]	
TSPX_Hsn23	hopping parameter for TC_26_6_13_7, default : 60	INTEGER	
TSPX_Chtp11	channel type for TC_26_6_13_8	BITSTRING[5]	
TSPX_ChMod7	channel mode for TC_26_6_13_8	BITSTRING[8]	
TSPX_Maio24	hopping parameter for TC_26_6_13_8, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma24, default : 9	INTEGER	
TSPX_Ma24	mobile allocation for TC_26_6_13_8, its value shall indicate number of frequencies between 1 and 17. default : '00E6E9'O	OCTETSTRING[3]	
TSPX_Hsn24	hopping parameter for TC_26_6_13_8, default : 7	INTEGER	
TSPX_Maio25	hopping parameter for TC_26_6_13_8, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma25, default : 15	INTEGER	
TSPX_Ma25	mobile allocation for TC_26_6_13_8, its value shall indicate number of frequencies between 1 and 17. default : '01FFFB'O	OCTETSTRING[3]	
TSPX_Chtp12	channel type for TC_26_6_13_8	BITSTRING[5]	
TSPX_Maio26	hopping parameter for TC_26_6_13_8, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma26, default : 5	INTEGER	
TSPX_Ma26	mobile allocation for TC_26_6_13_8, its value shall indicate number of frequencies between 1 and 16. default : '009168'O	OCTETSTRING[3]	
TSPX_Hsn26	hopping parameter for TC_26_6_13_8, default : 9	INTEGER	

Item	Description	Type/Allowed values	Value chosen
TSPX_Maio27	hopping parameter for TC_26_6_13_8, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma27, default : 1	INTEGER	
TSPX_Ma27	mobile allocation for TC_26_6_13_8, its value shall indicate number of frequencies between 1 and 16. default : '004080'O	OCTETSTRING[3]	
TSPX_Hsn27	hopping parameter for TC_26_6_13_8, default : 38	INTEGER	
TSPX_Chtp13	channel type for TC_26_6_13_9	BITSTRING[5]	
TSPX_Tm3	channel mode for TC_26_6_13_9, value between 60 -100	INTEGER	
TSPX_Maio28	hopping parameter for TC_26_6_13_9, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma28, default : 10	INTEGER	
TSPX_Ma28	mobile allocation for TC_26_6_13_9, its value shall indicate number of frequencies between 1 and 17. default : '00EE7A'O	OCTETSTRING[3]	
TSPX_Hsn28	hopping parameter for TC_26_6_13_9, default : 11	INTEGER	
TSPX_Maio29	hopping parameter for TC_26_6_13_9, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma29, default : 6	INTEGER	
TSPX_Ma29	mobile allocation for TC_26_6_13_9, its value shall indicate number of frequencies between 1 and 17. default : '00F070'O	OCTETSTRING[3]	
TSPX_Chtp14	channel type for TC_26_6_13_10	BITSTRING[5]	
TSPX_Maio30	hopping parameter for TC_26_6_13_10, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma30, default : 11	INTEGER	
TSPX_Ma30	mobile allocation for TC_26_6_13_10, its value shall indicate number of frequencies between 1 and 17. default : '017F69'O	OCTETSTRING[3]	
TSPX_Hsn30	hopping parameter for TC_26_6_13_10, default : 62	INTEGER	

