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ETSI

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Contents

Foreword

This European Telecommunication Standard (ETS) has been produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

The DECT Test Specification multipart ETS comprises nine parts, as follows:

Part 1: "Part 1: Test Suite Structure (TSS) and Test Purposes (TP) for Medium Access Control (MAC) layer".

Part 2: "Part 2: Abstract Test Suite (ATS) for Medium Access Control (MAC) layer - Portable radio Termination (PT)".

Part 3: "Part 3: Abstract Test Suite (ATS) for Medium Access Control (MAC) layer - Fixed radio Termination (FT)".

Part 4: "Part 4: Test Suite Structure (TSS) and Test Purposes (TP) - Data Link Control (DLC) layer".

Part 5: "Part 5: Abstract Test Suite (ATS) - Data Link Control (DLC) layer".

Part 6: "Part 6: Test Suite Structure (TSS) and Test Purposes (TP) - Network (NWK) layer - Portable radio Termination (PT)".

Part 7: "Part 7: Abstract Test Suite (ATS) for Network (NWK) layer - Portable radio Termination (PT)".

Part 8: "Part 8: Test Suite Structure (TSS) and Test Purposes (TP) - Network (NWK) layer - Fixed radio Termination (FT)".

Part 9: "Part 9: Abstract Test Suite (ATS) for Network (NWK) layer - Fixed radio Termination (FT)".

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1 Scope

This European Telecommunication Standard (ETS) contains the test specification for the Digital Enhanced Cordless Telecommunications (DECT) (ETS 300 175 [1] to [8]).

The objective of this test specification is to provide a basis for approval tests for DECT equipment giving a high probability of air interface inter-operability between different manufacturer's DECT equipment. This test specification defines the Test Suite Structure (TSS) and Test Purposes (TP) for testing of the Network (NWK) layer at the Portable radio Termination (PT).

The ISO standard for the methodology of conformance testing (ISO/IEC 9646-1 [21]) as well as the ETSI rules for conformance testing (ETS 300 406 [29]) are used as a basis for the test methodology.

Test specifications for the Physical Layer (PHL) are provided in other DECT standards.

2 Normative references

This ETS incorporates, by dated or 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] ETS 300 175-1 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 1: Overview".

[2] ETS 300 175-2 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 2: Physical layer".

[3] ETS 300 175-3 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 3: Medium access control layer".

[4] ETS 300 175-4 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 4: Data link control layer".

[5] ETS 300 175-5 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 5: Network layer".

[6] ETS 300 175-6 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 6: Identities and addressing".

[7] ETS 300 175-7 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 7: Security features".

[8] ETS 300 175-8 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 8: Speech coding and transmission".

[9] ETS 300 175-9 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common interface; Part 9: Public access profile".

[10] ETS 300 444: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Generic Access Profile (GAP)".

[11] ETS 300 370: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications/Global System for Mobile communications (DECT/GSM) inter-working profile; Access and mapping (Protocol/procedure description for 3,1 kHz speech service)".

[12] ETS 300 434: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) and Integrated Services Digital Network (ISDN) inter-working for end system configuration".

[13] ETS 300 331: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); DECT Authentication Module (DAM)".

[14] CCITT Recommendation G.726 (1991): "40, 32, 24, 16 kbit/s adaptive differential pulse code modulation (ADPCM)".

[15..20] Reserved values.

[21] ISO/IEC 9646-1 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts". (See also CCITT Recommendation X.290 (1991)).

[22] ISO/IEC 9646-2 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification". (See also CCITT Recommendation X.291 (1991)).

[23] ISO/IEC 9646-3 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 3: The tree and tabular combined notation". (See also CCITT Recommendation X.292 (1992)).

[24] ISO/IEC 9646-4 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 4: Test realisation". (See also CCITT Recommendation X.292 (1992)).

[25] ISO/IEC 9646-5 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 5: Requirements on test laboratories and clients for the conformance assessment process". (See also CCITT Recommendation X.292 (1992)).

[26] ISO/IEC 9646-6 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test specification".

[27] ISO/IEC 9646-7 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation conformance statement".

[28] ISO 7498: "Information Processing Systems - Open Systems Interconnection - Basic Reference model".

[29] ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

[30] 91/263/EEC: "Council Directive of 29 April 1991 on the approximation of the laws of the Member states concerning telecommunications terminal equipment, including the mutual recognition of their conformity. (Terminal Directive)".

[31..40] Reserved values.

[41] I-ETS 300 176: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Approval test specification".

[42] TBR 6: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); General terminal attachment requirements".

[43] TBR 10: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); General terminal attachment requirements: Telephony applications".

[44] TBR 11 (1992): "Radio Equipment and Systems (RES); Attachment requirements for terminal equipment for Digital European Cordless Telecommunications (DECT) Public Access Profile (PAP) applications".

[45] ETS 300 323 (1994): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Public Access Profile (PAP) test specification".

[46] ETS 300 476: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma".

[47] ETS 300 497: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Test Case Library (TCL)".

[48] ETS 300 474: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma".

[49] ETS 300 494: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile Test Specification (PTS)".

[50] TBR 22: "Radio Equipment and Systems (RES); Attachment requirements for terminal equipment for Digital Enhanced Cordless Telecommunications (DECT) Generic Access Profile (GAP) applications".

3 Definitions and abbreviations

3.1 DECT definitions

For the purposes of this ETS, the definitions given in ISO/IEC 9646-1 [21], ISO/IEC 9646-2 [22], ETS 300 175-1 [1], ETS 300 175-5 [5], ETS 300 175-6 [6] and ETS 300 175-7 [7] apply.

3.2 DECT abbreviations

For the purposes of this ETS the NWK layer abbreviations defined in ETS 300 175-5 [5] and the following abbreviations apply:

AC	Authentication Code
AR	Access Rights
AU	Authentication
CA	CApability
CC	Call Control
CCSM	Call Control State Machine
CI	Call Information
CH	Ciphering
CR	Call Release
CTS	Conformance Testing Services
DECT	Digital Enhanced Cordless Telecommunication
DLC	Data Link Control layer
ETSI	European Telecommunications Standards Institute
FT	Fixed radio termination
GAP	Generic Access Profile
IC	Incoming Call
ID	Identification
IPUI	International Portable User Identity
IPEI	International Portable Equipment Identity
KA	Key Allocation
LC	Link Control entity
LE	Connection oriented Link Establishment
LL	ConnectionLess Link control
LO	Location
LR	Connection oriented Link Release
LS	Connection oriented Link Suspend and resume
MAC	Medium Access Control layer
ME	Management Entity
ML	Connectionless Message Services
MM	Mobility Management
MO	Connection Oriented Message Services
NWK	Network layer
OC	Outgoing Call
PAP	Public Access Profile
PARK	Portable Access Rights Key
PM	Packet Mode
PR	Parameter Retrieval
PT	Portable radio termination
RPN	Radio Fixed Part Number
RS	Call Related Supplementary Services
SC	Service Change
UAK	User Authentication Key

3.3 ISO 9646 definitions

For the purposes of this ETS the following ISO 9646 definitions apply:

Implementation Under Test (IUT)
System Under Test (SUT)
Abstract Test Suite (ATS)
Point of Control and Observation (PCO)
Protocol Implementation Conformance Statement (PICS)
Protocol Implementation eXtra Information for Testing (PIXIT)
Lower Tester (LT)
Upper Tester (UT)

3.4 ISO 9646 abbreviations

For the purposes of this ETS the following ISO 9646 abbreviations apply:

ATS	Abstract Test Suite
ASP	Abstract Service Primitive
BI	Invalid Behaviour
BO	InOpportune Behaviour
BV	Valid Behaviour
CA	CApability tests
ETS	European Telecommunication Standard
ISO	International Organisation for Standardisation
IUT	Implementation Under Test
IWU	InterWorking Unit
LT	Lower Tester
PDU	Protocol Data Unit
PHL	Physical Layer
PICS	Protocol Implementation Conformance Statements
PIXIT	Protocol Implementation eXtra Information for Testing
SUT	System Under Test
TP	Test Purpose
TSS	Test Suite Structure
TTCN	Tree and Tabular Combined Notation
UT	Upper Tester

