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European Standard (Telecommunications series)

**Digital Enhanced Cordless Telecommunications (DECT);
Cordless Terminal Mobility (CTM);
CTM Access Profile (CAP);
Profile Test Specification (PTS);
Part 3: Profile Specific Test Specification (PSTS) -
Fixed radio Termination (FT)**



Reference

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Project Digital Enhanced Cordless Telecommunications (DECT).

The CTM Access Profile (CAP) Profile Test Specification (PTS) comprises three parts:

Part 1: "Summary";

Part 2: "Profile Specific Test Specification (PSTS) - Portable radio Termination (PT)";

Part 3: "Profile Specific Test Specification (PSTS) - Fixed radio Termination (FT)".

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1 Scope

The present document contains the test specification for Digital Enhanced Cordless Telecommunications (DECT) CTM Access Profile (CAP) Fixed Part (FP) applications.

The main objective of the CAP test specification is to provide approval tests giving a high probability of air interface inter-operability between different manufacturer's equipment in different environments (i.e. public, business and residential).

The ISO standard for the methodology of conformance testing ISO/IEC 9646 Parts 1 [24] to 7 [30] is used as the basis for the test methodology, and as the basis for the test case specification. This is considered to be unsuitable for Physical layer testing, and therefore a text description is used.

The test cases listed in the present document have been derived from the DECT Common Interface (CI) Test Case Library (TCL) [14] to [22]. In addition as far as the Physical layer is concerned EN 300 176 [10] applies. Additional CAP specific test cases are included where required. The Profile IXIT is based on the DECT CI PIXITs specified in EN 300 497 [14] to [22].

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

- [1] EN 301 371-1: "Digital Enhanced Cordless Telecommunications (DECT); Cordless Terminal Mobility (CTM); CTM Access Profile (CAP); Profile Test Specification (PTS); Part 1: Summary".
- [2] Void.
- [3] EN 300 175-1: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [4] EN 300 175-2: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer (PHL)".
- [5] EN 300 175-3: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [6] EN 300 175-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
- [7] EN 300 175-5: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".
- [8] EN 300 175-6: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing".
- [9] EN 300 175-7: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features".

- [10] EN 300 176: "Digital Enhanced Cordless Telecommunications (DECT); Approval test specification".
- [11] EN 300 444: "Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP)".
- [12] ETS 300 476 (all parts): "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma".
- [13] EN 300 494-3: "Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Part 3: Profile Specific Test Specification (PSTS) - Fixed radio Termination (FT)".
- [14] EN 300 497-1: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 1: Test Suite Structure (TSS) and Test Purposes (TP) for Medium Access Control (MAC) layer".
- [15] EN 300 497-2: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 2: Abstract Test Suite (ATS) for Medium Access Control (MAC) layer - Portable radio Termination (PT)".
- [16] EN 300 497-3: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 3: Abstract Test Suite (ATS) for Medium Access Control (MAC) layer - Fixed radio Termination (FT)".
- [17] EN 300 497-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 4: Test Suite Structure (TSS) and Test Purposes (TP) - Data Link Control (DLC) layer".
- [18] EN 300 497-5: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 5: Abstract Test Suite (ATS) - Data Link Control (DLC) layer".
- [19] EN 300 497-6: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 6: Test Suite Structure (TSS) and Test Purposes (TP) - Network (NWK) layer - Portable radio Termination (PT)".
- [20] EN 300 497-7: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 7: Abstract Test Suite (ATS) for Network (NWK) layer - Portable radio Termination (PT)".
- [21] EN 300 497-8: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 8: Test Suite Structure (TSS) and Test Purposes (TP) - Network (NWK) layer - Fixed radio Termination (FT)".
- [22] EN 300 497-9: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Test Case Library (TCL); Part 9: Abstract Test Suite (ATS) for Network (NWK) layer - Fixed radio Termination (FT)".
- [23] EN 300 824: "Digital Enhanced Cordless Telecommunications (DECT); Cordless Terminal Mobility (CTM); CTM Access Profile (CAP)".
- [24] ISO/IEC 9646-1: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 1: General concepts".
- [25] ISO/IEC 9646-2: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 2: Abstract Test Suite Specification".
- [26] ISO/IEC 9646-3: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 3: The Tree and Tabular Combined Notation (TTCN)".
- [27] ISO/IEC 9646-4: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 4: Test realization".