Item	Description	Type/Allowed values	Value chosen
TSPX_Maio31	hopping parameter for TC_26_6_13_10, its value between 0 and (the number of frequencies) -1, which is defined in TSPX_Ma31, default : 1	INTEGER	
TSPX_Ma31	mobile allocation for TC_26_6_13_10, its value shall indicate number of frequencies between 1 and 17. default : '000101'O	OCTETSTRING[3]	
TSPX_MOBscSvcA	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MOBscSvcB	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MOBscSvcC	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MOBscSvcD	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MOBscSvcE	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MOBscSvcF	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MOBscSvcG	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MOBscSvcH	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MOBscSvcI	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MOBscSvcJ	any supported MO basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MT_DualModSvc	any supported MT dual mode service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MT_NonSptSvc	any not supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTBscSvcA	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTBscSvcB	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTBscSvcC	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTBscSvcD	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTBscSvcE	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTBscSvcF	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTBscSvcG	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTBscSvcH	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTBscSvcI	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTBscSvcJ	any supported MT basic service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTNIC_BscSvcA	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTNIC_BscSvcB	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTNIC_BscSvcC	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTNIC_BscSvcD	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTNIC_BscSvcE	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTNIC_BscSvcF	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTNIC_BscSvcG	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTNIC_BscSvcH	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTNIC_BscSvcI	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MTNIC_BscSvcJ	any supported MT basic service without immediate connection	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_Telephony_Rate	channel rate for TS11, default value : C_Full	"F", "H"	
TSPX_MOChRateA	channel rate for TSPX_MOBscSvcA, default value : C_Full	"F", "H"	
TSPX_MOChRateB	channel rate for TSPX_MOBscSvcB, default value : C_Full	"F", "H"	
TSPX_MOChRateC	channel rate for TSPX_MOBscSvcC, default value : C_Full	"F", "H"	
TSPX_MOChRateD	channel rate for TSPX_MOBscSvcD, default value : C_Full	"F", "H"	
TSPX_MOChRateE	channel rate for TSPX_MOBscSvcE, default value : C_Full	"F", "H"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MOChRateF	channel rate for TSPX_MOBscSvcF, default value : C_Full	"F", "H"	
TSPX_MOChRateG	channel rate for TSPX_MOBscSvcG, default value : C_Full	"F", "H"	
TSPX_MOChRateH	channel rate for TSPX_MOBscSvcH, default value : C_Full	"F", "H"	
TSPX_MOChRateI	channel rate for TSPX_MOBscSvcI, default value : C_Full	"F", "H"	
TSPX_MOChRateJ	channel rate for TSPX_MOBscSvcJ, default value : C_Full	"F", "H"	
TSPX_MTChRateA	channel rate for TSPX_MTBscSvcA, default value : C_Full	"F", "H"	
TSPX_MTChRateB	channel rate for TSPX_MTBscSvcB, default value : C_Full	"F", "H"	
TSPX_MTChRateC	channel rate for TSPX_MTBscSvcC, default value : C_Full	"F", "H"	
TSPX_MTChRateD	channel rate for TSPX_MTBscSvcD, default value : C_Full	"F", "H"	
TSPX_MTChRateE	channel rate for TSPX_MTBscSvcE, default value : C_Full	"F", "H"	
TSPX_MTChRateF	channel rate for TSPX_MTBscSvcF, default value : C_Full	"F", "H"	
TSPX_MTChRateG	channel rate for TSPX_MTBscSvcG, default value : C_Full	"F", "H"	
TSPX_MTChRateH	channel rate for TSPX_MTBscSvcH, default value : C_Full	"F", "H"	
TSPX_MTChRateI	channel rate for TSPX_MTBscSvcI, default value : C_Full	"F", "H"	
TSPX_MTChRateJ	channel rate for TSPX_MTBscSvcJ, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateA	channel rate for TSPX_MTNIC_BscSvcA, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateB	channel rate for TSPX_MTNIC_BscSvcB, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateC	channel rate for TSPX_MTNIC_BscSvcC, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateD	channel rate for TSPX_MTNIC_BscSvcD, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateE	channel rate for TSPX_MTNIC_BscSvcE, default value : C_Full	"F", "H"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MTNIC_ChRateF	channel rate for TSPX_MTNIC_BscSvcF, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateG	channel rate for TSPX_MTNIC_BscSvcG, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateH	channel rate for TSPX_MTNIC_BscSvcH, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateI	channel rate for TSPX_MTNIC_BscSvcI, default value : C_Full	"F", "H"	
TSPX_MTNIC_ChRateJ	channel rate for TSPX_MTNIC_BscSvcJ, default value : C_Full	"F", "H"	
TSPX_EmgCallRate	Rate for the basic service supported for MO emergency calls	"F", "H"	
TSPX_MO_NonCallSS	any supported MO non-call releated supplementary service	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	