4 Test Suite Structure (TSS)

4.1 TSS overview

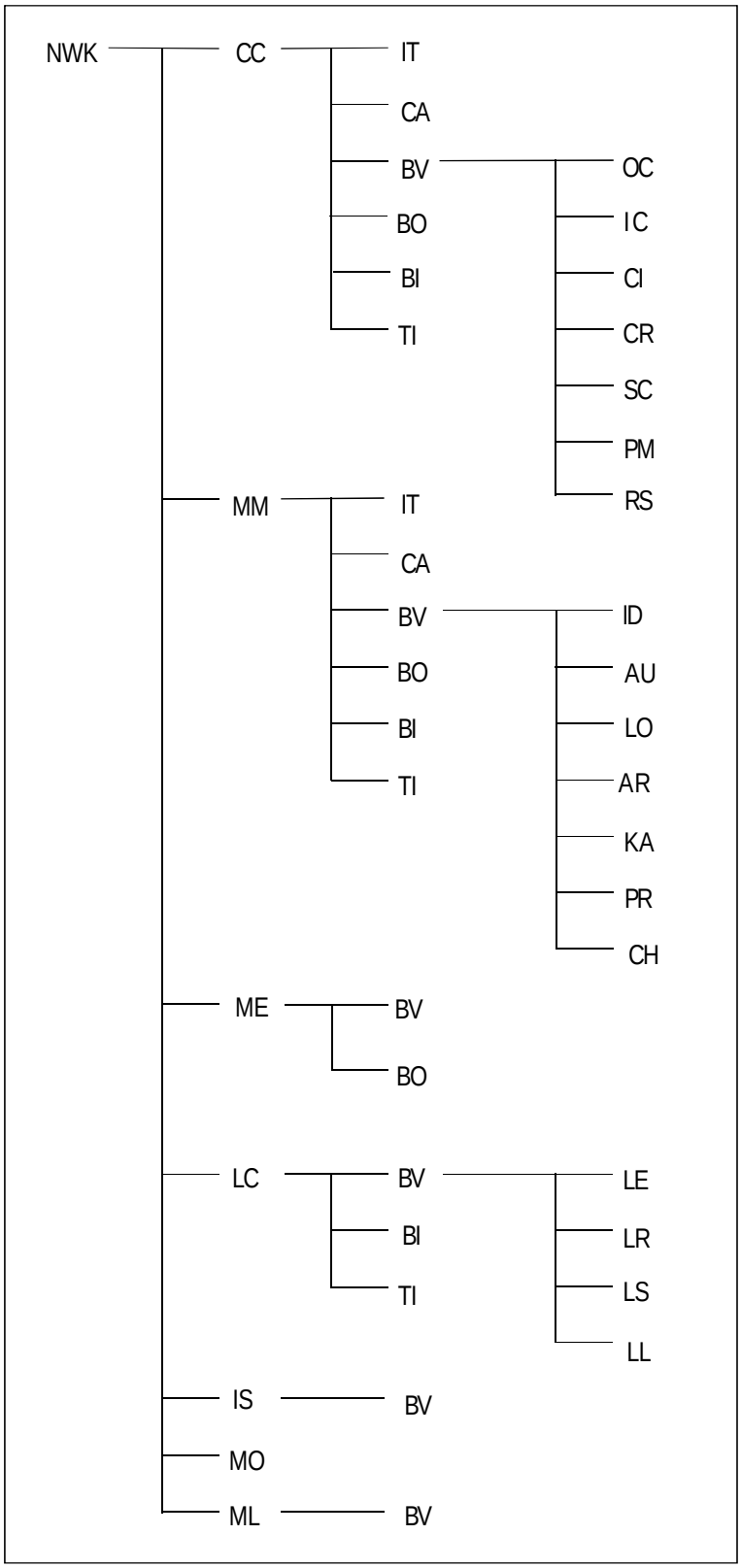

Figure 1: TSS

4.2 Test groups

4.2.1 Protocol groups

4.2.1.1 Call Control (CC)

Ref.: ETS 300 175-5 [5], subclause 5.2 and clause 9

4.2.1.2 Mobility Management (MM)

Ref.: ETS 300 175-5 [5], subclause 5.6 and clause 13

4.2.1.3 Lower Layer Management Entity (LLME)

Ref.: ETS 300 175-5 [5], clause 15

4.2.1.4 Link Control (LC)

Ref.: ETS 300 175-5 [5], subclause 5.7 and clause 14

4.2.1.5 Call Independent Supplementary Services (CISS)

Ref.: ETS 300 175-5 [5], subclauses 5.3 and 10.4.2.2

4.2.1.6 Connection Oriented Message Services (COMS)

Ref.: ETS 300 175-5 [5], subclause 5.4 and clause 11

4.2.1.7 ConnectionLess Message Services (CLMS)

Ref.: ETS 300 175-5 [5], subclause 5.5 and clause 12

4.2.2 Main test groups

4.2.2.1 Basic InTerconnection tests (IT)

IT tests provide limited testing of an IUT in order to establish that there is sufficient conformance for possible interconnection without trying to perform thorough testing. In particular, only those test cases will be executed which will assure the sufficient interconnection between the IUT of the NWK layer and the test system exists, so that the rest of the test cases can then be put into execution.

4.2.2.2 CApability tests (CA)

CA tests provide limited testing that the observable capabilities of the IUT are in accordance with the static conformance requirements and the additional capabilities claimed in the PICS/PIXIT. In particular, this test group can be regarded as a set of spot checks for all the capabilities of the IUT stated in the PICS/PIXIT. Scope of the test group is the observable capabilities of the IUT with respect to NWK layer connection, call control, and the mobility management.

4.2.2.3 Valid Behaviour tests (BV)

BV group tests an IUT in response to valid behaviour of the test system. "Valid" means that a test event is syntactically and contextually correct. All test cases in the valid behaviour group are intended to verify as thoroughly as possible the various functions of the protocol.

4.2.2.4 Invalid Behaviour tests (BI)

BI group is intended to verify that the IUT is able to react properly in case an invalid protocol data unit (message) occurring. Invalid PDU here means syntactically or semantically invalid test events generated by the test system. A syntactically or semantically invalid test event regardless of the current state is not allowed.

4.2.2.5 InOpportune Behaviour tests (BO)

BO test group is intended to verify that the IUT is able to react properly in case an inopportune test event occurring. Such an event is syntactically correct, but occurs when it is not allowed.

4.2.2.6 TImer expiry and counter mismatch tests (TI)

Different timers and counters are defined to supervise the various state transitions. This test subgroup is intended to verify that the IUT is reacting properly to an expiry of one of the timers or counters mismatch.

5 Test Purposes (TPs)

Each test case is allocated directly under a defined TP.

5.1 Introduction

5.1.1 TP definition conventions

The TPs are defined following particular rules as shown in the table 1.

Table 1: TP definition rules

TP Id according to the TP naming conventions Source reference	Reference Initial condition Stimulus Expected behaviour
TP Id:	the TP Id is a unique identifier it shall be specified according to the TP naming conventions defined in the subclause below.
Reference:	the reference should contain the references of the subject to be validated by the actual TP (specification reference, clause, paragraph).
Condition:	the condition defines in which initial state the IUT has to be to apply the actual TP.
Stimulus:	the stimulus defines the test event to which the TP is related.
Expected behaviour:	definition of the events that are expected from the IUT to conform to the base specification.

5.1.2 References

This subclause defines the use of references given in the TPs. The structure provides the interrelationship with:

- the source ETS giving the clause/subclause reference;
- the profile ETS giving the clause/subclause reference; and
- the cross reference to the output of the CTS 5 project (see annex A).