- [28] ISO/IEC 9646-5: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 5: Requirements on test laboratories and clients for the Conformance Assessment process".
- [29] ISO/IEC 9646-6: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 6: Protocol Profile Test Specification".
- [30] ISO/IEC 9646-7: "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 7: Implementation Conformance statement".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

- terms defined in ISO/IEC 9646 Parts 1 to 7 [24] to [30];
- definitions in EN 300 175 Parts 1 to 7 [3] to [9];
- definitions in EN 300 444 [11];
- definitions in EN 300 824 [23].

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ATS	Abstract Test Suite
CAP	CTM Access Profile
CC	Call Control
CI	Common Interface
CTM	Cordless Terminal Mobility
DECT	Digital Enhanced Cordless Telecommunications
DLC	Data Link Control
FT	Fixed radio Termination
GAP	Generic Access Profile
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
IXIT	Implementation eXtra Information for Testing
LCE	Link Control Entity
LLME	Lower Layer Management Entity
MAC	Medium Access Control
MM	Mobility Management
NWK	Network
PH	Physical
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
PT	Portable radio Termination
PSTS	Profile Specific Test Specification
PTS	Profile Test Specification
SUT	System Under Test

4 Relevant test cases list

4.1 Network (NWK) layer

This subclause includes lists of the test groups and abstract test cases relevant for CAP Profile Test Specification (PTS) - NWK layer Fixed Termination (FT) derived from EN 300 497-9 [22]. In addition all the test groups and abstract test cases relevant for GAP PTS, contained in EN 300 494-3 [13] shall apply.

NOTE: References when necessary shall be made based on the particular test case name unique through all test specification EN 300 497 [14] to [22].

4.1.1 Test suite structure (TSS)

Table 1

Test Suite Structure	
Suite Name:	nwk_ft
Standards Ref:	EN 300 824 [23]; EN 300 497-9 [22]
Profile ICS Ref:	DEN/DECT-040121
Profile IXIT Ref:	EN 300 494-3 [13]
Test Method:	remote
Comments:	
Test Group Reference	Test Group Objective
FT/	To check the behaviour of the NWK layer of the FT(IUT)
FT/CC/	To check the IUT CC-state machine behaviour
FT/CC/IT/	To check that the IUT CC-state machine provides sufficient conformance for possible interconnection without trying to perform thorough testing
FT/CC/CA/	Limited testing that the observable capabilities of the CC entity of the IUT are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/CC/BV/	To test the CC entity of the IUT in response to syntactically and contextual correct behaviour of the test system
FT/CC/BV/OC/	To check the IUT's behaviours to set-up an outgoing call
FT/CC/BV/IC/	To check the IUT's behaviours to set-up an incoming call
FT/CC/BV/CI/	To check the IUT's behaviour in information transfer procedures
FT/CC/BV/CR/	To check the IUT's behaviours to release an outgoing/incoming call
FT/CC/BV/HP/	To check the IUT's behaviour during external handover procedures
FT/CC/RS	To check the IUT's behaviour during call related supplementary service procedures.
FT/CC/BO/	To check the behaviour of the CC entity of the IUT in response to the messages that are syntactically correct but not allowed to occur in some states of the CC procedures
FT/CC/BI/	To check the behaviour of the CC entity of the IUT in response to invalid messages
FT/CC/TI/	To verify that the IUT CC timers are with correct values and the IUT is reacting properly to the expiry of a timer
FT/MM/	To check the behaviour of the Mobility Management entity of the IUT
FT/MM/IT/	To check that the MM entity of the IUT provides sufficient conformance for possible interconnection without trying to perform thorough testing
FT/MM/CA/	Limited testing that the observable capabilities of the MM entity of the IUT are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/MM/BV/	To test the MM entity of the IUT in response to syntactically and contextual correct behaviour of the test system
FT/MM/BV/ID/	To check the IUT's behaviour concerning identity procedures
FT/MM/BV/AU/	To check the IUT's behaviour concerning the authentication procedures
FT/MM/BV/LO/	To check the IUT's behaviour concerning the location procedures
FT/MM/BV/AR/	To check the IUT's behaviour concerning the access rights procedures
FT/MM/BV/KA/	To check the IUT's behaviour concerning the key allocation procedure
FT/MM/BV/CH/	To check the IUT's behaviour concerning the ciphering related procedures
FT/MM/BV/HP/	To check the IUT's behaviour during external handover procedures
FT/MM/BO/	To check the IUT behaviour in response to the messages that are syntactically correct but not allowed to occur in some phase of the MM procedures
FT/MM/BI/	To check the IUT in response to invalid MM messages
FT/MM/TI/	To verify that the IUT MM timers are with correct values and the IUT is reacting properly to the expiry of a timer
FT/ME/	To check the behaviour of the LLME of the IUT
FT/ME/IT/	To check that LLME of the IUT provides sufficient conformance for possible interconnection without trying to perform thorough testing
FT/ME/CA/	Limited testing that the observable capabilities of the LLME of the IUT are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/ME/BV/	To test the LLME of the IUT in response to syntactically and contextual correct behaviour of the test system
FT/LC/	To check the behaviour of the LCE of the IUT

