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Profile Test Specification (PTS);
Part 3: Profile Specific Test Specification (PSTS)
- Fixed radio Termination (FT)**

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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 General Access Profile (GAP) 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)".

Transposition dates	
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Date of latest announcement of this ETS (doa):	30 November 1996
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Date of withdrawal of any conflicting National Standard (dow):	31 May 1997

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1 Scope

This European Telecommunication Standard (ETS) contains the test specification for Digital Enhanced Cordless Telecommunications (DECT) Generic Access Profile (GAP) Fixed Part (FP) applications.

The main objective of the GAP 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 to 7 [9] to [15] is used as the basis for the test methodology, and as the basis for test case specification. This is considered as unsuitable for PH layer testing instead verbal description is used.

The test cases listed in this ETS have been derived from the ETS 300 497-1 [18]. In addition as far as Physical layer is concerned I-ETS 300 176 [16] applies. Additional GAP specific test cases are included where required. The Profile I-XIT is based on the DECT CI PIXITs specified in ETS 300 497-1 [18].

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 Technical Basis for Regulation 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: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] ETS 300 175-2: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer".
- [3] ETS 300 175-3: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] ETS 300 175-4: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
- [5] ETS 300 175-5: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".
- [6] ETS 300 175-6: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing".
- [7] ETS 300 175-7: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features".
- [8] ETS 300 444 (1995): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Generic Access Profile (GAP)".
- [9] 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)).

- [10] 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)).
- [11] 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)).
- [12] 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)).
- [13] 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)).
- [14] ISO/IEC 9646-6 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test specification".
- [15] ISO/IEC 9646-7 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation conformance statement".
- [16] I-ETS 300 176: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Approval test specification".
- [17] ETS 300 476-1: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 1: Network (NWK) layer - Portable radio Termination (PT)".
- [18] ETS 300 497-1: "Radio Equipment and Systems (RES); 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".
- [19] ETS 300 497-2: "Radio Equipment and Systems (RES); 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)".
- [20] ETS 300 497-3: "Radio Equipment and Systems (RES); 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)".
- [21] ETS 300 497-4: "Radio Equipment and Systems (RES); 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".
- [22] ETS 300 497-5: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Test Case Library (TCL); Part 5: Abstract Test Suite (ATS) - Data Link Control (DLC) layer".

- [23] ETS 300 497-6: "Radio Equipment and Systems (RES); 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)".
- [24] ETS 300 497-7: "Radio Equipment and Systems (RES); 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)".
- [25] ETS 300 497-8: "Radio Equipment and Systems (RES); 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)".
- [26] ETS 300 497-9: "Radio Equipment and Systems (RES); 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)".
- [27] ETS 300 474-1: "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; Part 1: Portable radio Termination (PT)".
- [28] ETS 300 494-1: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile Test Specification (PTS); Part 1: Summary".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this ETS, the following definitions apply:

- terms defined in ISO/IEC 9646 Parts 1 to 7 [9] to [15];
- definitions in ETS 300 175 Parts 1 to 7 [1] to [7];
- definitions in ETS 300 444 [8].

3.2 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

AC	Authentication Code
ATS	Abstract Test Suite
CC	Call Control
CI	Common Interface
DCK	Derived Cipher Key
DLC	Data Link Control
FT	Fixed radio Termination
GAP	Generic Access Profile
ICS	Implementation Conformance Statement
IPUI	International Portable User Identity
IUT	Implementation Under Test
IXIT	Implementation eXtra Information for Testing
LCE	Link Control Entity
LLME	Lower Layer Management Entity
LLN	Logical Link Number
MAC	Medium Access Control
MM	Mobility Management
NLF	New Link Flag
NWK	Network
PARK	Portable Access Rights Key
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
SARI	Secondary Access Rights Identity
SUT	System Under Test
TPUI	Temporary Portable User Identity
TS	Test System
TSS&TP	Test Suite Structure & Test Purposes

4 Relevant test cases list

4.1 Network (NWK) layer

This subclause includes lists of the test groups and abstract test cases relevant for GAP PTS - NWK layer Fixed Termination (FT) derived from ETS 300 497-9 [26].

The page number referenced is the relative page number in the corresponding ETS where the particular item can be found.

NOTE: As ETS 300 497-1 [18] is draft, and some changes are likely due to the results of the Public Enquiry (PE) phase, page numbers reflecting the exact place in that ETS where a test case is to be found are not included in this ETS. They shall be added in a later stage. References when necessary shall be made based on the particular test case name unique through all test specification ETS 300 497-1 [18].