5.1.3 TP naming conventions

The identifier of the TP is built according to table 2:

Table 2: TP naming convention

TP/<rt>/<fm>/<x>/<s>/<nn>		
<rt>= type of radio termination	**PT**	Portable radio Termination
<fm> = functional module	**CC**	**Call Control**
	MM	**Mobility Management**
	ME	**Lower Layer Management Entity**
	LC	**Link Control Entity**
	IS	**Call Independent Supplementary Services**
	MO	**Connection Oriented Message Service**
	ML	**Connectionless Message Service**
x = Type of testing	**IT**	**Basic Interconnection Tests**
	CA	**CApability Tests**
	BV	**Valid Behaviour Tests**
	BO	**Inopportune Behaviour Tests**
	BI	**Invalid Behaviour Tests**
	TI	**Timer expiry and counter mismatch tests**
s = test subgroup	**OC**	**Outgoing Call establishment**
	IC	**Incoming Call establishment**
	CI	**Call Information**
	CR	**Call Release**
	SC	**Service Change**
	PM	**Packet Mode**
	RS	**Call Related Supplementary services**
	ID	**Identification**
	AU	**Authentification**
	LO	**Location**
	AR	**Access Rights**
	KA	**Key Allocation**
	PR	**Parameter Retrieval**
	CH	**Ciphering**
	LE	**Connection oriented Link Establishment**
	LR	**Connection oriented Link Release**
	LS	**Connection oriented Link Suspend and resume**
	LL	**ConnectionLess Link Control**
<nn> = sequential number	**(01-99)**	**Test Purpose Number**

5.2 CC

Test group objectives:

To check the behaviour of the CC module of the IUT.

Subgroups:

- IT;
- CA;
- BV;
- BO;
- BI;
- TI.

5.2.1 CC/IT

- TP/PT/CC/BV/OC-01.

5.2.2 CC/CA

- TP/PT/CC/BV/OC-01;
- TP/PT/CC/BV/IC-01.

5.2.3 CC/BV

Subgroups:

- OC;
- IC;
- CI;
- CR;
- SC;
- PM;
- RS.

5.2.3.1 CC/BV/OC

Test subgroup objectives:

To check the IUT's behaviours to setup an outgoing call.

Test purposes:

TP/PT/CC/BV/OC-01 N_106	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.1 **ETS 300 444 [10], subclause 8.1, figure 1** ETS 300 323-1 [45], subclause 5.3.1.1 Initial state: T-00 Verify that the IUT is able to perform a CC-state transition from the T-00 state to T-10 state via T-01 , T-02, T-03 and T-04 for an outgoing normal call set-up using piecewise method to transfer dialling information in state T-02.
TP/PT/CC/BV/OC-02 New	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.1 **ETS 300 444 [10], subclause 8.1, figure 2** Initial state: T-00 Verify that the IUT is able to perform a CC-state transition from the T-00 state to T-10 state via T-01 for an outgoing normal call set-up using piecewise method to transfer dialling information in state T-10.
TP/PT/CC/BV/OC-03 N_129	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.1 **ETS 300 444 [10], subclause 8.1, figure 3** ETS 300 323-1 [45], subclause 5.3.1.1 Initial state: T-00 Verify that the IUT is able to perform a CC-state transition from the T-00 state to T-10 state via T-01 and T-02 for an outgoing normal call set-up using piecewise method to transfer dialling information in states T-02 and T-10.
TP/PT/CC/BV/OC-04 New	Reference: ETS 300 175-5 [5], subclauses 9.3.1.4 and 9.3.1.5, **ETS 300 444 [10], subclause 8.3, figure 9, table 11** DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.1 Initial state: T-01 Verify that the IUT is able to connect the U-plane on receipt of the {CC-SETUP-ACK} message with the information element <<PROGRESS INDICATOR>> containing "in-band information or appropriate pattern now available".
TP/PT/CC/BV/OC-05 N_101, 2, 3, N_1050, 56, 59-70,	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.1 ETS 300 323-1 [45], subclause 5.3.1.1 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.1 Initial state: T-00 Verify that the IUT is able to perform a CC-state transition from the T-00 state to T-10 state via T-01 , T-02, T-03 and T-04 for an outgoing normal call set-up using en-bloc method to transfer dialling information.
TP/PT/CC/BV/OC-06 N_150	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.1 ETS 300 323-1 [45], subclause 5.3.1.8 Initial state: T-00 Verify that the IUT is able, prior to subscription, to perform a CC-state transition from the T-00 state to T-10 state for an outgoing emergency call set-up.
TP/PT/CC/BV/OC-07 N_151, N_1052, 53	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.1 ETS 300 323-1 [45], subclause 5.3.1.8 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.1 Initial state: T-00 Verify that the IUT is able, when it has subscription record in FT, to perform a CC-state transition from the T-00 state to T-10 state for an outgoing emergency call set-up.

5.2.3.2 CC/BV/IC

Test subgroup objectives:

To check the IUT's behaviours to setup an incoming call.

Test purposes:

TP/PT/CC/BV/IC-01 N_120 N_1094 (state T-07)	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.2 **ETS 300 444 [10], subclause 8.11, figure 28** ETS 300 323-1 [45], subclause 5.3.1.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.2 Initial state: T-00 Verify that the IUT is able to process an incoming call via the states T-06, T-07 and T-08 to the state T-10. The information element <<SIGNAL>> is in the {CC-INFO} message.
TP/PT/CC/BV/IC-02 N_1090	Reference: ETS 300 175-5 [5], subclauses 9.1, 9.2, 9.3.2 **ETS 300 444 [10], subclause 8.11, figure 29** DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.2 Initial state: T-00 Verify that the IUT is able to process an incoming call via the states T-06, T-07 and T-08 to the state T-10. The information element <<SIGNAL>> is in the {CC-SETUP} message.
TP/PT/CC/BV/IC-03 New	Reference: ETS 300 175-5 [5], subclauses 9.3.2.4 **ETS 300 444 [10], subclause 8.12 (future GAP)** Initial state: T-00 Verify that the IUT in case of incoming call, is able to connect the U-plane on receipt of the {CC-SETUP} message with the information element <<PROGRESS INDICATOR>> containing "in-band information or appropriate pattern now available".
TP/PT/CC/BV/IC-04 New	Reference: ETS 300 175-5 [5], subclauses 9.3.2.4 **ETS 300 444 [10], subclause 8.14 (future GAP)** Initial state: T-00 Verify that the IUT in case of incoming call, is able to connect the U-plane on receipt of a {CC-INFO} message with the information element <<PROGRESS INDICATOR>> containing "in-band information or appropriate pattern now available".

5.2.3.3 CC/BV/CI

Test subgroup objectives:

To check the IUT's behaviours for information transfer.

Test purposes:

TP/PT/CC/BV/CI-01 N_125 N_1132	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.13** ETS 300 323-1 [45], subclause 5.3.1.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Verify that the IUT is able to alert the user of an incoming call, when the information element <<SIGNAL>> is present in the {CC-SETUP} message.
TP/PT/CC/BV/CI-02 N_145	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 Initial state: T-02 Verify that the IUT, after the user has invoked pulse (decadic) dialling, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '12H' (goto pulse). (feature N.23 in ETS 300 444 [10])
TP/PT/CC/BV/CI-03 N_148	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 Initial state: T-10 Verify that the IUT, after the user has invoked pulse (decadic) dialling, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '12H' (goto pulse). (feature N.23 in ETS 300 444 [10])
TP/PT/CC/BV/CI-04 N_157	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 Initial state: T-02 Verify that the IUT, after the user has invoked dialling pause, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '05H' (dialling pause). (feature N.7 in ETS 300 444 [10])
TP/PT/CC/BV/CI-05 N_158	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 Initial state: T-10 Verify that the IUT, after the user has invoked dialling pause, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '05H' (dialling pause). (feature N.7 in ETS 300 444 [10])
TP/PT/CC/BV/CI-06 N_162 N_1138	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Initial state: T-02 Verify that the IUT, after the user has invoked DTMF dialling with defined tone length, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '14H' (goto DTMF, defined tone length). (feature N.6 in ETS 300 444 [10])

(continued)

(concluded)