Test Suite Structure	
Suite Name: nwk_ft	
Standards Ref: EN 300 824 [23]; EN 300 497-9 [22]	
Profile ICS Ref: DEN/DECT-040121	
Profile IXIT Ref: EN 300 494-3 [13]	
Test Method: remote	
Comments:	
Test Group Reference	Test Group Objective
FT/LC/IT/	To check that LCE of the IUT provides sufficient conformance for possible interconnection without trying to perform thorough testing
FT/LC/CA/	Limited testing that the observable capabilities of the LCE of the IUT are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/LC/BV/	To test the LCE of the IUT in response to syntactically and contextual correct behaviour of the test system
FT/LC/BV/LE/	To check the IUT's behaviour concerning the connection oriented link establishment procedures
FT/LC/BV/LR/	To check the IUT's behaviour concerning the connection oriented link release procedures
FT/LC/BI/	To check the IUT in response to invalid LCE messages
FT/LC/TI/	To verify that the IUT LCE timers are with correct values and the IUT is reacting properly to the expiry of a timer
FT/IS	To check the IUT's behaviour during call independent supplementary service procedures
FT/IS/BV	To test the CISS entity of the IUT in response to syntactically and contextual correct behaviour of the test system
Detailed Comments:	
1) The sub-sub-groups with identifiers FT/xx/IT/ and FT/xx/CA/ do not include their own test cases but only list an appropriate selection of tests from the relevant sub-group with identifier FT/xx/.	

4.1.2 Test case index

Table 2

Test Case Index		
Test Group Reference	Test Case Id	Description
FT/CC/BV/OC/	TC_FT_CC_BV_OC_03	Verify that the IUT is able, prior to subscription, to perform a CC-state transition from state F-00 to state F-10 for an outgoing emergency call set-up
	TC_FT_CC_BV_OC_04	Verify that the IUT is able, when it has a subscription record for the requesting PT, to perform a CC-state transition from the F-00 state to F-10 state for an outgoing emergency call set-up
	TC_FT_CC_BV_OC_50	Verify that the IUT can correctly establish a following outgoing call from the LT when the LT has use TARI as the means to lock to the IUT
FT/CC/BV/CR/	TC_FT_CC_BV_CR_50	Verify that after completing the external handover call set-up procedure, the IUT can successfully perform the PT initiated normal CC release procedure
	TC_FT_CC_BV_CR_51	Verify that after completing the external handover call set-up procedure, the IUT can successfully perform the FT initiated normal CC release procedure
FT/CC/BV/HP/	TC_FT_CC_BV_HP_50	Verify that during the establishment of an outgoing call, the IUT transmits a valid <<Ext h/o indicator>> information element in a CC message
	TC_FT_CC_BV_HP_51	Verify that during the establishment of an incoming call, the IUT transmits a valid <<Ext h/o indicator>> information element in a CC message
	TC_FT_CC_BV_HP_52	Verify that during the establishment of an outgoing call, the IUT transmits a valid <<network parameter>> information element in a CC message
	TC_FT_CC_BV_HP_53	Verify that during the establishment of an incoming call, the IUT transmits a valid <<network parameter>> information element in a CC message
	TC_FT_CC_BV_HP_54	Verify that the IUT is able to perform the external handover call set-up procedure and successfully establishes the U-plane on the new connection
FT/MM/BV/LO/	TC_FT_MM_BV_LO_51	Verify that the IUT(FP) is able to transmit a LOCATE-ACCEPT message indicating <Lock limits> and <Time limits> within a <<DURATION>> information element
FT/MM/BV/AR/	TC_FT_MM_BV_AR_50	Verify that the IUT is able to successfully perform the On-air modification of user parameters procedure
FT/MM/BV/HP/	TC_FT_MM_BV_HP_50	Verify that the IUT responds with a valid MM_INFO-ACCEPT message to an MM-INFO-REQUEST message requesting "external handover parameters"
	TC_FT_MM_BV_HP_51	Verify that the IUT responds with a valid MM_INFO-ACCEPT message to an MM-INFO-REQUEST message requesting "handover reference"
	TC_FT_MM_BV_HP_52	Verify that after performing the external handover call set-up procedure on a ciphered connection, the IUT is able to successfully perform the PT initiated ciphering procedure on the new connection
	TC_FT_MM_BV_HP_53	Verify that after performing the external handover call set-up procedure on a ciphered connection, the IUT releases the new connection if ciphering fails on the new connection
	TC_FT_MM_BV_HP_54	Verify that after performing the external handover call set-up procedure, the IUT initiates and successfully performs the FT initiated ciphering procedure on the new connection
FT/IS/BV/	TC_FT_IS_BV_50	Verify that the IUT as part of a Message waiting indication activation procedure sends correctly a notification for message waiting
	TC_FT_IS_BV_51	Verify that the IUT as part of a Message waiting indication deactivation procedure sends correctly a notification with <numberOfMessages> equal to zero
Detailed Comments:		
1) The FT is the IUT.		