4.1.1 Test suite structure

Table 1

Test Suite Structure	
Suite Name:	nwk_ft
Standards Ref:	ETS 300 444 [8]; ETS 300 497-9 [26]
Profile ICS Ref:	ETS 300 474 [27]
Profile IXIT Ref:	ETS 300 494-3
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 tests 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 setup an outgoing call
FT/CC/BV/IC/	To check the IUT's behaviours to setup 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/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 tests 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
	(continued)

Table 1 (concluded)

Test Suite Structure	
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/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 tests the LLME of the IUT in response to syntactically and contextual correct behaviour of the test system
FT/ME/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 LLME managed procedures
FT/LC/	To check the behaviour of the LCE of the IUT
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 tests 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
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_01	Outgoing normal call; F-00 to F-10; piece-wise dialling
	TC_FT_CC_BV_OC_06	Internal call. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
FT/CC/BV/IC/	TC_FT_CC_BV_IC_01	Incoming call; F-00, F-06, F-07 to F-10
FT/CC/BV/CI/	TC_FT_CC_BV_CI_01	Incoming call; <<Signal>> either in {SS-SETUP} or in {CC-INFO}
	TC_FT_CC_BV_CI_02	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "Go to pulse" handling
	TC_FT_CC_BV_CI_04	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "dialling pause" handling
	TC_FT_CC_BV_CI_05	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "Dialling pause" handling
	TC_FT_CC_BV_CI_06	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "Go to DTMF defined tone length" handling
	TC_FT_CC_BV_CI_07	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "Go to DTMF defined tone length" handling
	TC_FT_CC_BV_CI_08	Outgoing normal call; F-02; {CC-INFO}, <<Multi keypad>>, "Go to DTMF infinite tone length" handling
	TC_FT_CC_BV_CI_09	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "Go to DTMF infinite tone length" handling
	TC_FT_CC_BV_CI_10	Outgoing normal call; F-10; {CC-INFO}, <<Multi keypad>>, "0-9, star, hash mark" handling
	TC_FT_CC_BV_CI_11	Internal call. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
	TC_FT_CC_BV_CI_12	FT handling <<Terminal capability>>. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
FT/CC/BV/CR/	TC_FT_CC_BV_CR_01	Outgoing normal call; F-02; IUT initiated normal release
	TC_FT_CC_BV_CR_02	F-10; IUT initiated normal release
	TC_FT_CC_BV_CR_03	Incoming call; F-07; IUT initiated normal release
	TC_FT_CC_BV_CR_04	Outgoing call; F-02; PT initiated normal release
	TC_FT_CC_BV_CR_05	F-10; PT initiated normal release
	TC_FT_CC_BV_CR_06	Incoming call; F-07; PT initiated normal release
	TC_FT_CC_BV_CR_07	Incoming call; F-07; PT initiated abnormal release
	TC_FT_CC_BV_CR_08	F-10; PT initiated abnormal release
	TC_FT_CC_BV_CR_09	Incoming call; F-06; PT initiated abnormal release
	TC_FT_CC_BV_CR_10	F-10; PT initiated partial release
	TC_FT_CC_BV_CR_11	F-10; FT initiated partial release
FT/CC/RS/	TC_FT_CC_RS_01	Register recall. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
	TC_FT_CC_RS_07	Incoming call; T-00; {CC-SETUP}, <<Calling party number>> provision (CLIP support)
FT/CC/BO/	TC_FT_CC_BO_01	F-10; unexpected {CC-ALERTING}

(continued)

Table 2 (continued)