TP/PT/CC/BV/CI-07 N_163 N_1138	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Initial state: T-10 Verify that the IUT, after the user has invoked DTMF dialling with defined tone length, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '14H' (goto DTMF, defined tone length). (feature N.6 in ETS 300 444 [10])
TP/PT/CC/BV/CI-08 N_165	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 Initial state: T-02 Verify that the IUT, after the user has invoked DTMF dialling with infinite tone length, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '16H' (goto DTMF, infinite tone length). (feature N.22 in ETS 300 444 [10])
TP/PT/CC/BV/CI-09 N_166	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 Initial state: T-10 Verify that the IUT, after the user has invoked DTMF dialling with infinite tone length, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info '16H' (goto DTMF, infinite tone length). (feature N.22 in ETS 300 444 [10])
TP/PT/CC/BV/CI-10 N_170	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.1.7 Initial state: T-02 Verify that the IUT, after the user has invoked the sending of the basic digits (0-9, star, hash mark), sends one or more {CC-INFO} messages with <<MULTI-KEYPAD>> information elements containing the basic digits. (feature N.4 in ETS 300 444 [10])
TP/PT/CC/BV/CI-11 New	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.18, table 30 and 31** Verify that the IUT, after the user has invoked an internal call, performs either one of the possible internal call setups, as described in ETS 300 444 [10], subclause 8.18, table 30 and 31.
TP/PT/CC/BV/CI-12 N_168 N_1130	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.16, table 27** ETS 300 323-1 [45], subclause 5.3.1.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Initial state: T-07 Verify that the IUT, on reception of <<MULTI_DISPLAY>> information elements, containing standard characters in {CC-INFO} messages, is able to show these characters on the display.
TP/PT/CC/BV/CI-13 N_169 N_1131	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.16, table 27** ETS 300 323-1 [45], subclause 5.3.1.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Initial state: T-07 Verify that the IUT, on reception of <<MULTI_DISPLAY>> information elements, containing control characters in {CC-INFO} messages, is able to understand and react upon these characters.
TP/PT/CC/BV/CI-14 N_306 N_1143	Reference: ETS 300 175-5 [5], subclause 9.3.1.5 **ETS 300 444 [10], subclause 8.10, table 20** ETS 300 323-1 [45], subclause 5.3.3.3 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Initial state: T-10 Verify that the IUT, after invocation of 'register recall', is able to activate the feature register recall in a {CC-INFO} message.

5.2.3.4 CC/BV/CR

Test subgroup objectives:

To check the IUT's behaviour to release an outgoing and incoming call.

Test purposes:

TP/PT/CC/BV/CR-01 N_1185	Reference: ETS 300 175-5 [5], subclause 9.5.1 **ETS 300 444 [10], subclause 8.3.2.4** DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-02 Verify that the IUT is able to process a FT initiated normal release.
TP/PT/CC/BV/CR-02 N_112 N_1168	Reference: ETS 300 175-5 [5], subclause 9.5.1 **ETS 300 444 [10], subclause 8.7** ETS 300 323 [45], subclause 5.3.1.3 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-03 Verify that the IUT is able to process a FT initiated normal release.
TP/PT/CC/BV/CR-03 N_113 N_1169	Reference: ETS 300 175-5 [5], subclause 9.5.1 **ETS 300 444 [10], subclause 8.7** ETS 300 323 [45], subclause 5.3.1.3 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-04 Verify that the IUT is able to process a FT initiated normal release.
TP/PT/CC/BV/CR-04 N_124 N_1172	Reference: ETS 300 175-5 [5], subclause 9.5.1 **ETS 300 444 [10], subclause 8.7** ETS 300 323 [45], subclause 5.3.1.3 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-08 Verify that the IUT is able to process a FT initiated normal release.
TP/PT/CC/BV/CR-05 N_114 N_1173	Reference: ETS 300 175-5 [5], subclause 9.5.1 **ETS 300 444 [10], subclause 8.7** ETS 300 323 [45], subclause 5.3.1.3 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-10 Verify that the IUT is able to process a FT initiated normal release.
TP/PT/CC/BV/CR-06 N_134	Reference: ETS 300 175-5 [5], subclause 9.5.1 **ETS 300 444 [10], subclause 8.7** ETS 300 323 [45], subclause 5.3.1.3 Initial state: T-10 Verify that the IUT is able to process an IUT initiated normal release.
TP/PT/CC/BV/CR-07 N_107	Reference: ETS 300 175-5 [5], subclause 9.5.2 **ETS 300 444 [10], subclause 8.2.2.3** ETS 300 323 [45], subclause 5.3.1.4 Initial state: T-01 Verify that the IUT is able to process a FT initiated abnormal release.
TP/PT/CC/BV/CR-08 N_108	Reference: ETS 300 175-5 [5], subclause 9.5.2 **ETS 300 444 [10], subclause 8.3.2.2** ETS 300 323 [45], subclause 5.3.1.4 Initial state: T-02 Verify that the IUT is able to process a FT initiated abnormal release.
TP/PT/CC/BV/CR-09 N_111 N_1178	Reference: ETS 300 175-5 [5], subclause 9.5.2 **ETS 300 444 [10], subclause 8.8** ETS 300 323 [45], subclause 5.3.1.4 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-10 Verify that the IUT is able to process a FT initiated abnormal release.

(continued)

(concluded)

TP/PT/CC/BV/CR-10 N_137	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.9** ETS 300 323 [45], subclause 5.3.1.5 Initial state: T-10 Verify that the IUT is able to process a FT initiated partial release.
TP/PT/CC/BV/CR-11 N_1184	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.9** DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-10 Verify that the IUT is able to process an IUT initiated partial release.
TP/PT/CC/BV/CR-12 N_1180	Reference: ETS 300 175-5 [5], subclause 14.2.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.5 Initial state: T-19 Verify that the IUT, when a normal release procedure has been started, is able to handle a {CC-INFO} message sent by the FT.

5.2.3.5 CC/BV/SC

There are no test purposes defined for this group in this ETS.

5.2.3.6 CC/BV/PM

There are no test purposes defined for this group in this ETS.

5.2.3.7 CC/BV/RS

Test subgroup objectives:

To check the IUT's behaviour during any call related procedures.

Test purposes:

TP/PT/CC/BV/RS-01 New	Reference: ETS 300 175-5 [5], subclause 9.3.2 **ETS 300 444 [10], subclause 8.12, table 21** Initial state: T-00 Verify that the IUT shows the calling party number correctly on receipt of calling party number indication before accepting a call. (feature N.30 in ETS 300 444 [10])
TP/PT/CC/BV/RS-02 N_309	Reference: ETS 300 175-5 [5], subclause 10.3 ETS 300 323-1 [45], subclause 5.3.3.3 Initial state: T-10 To test the IUT behaviour of operating the basic feature key management protocol. The exact service shall be provided in the PIXIT.
TP/PT/CC/BV/RS-03 N_307, N_1137	Reference: ETS 300 175-5 [5], subclause 10.4.2.1 ETS 300 323-1 [45], subclause 5.3.3.3 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Initial state: T-10 To test the IUT behaviour of operating the feature key management protocol used for Queue management.
TP/PT/CC/BV/RS-04 N_313, N_1134	Reference: ETS 300 175-5 [5], subclause 10.6.2.4 ETS 300 323-1 [45], subclause 5.3.3.3 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.4 Initial state: T-10 To test the IUT behaviour of operating the feature key management protocol used for Cost information.
TP/PT/CC/BV/RS-05	Reference: ETS 300 175-5 [5], subclauses 7.7.15 and 10.4.2.2 ETS 300 323-1 [45], subclause 5.3.3.4 Initial state: T-10 To test the IUT behaviour of operating the basic functional protocol by sending a <<facility>> information element.
TP/PT/CC/BV/RS-06 N_315, N_1120	Reference: ETS 300 175-5 [5], subclause 7.7.15 and 10.4.2.2 ETS 300 323-1 [45], subclause 5.3.3.4 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.3 Initial state: T-10 To test the IUT behaviour of operating the basic functional protocol by receiving a <<facility>> information element.

5.2.4 CC/BO

Test group objectives:

To check the CC of the IUT in response to the messages that are syntactically correct but not allowed to occur in some states of the CC procedures.

Test purposes:

TP/PT/CC/BO-01 N_1950	Reference: ETS 300 175-5 subclause 17.4.1 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.4.1 Initial state: T-08 Verify that the IUT ignores the unexpected message {CC-CALL-PROC}.
TP/PT/CC/BO-02 New	Reference: ETS 300 175-5 subclause 17.4.1 **ETS 300 444 [10], subclause 8.7.2.1, figure 21** Initial state: T-19 Verify that the IUT is able to react correctly on a release collision, in the sense that on the reception of a {CC-RELEASE} message in state F-19, no {CC-RELEASE-COM} message is sent back, and the call is cleared.

5.2.5 CC/BI

Test group objectives:

To check the CC module of the IUT in response to invalid messages.