4.2 Data Link Control (DLC) layer

All test groups and test cases contained in the GAP PTS EN 300 494-3 [13] shall apply. There are no additional test groups and abstract test cases.

4.3 Medium Access Control (MAC) layer

This subclause includes lists of the test groups and the abstract test cases relevant for CAP PTS - MAC layer FT derived from EN 300 497-3 [16]. In addition all the test groups and abstract test cases relevant for GAP PTS, contained in EN 300 494-3 [13] shall apply.

4.3.1 Test suite structure

Table 3

Test Suite Structure	
Suite Name:	mac_ft
Standards Ref:	EN 300 824 [23]; EN 300 497-3 [16]
Profile ICS Ref:	DEN/DECT-040121
Profile IXIT Ref:	EN 300 494-3 [13]
Test Method:	remote (modified)
Comments:	
Test Group Reference	Test Group Objective
FT/	Verify the correct implementation of the FT (IUT) MAC layer
FT/DB/	Verify the correct implementation of the Downlink broadcast services
FT/DB/CA/	Limited testing that the observable capabilities of the IUT concerning the downlink broadcast service are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/DB/BV/	To test the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
FT/PG/	Verify the correct implementation of the paging services
FT/PG/CA/	Limited testing that the observable capabilities of the IUT concerning the paging services are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/PG/BV/	To test the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
FT/BS/	Verify the correct implementation of connection oriented bearer set-up procedures
FT/BS/CA/	Limited testing that the observable capabilities of the IUT concerning the connection oriented bearer set-up procedures are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/BS/BV/	To test the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
FT/BH/	Verify the correct implementation of connection oriented bearer handover procedures
FT/BH/CA/	Limited testing that the observable capabilities of the IUT concerning the connection oriented bearer handover procedures are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/BR/	Verify the correct implementation of connection oriented bearer release procedures
FT/BR/CA/	Limited testing that the observable capabilities of the IUT concerning the connection oriented bearer release procedures are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/DT/	Verify the correct implementation of connection oriented data transfer procedures
FT/DT/CA/	Limited testing that the observable capabilities of the IUT concerning the connection oriented data transfer procedures are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/DT/BI/	To check the behaviour of the of the IUT in response to invalid messages
FT/LM/	Verify the correct implementation of the LLME MAC layer management procedures
FT/LM/CA/	Limited testing that the observable capabilities of the IUT concerning the LLME MAC layer management procedures are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
Detailed Comments:	

4.3.2 Test case index

Table 4

Test Case Index		
Test Group Reference	Test Case Id	Description
FT/DB/CA/	TC_FT_DB_CA_50	Check that the IUT indicates correctly TARI support and successfully performs the non-continuous broadcast procedure when asked for a TARI which it does support
	TC_FT_DB_CA_51	Check that the IUT broadcasts the RFP status message at least once every 10 seconds
	TC_FT_DB_CA_52	Check that the IUT broadcasts the extended fixed part capabilities message at least once in every 8 multi frames
	TC_FT_DB_CA_53	Check that the IUT broadcasts the extended fixed part capabilities message with bit a40 set to 1
FT/BS/CA/	TC_FT_BS_CA_50	Verify the IUT is capable of performing a bearer set-up for emergency call using the emergency PMID
Detailed Comments:		
1) The FT is the IUT.		