Item	Description	Type/Allowed values	Value chosen
TSPX_MO_BscSvc_SMS	any supported MO SMS calls	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MO_DualModSvc	any supported MO dual mode call	"C_Telephony", "C_EmgCallSRV", "C_AltSpchG3", "C_AutoG3", "C_300cda", "C_1200cda", "C_120075cda", "C_2400cda", "C_4800cda", "C_2400cds", "C_4800cds", "C_PAD300", "C_PAD1200", "C_PAD120075", "C_PAD2400", "C_PAD4800", "C_PAD9600", "C_Pkt2400", "C_Pkt4800", "C_Pkt9600", "C_AltSpchData", "C_SpchData"	
TSPX_MO_DualModRate	Rate for the supported MO dual mode call in TSPX_MO_DualModSvc	"F", "H"	

Annex C (normative): PCTR Proforma

Notwithstanding the provisions of the copyright clause related to the text of this ETS, ETSI grants that users of this ETS may freely reproduce the PCTR proforma in this annex so that it can be used for its intended purposes and may further publish the completed PCTR.

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 :	

This Test Report shall not be reproduced except in full without the written permission of TEST LAB REFERENCE, and shall not be quoted out of context.

Annex D (normative):   Enhanced Full Rate Abstract Test Suite

This ATS has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3 [3].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the contents table. The ATS itself contains a test suite overview part which provides additional information and references.

D.1   The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS for Layer 3 is contained in an Adobe Portable Document Format™ file (ef-4o0.PDF, contained in archive 6073_ea.ZIP) (EFR) which accompanies this ETS (Part 3).

D.2   The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS for Layer 3 is contained in an ASCII file (ef-4o0.mp, contained in archive 6073_ea.ZIP) (EFR) which accompanies this ETS (Part 3).

NOTE: According to ISO/IEC 9646-3 [3], in case of a conflict in interpretation of the operational semantics of TTCN.GR and TTCN.MP, the operational semantics of the TTCN.GR representation takes precedence.

Annex E (informative): Cell Selection Abstract Test Suite

This ATS has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3 [3].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the contents table. The ATS itself contains a test suite overview part which provides additional information and references.

E.1 The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS for Layer 3 is contained in an Adobe Portable Document Format™ file (cs-4o0.PDF, contained in archive 6073_ea.ZIP) (Cell Selection) which accompanies this ETS (Part 3).

E.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS for Layer 3 is contained in an ASCII file (cs-4o0.mp, contained in archive 6073_ea.ZIP) (Cell Selection) which accompanies this ETS (Part 3).

NOTE: According to ISO/IEC 9646-3 [3], in case of a conflict in interpretation of the operational semantics of TTCN.GR and TTCN.MP, the operational semantics of the TTCN.GR representation takes precedence.

Annex F (informative):   Dual band Abstract Test Suite

This ATS has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3 [3].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the contents table. The ATS itself contains a test suite overview part which provides additional information and references.

F.1   The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS for Layer 3 is contained in an Adobe Portable Document Format™ file (db-4o0.PDF, contained in archive 6073_ea.ZIP) (Dual Band) which accompanies this ETS (Part 3).

F.2   The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS for Layer 3 is contained in an ASCII file (db-4o0.mp, contained in archive 6073_ea.ZIP) (Dual Band) which accompanies this ETS (Part 3).

NOTE: According to ISO/IEC 9646-3 [3], in case of a conflict in interpretation of the operational semantics of TTCN.GR and TTCN.MP, the operational semantics of the TTCN.GR representation takes precedence.

History

Document history	
September 1996	First Edition
January 1997	Second Edition
May 1997	Third Edition
September 1997	Fourth Edition
January 1997	Fifth Edition
April 1998	Sixth Edition
August 1998	One-step Approval Procedure (Ninth Edition) OAP 9850: 1998-08-14 to 1998-12-11
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