Test purposes:

TP/PT/CC/BI-01 N_1812	Reference: ETS 300 175-5 [5], subclause 17.6.1 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.1 Initial state: T-00 Verify that the IUT sends a {CC-RELEASE-COM} message, on receipt of a {CC-SETUP} message with a mandatory information element missing.
TP/PT/CC/BI-02 N_1819	Reference: ETS 300 175-5 subclause 17.6.2 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.1 Initial state: T-00 Verify that the IUT on receipt of a {CC-SETUP} message containing a mandatory information element with invalid contents returns a {CC-RELEASE-COM} message.
TP/PT/CC/BI-03 New	Reference: ETS 300 175-5 subclause 17.4.1 **ETS 300 444 [10], subclause 6.9.4** Initial state: T-10 Verify that the IUT ignores an unrecognised message, when it is constructed as a {CC-SETUP} with one bit wrong in the <<message type>>.
TP/PT/CC/BI-04 N_1801	Reference: ETS 300 175-5 subclause 17.2 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.1 Initial state: T-00 Verify that the IUT ignores a message that is too short to contain a complete message type info element.

5.2.6 CC/TI

Test group objectives:

To check the IUT's properly reacting to an expiry of one of the timers.

Test purposes:

TP/PT/CC/TI-01 N_179 N_1280	Reference: ETS 300 175-5 [5], subclause 9.5.1 **ETS 300 444 [10], subclause 8.7.2.3** ETS 300 323-1 [45], subclause 5.3.1.6 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.8 Initial state: T-19 Verify that the IUT, after having started timer P-<CC.02>, sends a {CC-RELEASE-COM} message when the timer expires after the defined time. The {CC-RELEASE-COM} message should arrive within the allowed margin time of ± 5%.
TP/PT/CC/TI-02 N_174 N_1281	Reference: ETS 300 175-5 [5], subclause 9.3.2.1 **ETS 300 444 [10], subclause 8.2.2.1** ETS 300 323-1 [45], subclause 5.3.1.6 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.8 Initial state: T-01 Verify that the IUT, after having started timer P-<CC.03>, sends a {CC-RELEASE-COM} message when the timer expires after the defined time. The {CC-RELEASE-COM} message should arrive within the allowed margin time of ± 5%.
TP/PT/CC/TI-03 N_180 N_1282	Reference: ETS 300 175-5 [5], subclause 9.3.2.1 **ETS 300 444 [10], subclause 8.2.1.1** ETS 300 323-1 [45], subclause 5.3.1.6 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.8 Initial state: T-01 Verify that the IUT is able to restart timer P-<CC.03>. on receipt of a {CC-NOTIFY} message, sent by the FT.
TP/PT/CC/TI-04 N_175 N_1289	Reference: ETS 300 175-5 [5], subclause 9.3.2.8 **ETS 300 444 [10], subclause 8.15.2.3** ETS 300 323-1 [45], subclause 5.3.1.6 DEL. 2 Part 6.1 (see annex A), subclause 5.2.1.8 Initial state: T-08 Verify that the IUT, after having started timer P-<CC.05>, releases the call using the normal procedure when the timer expires after the defined time. The {CC-RELEASE} message should arrive within the allowed margin time of ± 5%.

5.3 MM

Test group objectives:

To check the behaviour of the MM module of the IUT. The initial states are not fixed. The manufacturer has to decide in which state the test case is to be done.

Subgroups:

- IT;
- CA;
- BV;
- BO;
- BI;
- TI.

5.3.1 MM/IT

None.

5.3.2 MM/CA

- TP/PT/MM/BV/ID-01;
- TP/PT/MM/BV/AR-02;
- TP/PT/MM/BV/KA-01.

5.3.3 MM/BV

Subgroups:

- ID;
- AU;
- LO;
- AR;
- KA;
- PR;
- CH.

5.3.3.1 MM/BV/ID

Test subgroup objectives:

To check the IUT's behaviours of identity request procedure.

Test purposes:

TP/PT/MM/BV/ID-01 N_200 N_1300	Reference: ETS 300 175-5 [5], subclause 13.2.1 **ETS 300 444 [10], subclause 8.19, figure 43** ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.1 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying the IPUI, returns an {IDENTITY-REPLY} message with the IPUI.
TP/PT/MM/BV/ID-02 N_233 N_1302	Reference: ETS 300 175-5 [5], subclause 13.2.1 **ETS 300 444 [10], subclause 8.19.2.1** ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.1 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying an unavailable identity type, returns an {IDENTITY-REPLY} message without identity information elements thereby indicating reject.
TP/PT/MM/BV/ID-03 N_234 N_1303	Reference: ETS 300 175-5 [5], subclause 13.2.1 ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.1 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying a portable identity with IPUI type for which it has stored more than one identity, returns an {IDENTITY-REPLY} message with all available portable id's with IPUI type.
TP/PT/MM/BV/ID-04 New	Reference: ETS 300 175-5 [5], subclause 13.2.1 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying a portable identity with PARK type for which it has stored more than one identity, returns an {IDENTITY-REPLY} message with all available portable id's with PARK type.
TP/PT/MM/BV/ID-05 N_1304	Reference: ETS 300 175-5 [5], subclause 13.2.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.1 Verify that the IUT is able to operate the basic temporary identity assign procedure.
TP/PT/MM/BV/ID-06 N_1312	Reference: ETS 300 175-5 [5], subclause 13.2.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.1 Verify that the IUT, in case of an unacceptable TPUI, during a temporary identity assign procedure, rejects the assignment.
TP/PT/MM/BV/ID-07 N_238, N_1309	Reference: ETS 300 175-5 [5], subclause 13.2.2 ETS 300 323-1 [45], subclause 5.3.2.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.1 Verify that the IUT when a new individual assigned TPUI is assigned will replace an old individual assigned TPUI.
TP/PT/MM/BV/ID-08 New	Reference: ETS 300 175-5 [5], subclause 13.2.1 **ETS 300 444 [10], subclause 8.19, figure 43** ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.1 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying the PARK, returns an {IDENTITY-REPLY} message with the PARK.

5.3.3.2 MM/BV/AU

Test subgroup objectives:

To check the IUT's valid behaviours of the authentication procedure.

Test purposes:

TP/PT/MM/BV/AU-01 N_202 N_1330	Reference: ETS 300 175-5 [5], subclause 13.3.1 **ETS 300 444 [10], subclause 8.21** ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.2 Verify that the IUT is able to operate the basic **authentication of PT** procedure. (IUT has not stored ZAP value and service class information.)
TP/PT/MM/BV/AU-02 N_1341	Reference: ETS 300 175-5 [5], subclause 13.3.1 **ETS 300 444 [10], subclause 8.21.2.1** DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.2 Verify that the IUT, on receipt of an {AUTH-REQUEST} message containing unacceptable algorithm, returns an {AUTH-REJECT} message.
TP/PT/MM/BV/AU-03 New	Reference: ETS 300 175-5 [5], subclause 13.3.1 **ETS 300 444 [10], subclause 8.23** Verify that the IUT, when it has stored ZAP value, includes the <<ZAP field>> in the {AUTH-REPLY} message during the authentication of PT procedure.
TP/PT/MM/BV/AU-04 N_230 N_1332	Reference: ETS 300 175-5 [5], subclause 13.3.1 **ETS 300 444 [10], subclause 8.23** ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.2 Verify that the IUT increments the ZAP field during an authentication of PT procedure. The IUT may or may not authenticate the FT before incrementing the ZAP value.
TP/PT/MM/BV/AU-05 N_244 N_1333	Reference: ETS 300 175-5 [5], subclause 13.3.1 **ETS 300 444 [10], subclause 8.23** ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.2 Verify that the IUT, if it supports authentication of FT as part of the increment ZAP procedure, does not increment the ZAP value if the FT authentication fails.
TP/PT/MM/BV/AU-06 New	Reference: ETS 300 175-5 [5], subclause 13.8 and 7.7.24 **ETS 300 444 [10], subclause 8.24** Verify that the IUT, receiving an {AUTH-REQ} message containing an <<AUTH-TYPE>> information element, containing UPC bit = 1 (store DCK), stores the DCK and that the DCK can be used again in a successive FT initiated ciphering procedure.
TP/PT/MM/BV/AU-07 N_203 N_1335	Reference: ETS 300 175-5 [5], subclause 13.3.2 **ETS 300 444 [10], subclause 8.22** ETS 300 323-1 [45], subclause 5.3.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.2 Verify that the IUT is able to operate the basic authentication of user procedure.
TP/PT/MM/BV/AU-08 N_204 N_1337	Reference: ETS 300 175-5 [5], subclause 13.3.3 **ETS 300 444 [10], subclause 8.20** ETS 300 323-1 [45], subclause 5.3.2.5 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.2 Verify that the IUT, after invoking the basic authentication of FT procedure, is able to operate the procedure.
TP/PT/MM/BV/AU-09 New	Reference: ETS 300 175-5 [5], subclause 13.3.1 **ETS 300 444 [10], subclause 8.23** Verify that the IUT, when it has stored service class information, includes the <<Service class>> information elements in the {AUTH-REPLY} message during the authentication of PT procedure.