4.4 Physical (PH) layer

The GAP PTS contained in EN 300 494-3 [13] shall apply.

5 Additional test cases list

5.1 Test purposes

This subclause includes all the test purposes developed for covering the CAP behaviour not included in the EN 300 497, Parts 1, 4 and 8 [14], [17], and [21], EN 300 176 [10] and EN 300 494-3 [13].

5.1.1 NWK layer

No additional test purposes.

5.1.2 DLC layer

No additional test purposes.

5.1.3 MAC layer

No additional test purposes.

5.1.4 PH layer

No additional test purposes.

5.2 Test cases

This subclause includes all test cases developed for covering the CAP behaviour not included in the EN 300 497, Parts 3, 5 and 9 [16], [18] and [22], EN 300 176 [10] and EN 300 494-3 [13].

5.2.1 NWK layer

No additional test cases.

5.2.2 DLC layer

No additional test cases.

5.2.3 MAC layer

No additional test cases.

5.2.4 PH layer

No additional test cases.

Annex A (normative): Profile Implementation eXtra Information for Testing (IXIT) proforma

A.1 General

This annex specifies restrictions on answers, and additional questions to (and is intended to be used with) the PIXIT proformas specified in EN 300 497, Parts 2, 3, 5, 8 and 9 [15], [16], [18], [21], and [22] and the GAP PTS PIXIT specified in EN 300 494-3 [13].

A.2 Profile IXIT Requirements List (XRL)

This subclause specifies restrictions on answers relevant to CAP PTS. If a question exists in the relevant DECT CI PIXIT or the GAP PTS PIXIT but is not listed in the tables of this subclause this means that such a question does not need modifications and is fully applicable for CAP.

A.2.1 NWK layer protocol

Table A.1

No.	Name	Parameter type	Explanation	Value
1	TSPX_cap_min_sync	BOOLEAN	Is CAP profile feature N1 supported with minimum sync. between FP?	
2	TSPX_complete_fixed_id_park_value_2	FIXED_ID_VALUE_TYPE	Value of fixed_id to be used for simulating a second FP	
3	TSPX_emergency_number	DECT_1_255	Emergency number to be sent by the LT for emergency call. (1 to 4 digits long)	
4	TSPX_emergency_number_length	INTEGER	Length of the emergency number to be sent by the LT	

A.2.2 DLC layer protocol

The GAP PTS PIXIT shall apply.

A.2.3 MAC layer protocol

Table A.2

No.	Name	Parameter type	Explanation	Value
1	TSPX_pmid_emergency	B_20	Emergency PMID of the lower tester	

A.2.4 PH layer protocol

The GAP PTS PIXIT shall apply.

A.3 Profile specific IXIT

This subclause contains additional information to the DECT CI PIXIT's and GAP PTS PIXIT's questions related to the requirements of the CAP Profile Specific Test Specification (PSTS).

A.3.1 NWK layer

No additions required.

A.3.2 DLC layer

No additions required.

A.3.3 MAC layer

No additions required.

A.3.4 PH layer

No additions required.

A.3.5 Configuration constraints

This subclause includes constraints on the configuration of the IUT to restrict its operation to the CAP Profile only.

No constraints on the configuration of the IUT required.

Annex B (normative): Profile Conformance Test Report (PCTR) proforma

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

B.1 Identification summary

B.1.1 Profile CTR

PCTR Number	
PCTR Date	
Test Laboratory	
Accreditation Status	
Accreditation Reference	
Technical Authority	
Job Title	
Signature	
Test Laboratory Manager	
Signature	

B.1.2 Implementation Under Test (IUT)

Name	
Version	
Protocol Specification	EN 300 824
Profile ICS	DEN/DECT-040121

B.1.3 Testing environment

Profile IXIT	EN 301 371-3
Profile Specific Test Specification	EN 301 371-3
ATM	Remote
MOT	
Period of testing	
Conformance Log reference	
Retention Date of Log reference	

B.1.4 Limits and reservations

The order of test cases listed in clause B.6 (if any) of this annex corresponds to the ordering of test cases defined in the PSTS referenced in subclause B.1.3. This does not indicate that the test cases were executed in this order.

The test results presented in this test report apply only to the particular IUT declared in subclause B.1.2, as presented for test in the period declared in subclauses B.1.3, and configured as declared in the relevant IXIT attached to this PCTR. This report shall not be reproduced except in full together with its attached ICS and IXIT.

NOTE: Additional information relevant to the technical contents or further use of the test report, or to the rights and obligations of the test laboratory and the client, may be given here. Such information may include restrictions on the publication of the report.

B.1.5 Comments

Additional comments may be given by either the client or test laboratory on any of the contents of the PCTR, for example, to note disagreement between the two parties.

Additional comments reference in annex:	
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B.2 IUT conformance status

IUT conformance status	Yes/No
The IUT conformance to the referenced base specification	

NOTE: For further details see ISO 9646-5, annex B, clause 2.

B.6 Test campaign report

The following table lists all the Test Cases (TC) referenced in clause 4 and required by the present document. The abbreviations used in the verdict column stand for Pass (P), Fail (F) and Inconclusive (I). In addition, all test cases for GAP in EN 300 494-3 shall apply.

NOTE: For further details see ISO 9646-5, annex B, clause 6.

B.6.1 NWK layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_FT_CC_BV_OC_03				
TC_FT_CC_BV_OC_04				
TC_FT_CC_BV_OC_50				
TC_FT_CC_BV_CR_50				
TC_FT_CC_BV_CR_51				
TC_FT_CC_BV_HP_50				
TC_FT_CC_BV_HP_51				
TC_FT_CC_BV_HP_52				
TC_FT_CC_BV_HP_53				
TC_FT_CC_BV_HP_54				
TC_FT_MM_BV_LO_51				
TC_FT_MM_BV_AR_50				
TC_FT_MM_BV_HP_50				
TC_FT_MM_BV_HP_51				
TC_FT_MM_BV_HP_52				
TC_FT_MM_BV_HP_53				
TC_FT_MM_BV_HP_54				
TC_FT_IS_BV_50				
TC_FT_IS_BV_51				

B.6.2 DLC layer

There are no additional test cases for CAP.

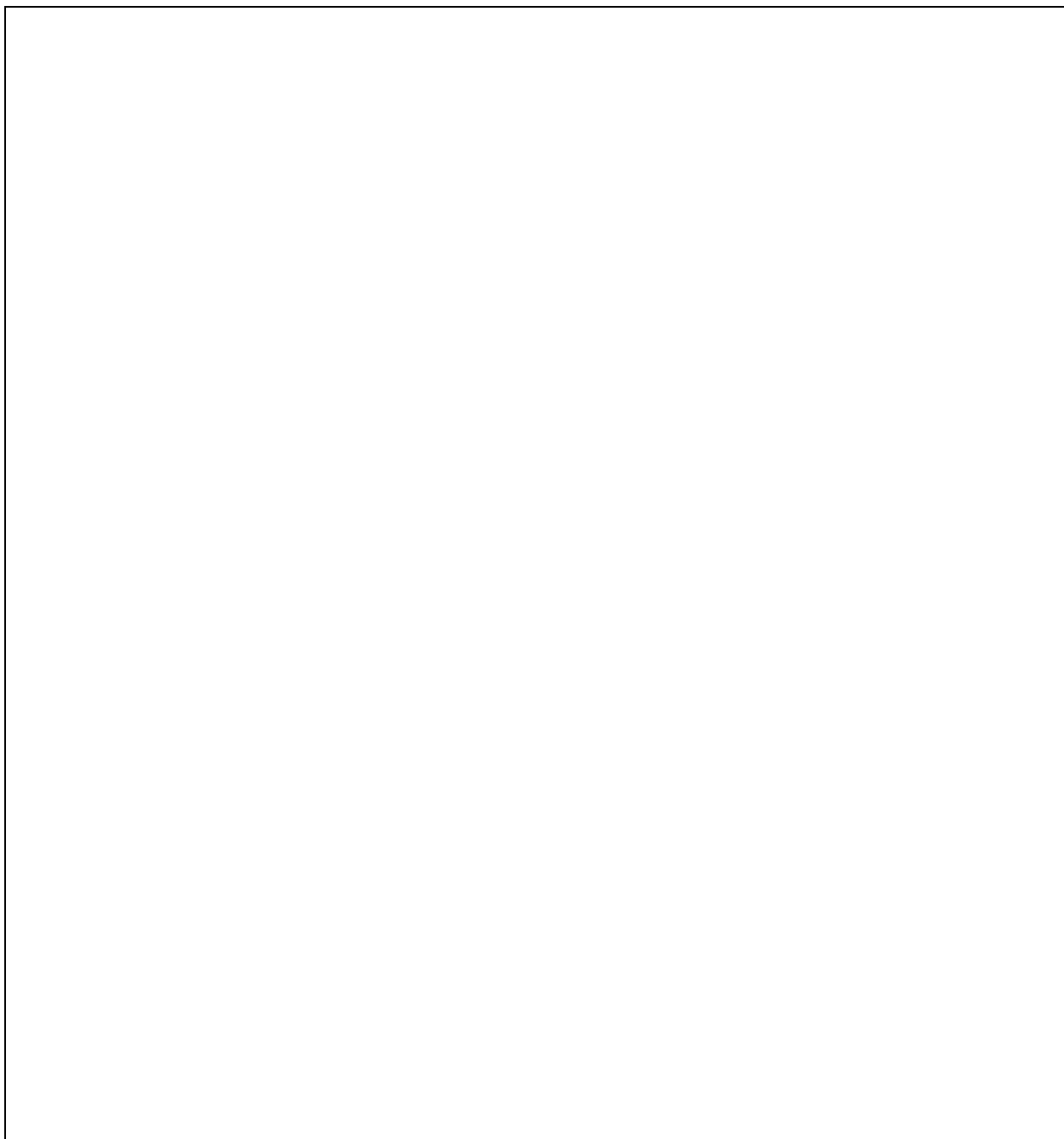
B.6.3 MAC layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_FT_DB_CA_50				
TC_FT_DB_CA_51				
TC_FT_DB_CA_52				
TC_FT_DB_CA_53				
TC_FT_BS_CA_50				