5.3.3.3 MM/BV/LO

Test subgroup objectives:

To check the IUT's valid behaviours of the location procedure.

Test purposes:

TP/PT/MM/BV/LO-01 N_220 N_1360	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** ETS 300 323 [45], subclause 5.3.2.6 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.3 Verify that the IUT, if the a44 and a38 bits in the FT broadcasted "higher layer capabilities" were set to "1", is capable to operate the basic location registration procedure after it performed the obtain access rights procedure. (FT does not perform TPUI assignment). See note
TP/PT/MM/BV/LO-02 N_1360	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.3 Verify that the IUT, if the a44 and a38 bits in the FT broadcasted "higher layer capabilities" were set to "1", is capable to operate the basic location registration procedure after it performed the obtain access rights procedure. (FT does perform TPUI assignment). See note
TP/PT/MM/BV/LO-03 New	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** Verify that the IUT, if the a44 bit in the FT broadcasted "higher layer capabilities" was set to "1" but a38 is set to "0", does not initiate location registration procedure after it performed the obtain access rights procedure. See note
TP/PT/MM/BV/LO-04 N_255 N_1363	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** ETS 300 323-1 [45], subclause 5.3.2.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.3 Verify that the IUT, if the a38 bit in the FT broadcasted "higher layer capabilities" was set to "1" and if location area changes not during a CC call, is able to operate location registration procedure. (FT does not perform TPUI assignment). See note
TP/PT/MM/BV/LO-05 New	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** Verify that the IUT, if the a38 bit in the FT broadcasted "higher layer capabilities" was set to "1", after power-off and power-on and after locking to the FT to which it has access rights, will initiate location registration procedure. See note
TP/PT/MM/BV/LO-06 New	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** Verify that the IUT, during a location registration procedure on receipt of a {LOCATE-ACCEPT} message specifying an unacceptable TPUI, will reject the assignment.

(continued)

(concluded)

TP/PT/MM/BV/LO-07 New	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** Verify that the IUT, entering a new location area, deletes the individual assigned TPUI, before performing the location registration procedure. This shall be done by failing the location registration, and verifying that the IUT does not return the deleted TPUI in the identity request procedure.
TP/PT/MM/BV/LO-08 N_211 N_1440	Reference: ETS 300 175-5 [5], subclause 13.7 **ETS 300 444 [10], subclause 8.26** ETS 300 323 [45], subclause 5.3.2.14 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.6 Verify that the IUT, as part of the parameter retrieval procedure on receipt of a location update request, will start location registration procedure within reasonable time, when in the broadcast attributes bit a38 was set to "1".
TP/PT/MM/BV/LO-09 New	Reference: ETS 300 175-5 [5], subclause 13.7 **ETS 300 444 [10], subclause 8.26** Verify that the IUT, as part of the parameter retrieval procedure on receipt of a location update request, will start location registration procedure within reasonable time, even when in the broadcast attributes bit a38 was set to "0".

NOTE: The phrase 'bit a38 was set to 1' means: the bit a38 had the value of 1 during the time the PT locked to the IUT.

5.3.3.4 MM/BV/AR

Test subgroup objectives:

To check the IUT's valid behaviours of the access rights procedure.

Test purposes:

TP/PT/MM/BV/AR-01 N_207	Reference: ETS 300 175-5 [5], subclause 13.5.1 **ETS 300 444 [10], subclause 8.27, figure 53** ETS 300 323-1 [45], subclause 5.3.2.9 Verify that the IUT, after invocation, if the a44 bit in the FT broadcasted "higher layer capabilities" is set to "1" is able to perform the basic operation of the obtain access rights procedure. (PT has only AC)
TP/PT/MM/BV/AR-03 N_232	Reference: ETS 300 175-5 [5], subclause 13.5.1 **ETS 300 444 [10], subclause 8.27** ETS 300 323-1 [45], subclause 5.3.2.9 Verify that the IUT, after invocation, if the a44 bit in the FT broadcasted "higher layer capabilities" is set to "0" does not initiate obtain access rights procedure after it has locked to the FT.
TP/PT/MM/BV/AR-05 N_263 and N_209 N_1391	Reference: ETS 300 175-5 [5], subclause 13.5.2 **ETS 300 444 [10], subclause 8.28, figure 55** ETS 300 323-1 [45], subclause 5.3.2.11 DEL. 2 Part 6.1, subclause 5.2.2.4 Verify that the IUT, is able to perform the basic operation of the FT initiated terminate access rights procedure. (IUT may or may not authenticate the FT before performing the procedure.)
TP/PT/MM/BV/AR-06 N_1397	Reference: ETS 300 175-5 [5], subclause 13.5.2 **ETS 300 444 [10], subclause 8.28.2.1, figure 56** DEL. 2 Part 6.1[40], subclause 5.2.2.4 Verify that the IUT, if requested by the FT to terminate the access rights, will first try to authenticate the FT and if this procedure fails, rejects the access rights terminate procedure.
TP/PT/MM/BV/AR-07 N_208 N_1399	Reference: ETS 300 175-5 [5], , subclause 13.5.1 ETS 300 323-1 [45], subclause 5.3.2.10 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.4 Verify that the IUT, after invocation, is able to perform the basic operation of the PT initiated terminate access rights procedure. FT does not perform authentication of PT.
TP/PT/MM/BV/AR-09	Reference: ETS 300 175-5 [5], , subclause 13.5.1 ETS 300 323-1 [45], subclause 5.3.2.10 **ETS 300 444 [10], subclause 8.28, figure 55** DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.4 Verify that the IUT, on receipt of the {ACCESS-RIGHTS-ACCEPT} message containing the information element <<ZAP-FIELD>>, will store this information.
TP/PT/MM/BV/AR-10	Reference: ETS 300 175-5 [5], , subclause 13.5.1 ETS 300 323-1 [45], subclause 5.3.2.10 **ETS 300 444 [10], subclause 8.28, figure 55** DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.4 Verify that the IUT, on receipt of the {ACCESS-RIGHTS-ACCEPT} message containing the information element <<SERVICE-CLASS>>, will store this information.

5.3.3.5 MM/BV/KA

Test subgroup objectives:

To check the IUT's valid behaviour of the key allocation procedure.

Test purposes:

TP/PT/MM/BV/KA-01 N_210 N_1420	Reference: ETS 300 175-5 [5], subclause 13.6 **ETS 300 444 [10], subclause 8.29, figure 57** ETS 300 323 [45], subclause 5.3.2.12 DEL. 2 Part 6.1, subclause 5.2.2.5 Verify that the IUT is able to operate the basic key allocation procedure.
TP/PT/MM/BV/KA-02 New	Reference: ETS 300 175-5 [5], subclause 13.6 **ETS 300 444 [10], subclause 8.29.2.3, figure 58** Verify that the IUT is able to send an {AUTH_REJECT} message as a response to the key allocation procedure when the <<Allocation type>> information element is not acceptable.
TP/PT/MM/BV/KA-03 New	Reference: ETS 300 175-5 [5], subclause 13.6 **ETS 300 444 [10], subclause 8.29.2.5, figure 60** Verify that the IUT does not process the key allocation procedure, when the authentication of FT as part of the key allocation procedure fails, in the sense, that the PT retains the AC and does not convert it into a UAK.

5.3.3.6 MM/BV/PR

Test subgroup objectives:

To check the IUT's valid behaviour of the parameter retrieval procedure.

Test purpose:

TP/PT/MM/BV/PR-01 N_212, N_1442	Reference: ETS 300 175-5 [5], subclause 13.7 ETS 300 323-1 [45], subclause 5.3.2.13 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.6 Verify that the IUT, after invocation, is able to operate the basic operation of the PT initiated parameter retrieval procedure.