B.6.4 PH layer

There are no additional test cases for CAP.

B.7 Observations



NOTE: Additional information relevant to the technical content of the PCTR may be given here.

Annex C (normative): System Conformance Test Report (SCTR) proforma

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the SCTR proforma in this annex so that it can be used for its intended purposes and may further publish the completed SCTR.
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C.1 Identification summary

C.1.1 System Conformance Test Report (SCTR)

SCTR Number	
SCTR Date	
Test Laboratory Manager	
Signature	

C.1.2 Test laboratory

Identification	
Address	
Postal code/city	
Country	
Telephone	
Telefax	
Telex	
Teletex	
E-Mail	

C.1.3 Client

Identification	
Address	
Postal code/city	
Country	
Telephone	
Telefax	
Telex	
Teletex	
E-Mail	

C.1.4 System Under Test (SUT)

Name	
Version	
Supplier	
Dates of testing	
Date of receipt of SUT	
Location of SUT for Testing	
SCS Identifier	

C.1.5 Profile

Profile Identification	EN 300 824
Profile Version	
Profile ICS	DEN/DECT-040121
Profile Specific IXIT	EN 301 371-3
PTS-Summary	EN 301 371-1
PSTS	EN 301 371-3

C.1.6 Nature of conformance testing

The purpose of conformance testing is to increase the probability that different implementations can interwork in different environments. However, the complexity of OSI protocols makes exhaustive testing impractical on both technical and economic grounds. Furthermore, there is no guarantee that a SUT which has passed all the relevant test cases conforms to a specification. Neither is there any guarantee that such an SUT will interwork with other real open systems. Rather, passing the test cases gives confidence that the SUT has the stated capabilities and that its behaviour conforms consistently in representative instances of communication.

C.1.7 Limits and reservations

The test results presented in this test report apply only to the particular SUT and component IUTs declared in subclause C.1.4 and C.1.8, for the functionality described in the referenced SCS and in the ICS referenced in each PCTR, as presented for test in the period declared in subclause C.1.4 and configured as declared in the relevant IXIT referenced in each PCTR. This SCTR may not be reproduced except in full, together with its SCS.

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NOTE: Additional information may be given here relevant to the technical contents or further use of the test report, or to the rights and obligations of the test laboratory and the client. Such information may include restrictions on the publication of the report.

C.1.8 Record of agreement

A definition of what parts of the SUT were considered to be the IUT during testing, and of the abstract test method and abstract test suite that were used:

IUT Definition Reference	Protocol	ATM	ATS
	DECT NWK layer FT	Remote	EN 301 371-3
	DECT DLC layer FT	Not applicable	EN 301 371-3
	DECT MAC layer FT	Remote (modified)	EN 301 371-3
	DECT PH layer FT	Not applicable	EN 301 371-3

C.1.9 Comments

Additional comments reference in annex:	
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NOTE: Additional comments may be given by either the client or test laboratory on any of the contents of the SCTR, for example, to note disagreement between the two parties.

C.2 System report summary

C.2.1 Profile testing summary for CAP NWK layer FT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	EN 300 175-5 EN 300 824
Profile ICS	DEN/DECT-040121
Profile IXIT	EN 301 371-3
PCTR Number	
PCTR Date	
PSTS	EN 301 371-3
ATM	Remote
Means of Testing identifier	
Conformance Status	
Conformance Status	
Static conformance errors	Yes / No
Dynamic conformance errors	Yes / No
Test cases all	
Selected	
Run	
Passed	
Inconclusive	
Failed	
Observations	

NOTE: If the SUT is not statically and dynamically conforming to this protocol, an additional summary may be given on aspect of non conformance. Any difficulties encountered may be reported here.

C.2.2 Profile testing summary for CAP DLC layer FT

There is no additional profile testing for CAP DLC layer FT.

C.2.3 Profile testing summary for CAP MAC layer FT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	EN 300 175-3 EN 300 824
Profile ICS	DEN/DECT-040121
Profile IXIT	EN 301 371-3
PCTR Number	
PCTR Date	
PSTS	EN 301 371-3
ATM	Remote (modified)
Means of Testing identifier	
Conformance Status	
Conformance Status Static conformance errors Dynamic conformance errors	Yes / No Yes / No
Test cases all	
Selected	
Run	
Passed	
Inconclusive	
Failed	
Observations	

NOTE: If the SUT is not statically and dynamically conforming to this protocol, an additional summary may be given on aspect of non conformance. Any difficulties encountered may be reported here.

C.2.4 Profile testing summary for CAP PH layer FT

There is no additional profile testing for CAP PH layer FT.

Annex D (normative): System Conformance Statement (SCS) proforma

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the SCS proforma in this annex so that it can be used for its intended purposes and may further publish the completed SCS.
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D.1 Identification summary

D.1.1 SCS identification

SCS Serial Number	
SCS Date	

D.1.2 IUT identification

Trade Name	
Type	
Version	
Serial Number	

D.1.3 Client identification

Company	
Street Number	
Postal Code / City	
Country	
Contact Person Name	
Telephone	
Telefax	
Telex	
Teletex	
E-Mail	

D.1.4 Supplier identification

Company	
Street Number	
Postal Code / City	
Country	
Contact Person Name	
Telephone	
Telefax	
Telex	
Teletex	
E-Mail	

D.1.5 Manufacturer identification

(if different from client)

Company	
Street Number	
Postal Code / City	
Country	
Contact Person Name	
Telephone	
Telefax	
Telex	
Teletex	
E-Mail	

D.1.6 Protocols identification

Protocol Name	Specification Reference	PICS Reference	PCTR Reference	PCTR Reference from previous campaign
DECT NWK layer	EN 300 175-5	ETS 300 476	-	
DECT DLC layer	EN 300 175-4	ETS 300 476	-	
DECT MAC layer	EN 300 175-3	ETS 300 476	-	
DECT PH layer	EN 300 175-2	ETS 300 476	-	

D.1.7 Profile identification

Profile Identifier	Specification Reference	Profile ICS Specific Reference	SCTR Reference	SCTR reference from previous campaign
CTM Access Profile (CAP)	EN 300 824	DEN/DECT-040121	EN 301 371-1	

D.2 Miscellaneous system information

D.2.1 Configuration

Environment	Which one
CPU Type	
Bus-System	
Operating System Name	
Additional	

D.2.2 Other information

Bibliography

The following material, though not specifically referenced in the body of the present document (or not publicly available), gives supporting information.

- DEN/DECT-040121-1: "Digital Enhanced Cordless Telecommunications (DECT); Cordless Terminal Mobility (CTM); CTM Access Profile (CAP); Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma; Part 1: Portable radio Termination (PT)".
- DEN/DECT-040121-2: "Digital Enhanced Cordless Telecommunications (DECT); Cordless Terminal Mobility (CTM); CTM Access Profile (CAP); Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma; Part 2: Fixed radio Termination (FT)".
- EN 301 371-2: "Digital Enhanced Cordless Telecommunications (DECT); Cordless Terminal Mobility (CTM); CTM Access Profile (CAP); Profile Test Specification (PTS); Part 2: Profile Specific Test Specification (PSTS) - Portable radio Termination (PT)".

History

Document history				
V0.0.1	September 1998	Public Enquiry	PE 9901:	1998-09-04 to 1999-01-01
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