5.3.3.7 MM/BV/CH

Test subgroup objectives:

To check the IUT's valid behaviour of the ciphering procedure.

Test purposes:

TP/PT/MM/BV/CH-01 N_214 N_1461	Reference: ETS 300 175-5 [5], subclause 13.8 **ETS 300 444 [10], subclause 8.31, figure 63** ETS 300 323-1 [45], subclause 5.3.2.15 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.7 Verify that the IUT, being in unciphered mode, is able to operate the basic PT initiated cipher-switching procedure requesting "cipher-on".
TP/PT/MM/BV/CH-02 N_268 N_1461	Reference: ETS 300 175-5 [5], subclause 13.8 **ETS 300 444 [10], subclause 8.31, figure 63** ETS 300 323-1 [45], subclause 5.3.2.15 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.7 Verify that the IUT, being in ciphered mode, is able to operate the basic PT initiated cipher-switching procedure requesting "cipher-off".
TP/PT/MM/BV/CH-03 N_213 N_1463	Reference: ETS 300 175-5 [5], subclause 13.8 **ETS 300 444 [10], subclause 8.30, figure 61** ETS 300 323-1 [45], subclause 5.3.2.16 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.7 Verify that the IUT, being in unciphered mode, is able to operate the basic FT initiated cipher-switching procedure requesting "cipher-on".
TP/PT/MM/BV/CH-04 N_271 N_1463	Reference: ETS 300 175-5 [5], subclause 13.8 **ETS 300 444 [10], subclause 8.30, figure 61** ETS 300 323-1 [45], subclause 5.3.2.16 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.7 Verify that the IUT, being in ciphered mode, is able to operate the basic FT initiated cipher-switching procedure requesting "cipher-off".
TP/PT/MM/BV/CH-05 N_1465	Reference: ETS 300 175-5 [5], subclause 13.8 **ETS 300 444 [10], subclause 8.30, figure 61** DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.7 Verify that the IUT, being in unciphered mode, on receipt of a {CIPHER-REQUEST} message containing unacceptable algorithm or key and requesting "cipher-on", will reject the request.

5.3.4 MM/BO

Test group objectives:

To check the MM of the IUT in response to the messages that are syntactically correct but not allowed to occur in some phase of the MM procedures.

Test purpose:

TP/PT/MM/BO-01 N_1971	Reference: ETS 300 175-5 [5], subclause 17.4.4 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.4.2 Verify that the IUT ignores the unexpected message {ACCESS-RIGHTS-ACCEPT} after the IUT has initiated the location registration procedure.

5.3.5 MM/BI

Test group objectives:

To check the MM module of the IUT in response to invalid messages.

Test purposes:

TP/PT/MM/BI-01 N_1857	Reference: ETS 300 175-5 [5], subclause 17.4.4 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.2.1 Verify that the IUT ignores an invalid message with an unrecognised message type.
TP/PT/MM/BI-02 N_1854	Reference: ETS 300 175-5 [5], subclause 17.6.4 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.2.1 Verify that the IUT's response to a {CIPHER-REQUEST} message with invalid <<cipher info>> information element is the sending of a {CIPHER-REJECT} message.
TP/PT/MM/BI-03 N_1859	Reference: ETS 300 175-5 [5], subclause 17.6.4 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.2.1 Verify that the IUT, on receipt of an {AUTHENT-REQUEST} message without <<rand>> information element, sends back an {AUTH-REJECT} message.
TP/PT/MM/BI-04 N_1860	Reference: ETS 300 175-5 [5], subclause 17.6.4 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.2.1 Verify that the IUT, during a PT-initiated Obtain access rights procedure ignores an {ACCESS-RIGHTS-ACC} message containing a <<portable-id>> information element with invalid content.

5.3.6 MM/TI

Test group objectives:

To check the IUT's properly reacting to an expiry of one of the timers.

Test purposes:

TP/PT/MM/TI-01 N_265 N_1422	Reference: ETS 300 175-5 [5], subclause 13.3.3 **ETS 300 444 [10], subclause 8.29.2.2** ETS 300 323 [45], subclause 5.3.2.12 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.5 Verify that the IUT, when the timer P-<MM_auth.1> as part of the key allocation procedure expires after the defined time (± 5%), aborts the procedure and thus allows the same priority procedure identity request of PT to proceed.
TP/PT/MM/TI-02 N_246 N_1342	Reference: ETS 300 175-5 [5], subclause 13.3.3 **ETS 300 444 [10], subclause 8.20.1.1** ETS 300 323 [45], subclause 5.3.2.5 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.2 Verify that the IUT is capable of completing the FT Authentication procedure at a point in time 10% before expiry of the timer P-<MM_auth.1>.
TP/PT/MM/TI-03 N_248 N_1361, N_1372	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25.2.2** ETS 300 323 [45], subclause 5.3.2.6 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.3 Verify that the IUT is capable of completing the Location Regristration procedure at a point in time 10% before expiry of the timer P-<MM_locate.1>.
TP/PT/MM/TI-04 N_257 N_1392	Reference: ETS 300 175-5 [5], subclause 13.5.1 **ETS 300 444 [10], subclause 8.27.2.2** ETS 300 323 [45], subclause 5.3.2.9 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.4 Verify that the IUT is capable of obtaining Access Rights at a point in time 10% before expiry of the timer P-<MM_access.1>.
TP/PT/MM/TI-05 N_269 N_1464, N_1466	Reference: ETS 300 175-5 [5], subclause 13.8 (PT initiated cipher-switching) **ETS 300 444 [10], subclause 8.31.2.2** ETS 300 323 [45], subclause 5.3.2.15 DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.7 Verify that the IUT is capable of completing the PT Initiated Ciphering procedure at a point in time 10% before expiry of the timer P-<MM_cipher.1>.

5.4 ME

Subgroups:

- BV;
- BO.

5.4.1 ME/BV

Test group objectives:

To check priority scheme in the MM entity and interleaving operation of MM entity and CC entity of the IUT.

Test purposes:

TP/PT/ME/BV-01 N_1010	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 6.9.6** DEL. 2 Part 6.1 (see annex A), subclause 5.2.8 Verify that the IUT is able to operate the authentication of PT procedure before answering to the {CC-SETUP} message.
TP/PT/ME/BV-02 New	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 8.26** Verify that the IUT, if interrupted by the parameter retrieval procedure indicating "locate suggest" during the PT initiated cipher switching procedure, finishes the ciphering procedure before initiating the location registration.
TP/PT/ME/BV-03 N_1404	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 6.9.6** DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.4 Verify that the IUT is able to perform authentication of the user request, when it interrupts an obtain access rights procedure.
TP/PT/ME/BV-04 N_296	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 6.9.6** ETS 300 323-1 [45], subclause 5.3.2.9 Verify that the IUT is able to perform authentication of PT request, when it interrupts an obtain access rights procedure.
TP/PT/ME/BV-05 New	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 6.9.6** Verify that the IUT is able to operate the authentication of PT procedure performed in parallel with an outgoing call establishment.
TP/PT/ME/BV-06 New	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 6.9.6** Verify that the IUT is able to perform the FT initiated cipher-switching procedure in parallel with an outgoing call establishment.
TP/PT/ME/BV-07 New	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclauses 6.9.6 and 8.30** Verify that the IUT is able to perform the FT initiated cipher-switching procedure, before reception of a {CC_SETUP_ACK} message during an outgoing call establishment.
TP/PT/ME/BV-08 New	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 6.9.6** Verify that the IUT is able to restart the relevant CC timer, on receipt of a {CC-NOTIFY} message, when the outgoing call setup from the IUT is interrupted by a FT initiated user authentication procedure.
TP/PT/ME/BV-09 New	Reference: ETS 300 175-5 [5], subclause 13.8 and 7.7.24 **ETS 300 444 [10], subclause 8.24** Verify that the IUT is able to operate correctly the procedure for storing the DCK started in cipher mode. The IUT shall store the DCK, but not use it for the current ciphering session.

(continued)

(concluded)

TP/PT/ME/BV-10 N_1363	Reference: ETS 300 175-5 [5], subclause 13.4.1 **ETS 300 444 [10], subclause 8.25** DEL. 2 Part 6.1 (see annex A), subclause 5.2.2.3 Initial state: T-10 Verify that the IUT, if the a38 bit in the FT broadcasted "higher layer capabilities" was set to "1" and if location area changes during a CC call, will initiate location registration procedure before or after entering the T-00 state. (FT does not perform TPUI assignment.) Note 1
TP/PT/ME/BV-11 New	Reference: ETS 300 175-5 [5], subclause 15.5 **ETS 300 444 [10], subclause 6.9.6** Verify that the IUT is able to operate the terminate access rights procedure before answering to the {CC-SETUP} message.
TP/PT/ME/BV-12 New	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.34** Verify that the IUT, when the link fails during an active call, will clear the call.
TP/PT/ME/BV-13 N_1391	Reference: ETS 300 175-5 [5], subclause 13.5.1 **ETS 300 444 [10], subclause 8.27** DEL. 2 Part 6.1, subclause 5.2.2.4 Verify that the IUT, after invocation, if the a44 bit in the FT broadcasted "higher layer capabilities" is set to "1", is able to accept key allocation procedure interrupting obtaining access rights procedure and to continue normal operation.

5.4.2 ME/BO

Test group objectives:

To check priority scheme in the MM entity and interleaving operation of MM entity and CC entity of the IUT in response to the messages that are syntactically correct but not allowed to occur at certain phase.

Test purpose:

TP/PT/ME/BO-01 New	Reference: ETS 300 175-5 [5], subclauses 17.4.4 and 15.5 **ETS 300 444 [10], subclauses 6.9.6 and 13.1** Verify that the IUT, if it receives during a FT authentication procedure an {AUTH-REQUEST} message as an attempt from the FT to initiate the authentication of PT procedure, will ignore the interrupting procedure.

5.5 LC

Test group objectives:

To verify the behaviour of the LC entity of the IUT.

Subgroups:

- BV;
- BI;
- TI.

5.5.1 LC/BV

Subgroups:

- LE;
- LR;
- LS;
- LL.

5.5.1.1 LC/BV/LE

Test subgroup objectives:

To check the IUT's behaviour of establishing connection oriented link procedure.

Test purposes:

TP/PT/LC/BV/LE-01 New	Reference: ETS 300 175-5 [5], subclause 14.2.2 **ETS 300 444 [10], subclause 8.3.3** Initial state: T-00 Verify that the IUT, when no link to the FT exists, on receipt of a higher layer message is able to operate a direct link establishment procedure.
TP/PT/LC/BV/LE-02 N_1751	Reference: ETS 300 175-5 [5], subclause 14.2.3 **ETS 300 444 [10], subclause 8.32, figure 65** DEL. 2 Part 6.1 (see annex A), subclause 5.2.6 Initial state: T-00 Verify that the IUT is able to respond to indirect (paged) FT-initiated link establishment request which uses a short address request paging and contains correct identity.

5.5.1.2 LC/BV/LR

Test subgroup objectives:

To check the IUT's valid behaviour of connection oriented link release procedures.

Test purposes:

TP/PT/LC/BV/LR-01 New	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.36** Verify that the IUT is able to perform a partial release after a MM procedure has been accomplished, and no other entities are using the link.
TP/PT/LC/BV/LR-02 New	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.36** Verify that the IUT is able to perform a normal release after a CC procedure has been accomplished, and no other entities are using the link.
TP/PT/LC/BV/LR-03 New	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.36** Verify that the IUT, after a CC requested partial release has been agreed, is able to maintain the link for a specified time, and no other entities are using the link.

5.5.1.3 LC/BV/LS

Test subgroup objectives:

To check the IUT's valid behaviour of connection oriented link suspend and resume procedures.

Test purposes:

There are no test purposes defined for this group in this ETS.

5.5.1.4 LC/BV/LL

Test subgroup objectives:

To check the IUT's valid behaviour of connectionless link control procedures.

Test purposes:

There are no test purposes defined for this group in this ETS.

5.5.2 LC/BI

Test group objectives:

To check the LC entity of the IUT in response to invalid messages.

Test purposes:

TP/PT/LC/BI-01 N_1830	Reference: ETS 300 175-5 subclause 17.1 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.1 Initial state: T-00 Verify that the IUT ignores a message containing a protocol discriminator value that indicates a service that is not supported by the IUT.
TP/PT/LC/BI-03 N_1850	Reference: ETS 300 175-5 [5], subclause 17.3.1 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.2.1 Verify that the IUT ignores an {IDENTITY-REQUEST} message containing illegal transaction identifier.
TP/PT/LC/BI-04 N_1856	Reference: ETS 300 175-5 [5], subclause 17.3.2.5 **ETS 300 444 [10], subclause 6.9.4** DEL. 2 Part 6.1 (see annex A), subclause 5.3.2.1 Initial state: T-00 Verify that the IUT ignores an {ACCESS-RIGHTS-ACCEPT} message with a transaction identifier flag set illegally to '0', if the message was received during an obtain access rights procedure.

5.5.3 LC/TI

Test group objectives:

To check the IUT's properly reacting to an expiry of one of the timers.

Test purposes:

TP/PT/LC/TI-01 New	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.34.2.1** Verify that the IUT handles the expiry of timer <LCE.01> correctly. **NOT TESTABLE**
TP/PT/LC/TI-02 New	Reference: ETS 300 175-5 [5], subclause 14.2.7 **ETS 300 444 [10], subclause 8.36** Initial state: T-00 Verify that the IUT, after termination of an MM procedure, maintains the link for a period of <LCE.02>. ± 5%.

5.6 IS

Subgroups:

- BV

5.6.1 IS/BV

Test group objectives:

To verify the behaviour of the CISS entity of the IUT.

Test purposes:

TP/PT/IS/BV-01 N-317 N_1506	Reference: ETS 300 175-5 [5], subclause 14.2.1 and 14.2.3 ETS 300 323-1 [45], subclause 5.3.6.6 DEL. 2 Part 6.1 (see annex A), subclause 5.2.3 Initial state: T-00 To test the IUT's capability to operating of a CISS outgoing call containing a <<Feature Activate>> information element.
TP/PT/IS/BV-02 N_316, N_1505	Reference: ETS 300 175-5 [5], subclause 14.2.1 and 14.2.3 ETS 300 323-1 [45], subclause 5.3.6.5 DEL. 2 Part 6.1 (see annex A), subclause 5.2.3 Initial state: T-00 To test the IUT's capability of operating a CISS outgoing call containing a <<KEYPAD>> information element.
TP/PT/IS/BV-03 N-318 N_1501, N_1502	Reference: ETS 300 175-5 [5], subclause 14.2.1 and 14.2.3 ETS 300 323-1 [45], subclause 5.3.6.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.3 Initial state: T-00 To test the IUT's capability of operating a CISS outgoing call containing a <<Facility>> information element.
TP/PT/IS/BV-04 N-319 N_1503, N_1504	Reference: ETS 300 175-5 [5], subclause 14.2.1 and 14.2.3 ETS 300 323-1 [45], subclause 5.3.6.7 DEL. 2 Part 6.1 (see annex A), subclause 5.2.3 Initial state: T-00 To test the IUT's capability of operating a CISS incoming call containing <<Facility>> information element.

5.7 MO

There are no test purposes defined for this group in this ETS.

5.8 CL

Subgroups:

- BV.

5.8.1 CL/BV

Test group objectives:

To verify the behaviour of the CLMS entity of the IUT.

Test purposes:

TP/PT/CL/BV-01 N_350, N_2706,7	Reference: ETS 300 175-5 [5], subclause 14.2.1 and 14.2.3 ETS 300 323-1 [45], subclause 5.3.5.1 DEL. 2 Part 6.1 (see annex A), subclause 5.2.5 Initial state: T-00 To test the IUT's capability of processing a CLMS-FIXED message sent by the FT.
TP/PT/CL/BV-02 N_351, N_1700-3	Reference: ETS 300 175-5 [5], subclause 14.2.1 and 14.2.3 ETS 300 323-1 [45], subclause 5.3.5.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.5 Initial state: T-00 To test the IUT's capability to send a CLMS-VARIABLE.
TP/PT/CL/BV-03 N_352, N_1704,5	Reference: ETS 300 175-5 [5], subclause 14.2.1 and 14.2.3 ETS 300 323-1 [45], subclause 5.3.5.2 DEL. 2 Part 6.1 (see annex A), subclause 5.2.5 Initial state: T-00 To test the IUT's capability to process a CLMS-VARIABLE message.

Annex A (informative): Bibliography

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