Test Case Index		
Test Group Reference	Test Case Id	Description
	TC_FT_CC_BO_02	F-19; receipt of {CC-RELEASE}; release collisions handling
FT/CC/BI/	TC_FT_CC_BI_01	F-00; {CC-SETUP} mandatory I.E. missing; answer upon with {CC-RELEASE-COM}
	TC_FT_CC_BI_02	F-00; {CC-SETUP} wrong mandatory I.E.; answer upon with {CC-RELEASE-COM}
	TC_FT_CC_BI_03	F-00; {CC-SETUP}-like message, non {CC-SETUP} unrecognised message type; ignore
	TC_FT_CC_BI_04	F-00; to short message to contain the complete <<Message type>>; ignore
FT/CC/TI/	TC_FT_CC_TI_01	Outgoing call; F-02; timer F-<CC.01> expiry ($\pm 5\%$ margin); IUT sends {CC-RELEASE}
	TC_FT_CC_TI_02	Outgoing call; F-02; restart of timer F-<CC.01> on receipt of {CC-INFO}
	TC_FT_CC_TI_03	Outgoing call; F-19; timer F-<CC.02> expiry ($\pm 5\%$ margin); IUT sends {CC-RELEASE-COM}
	TC_FT_CC_TI_04	Outgoing call; F-06; timer F-<CC.03> expiry ($\pm 5\%$ margin); IUT sends {CC-RELEASE-COM}
FT/MM/BV/ID/	TC_FT_MM_BV_ID_01	Identity request procedure; IUT initiated
FT/MM/BV/AU/	TC_FT_MM_BV_AU_01	Authentication of PT; PT has no stored ZAP value and service class info
	TC_FT_MM_BV_AU_02	Authentication of PT; ZAP increment; PT has stored ZAP value and service class info; PT authenticates FT before answering
	TC_FT_MM_BV_AU_03	Authentication of user; PT has no stored ZAP value and service class info
	TC_FT_MM_BV_AU_04	Authentication of FT
	TC_FT_MM_BV_AU_05	Authentication of FT; Unsupported key requested; IUT rejects
	TC_FT_MM_BV_AU_06	Authentication of PT; store DCK ; PT has no stored ZAP value and service class info
FT/MM/BV/LO/	TC_FT_MM_BV_LO_01	Location registration; a38=1 at locking and at the beginning of the procedure; request with IPUi
	TC_FT_MM_BV_LO_02	Location registration; a38=1 at locking and at the beginning of the procedure; request with unknown IPUi; reject
	TC_FT_MM_BV_LO_03	Location registration; a38=1 at locking and at the beginning of the procedure; request with IPUi; IUT assigns TPUI
	TC_FT_MM_BV_LO_05	Location update; a38=1 at locking; {MM-INFO-SUGGEST};
	TC_FT_MM_BV_LO_06	Location registration; a38=1 at locking; a38=0 at the beginning of the procedure; request with IPUi
FT/MM/BV/AR/	TC_FT_MM_BV_AR_01	Obtain access rights; both sides use AC indication; IUT sends the whole PARK
	TC_FT_MM_BV_AR_02	Obtain access rights; service class assign
	TC_FT_MM_BV_AR_03	Terminate access rights; IUT(FT) initiated; PT authenticates FT
	TC_FT_MM_BV_AR_06	Obtain access rights; both sides use UAK indication; IUT sends the whole PARK
	TC_FT_MM_BV_AR_07	Obtain access rights; ZAP value assign
FT/MM/BV/KA/	TC_FT_MM_BV_KA_01	Key allocate; IUT initiated

(continued)

Table 2 (continued)

Test Case Index		
Test Group Reference	Test Case Id	Description
	TC_FT_MM_BV_KA_02	Key allocate; IUT initiated; "implicit PT authentication" failure; IUT rejects
	TC_FT_MM_BV_KA_03	Key allocate; IUT initiated; PT rejects; IUT keeps AC
FT/MM/BV/CH/	TC_FT_MM_BV_CH_01	Cipher switching; PT initiated; "cipher-off" to "cipher-on"
	TC_FT_MM_BV_CH_02	Cipher switching; PT initiated; "cipher-on" to "cipher-off"
	TC_FT_MM_BV_CH_03	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on"
	TC_FT_MM_BV_CH_04	Cipher switching; IUT(FT) initiated; "cipher-on" to "cipher-off"
	TC_FT_MM_BV_CH_05	Cipher switching; PT initiated with "unsupported cipher key"; IUT rejects
FT/MM/BO/	TC_FT_MM_BO_01	Cipher switching; IUT(FT) initiated; ignoring unexpected {IDENTITY-REPLY}
FT/MM/BI/	TC_FT_MM_BI_01	Identity request; PT sends unrecognised message; IUT ignores
	TC_FT_MM_BI_02	Obtain access rights; {ACCESS-RIGHTS-REQUEST} missing <<Auth type>>; IUT sends {ACCESS-RIGHTS-REJECT}
	TC_FT_MM_BI_03	Obtain access rights; {ACCESS-RIGHTS-REQUEST} with <<Auth type>> exceeding the max. allowed length; IUT sends {ACCESS-RIGHTS-REJECT}
FT/MM/TI/	TC_FT_MM_TI_01	Identity request; timer F-<MM_ident.2> expiry ($\pm 5\%$ margin)
	TC_FT_MM_TI_02	Authentication of PT; timer F-<MM_auth.1> expiry ($\pm 5\%$ margin)
	TC_FT_MM_TI_03	Authentication of user; timer F-<MM_auth.2> expiry ($\pm 5\%$ margin)
	TC_FT_MM_TI_04	Terminate access rights; IUT(FT) initiated; timer F-<MM_access.2> expiry ($\pm 5\%$ margin)
	TC_FT_MM_TI_05	Key allocation; timer F-<MM_key.1> expiry ($\pm 5\%$ margin)
	TC_FT_MM_TI_06	Cipher switching; IUT(FT) initiated; timer F-<MM_cipher.1> expiry ($\pm 5\%$ margin)
	TC_FT_MM_TI_07	Location registration with TPUI assignment; timer F-<MM_ident.1> expiry ($\pm 5\%$ margin)
FT/ME/BV/	TC_FT_ME_BV_01	Incoming call and authentication of FT handled in parallel
	TC_FT_ME_BV_02	Authentication of user interrupted by Authentication of FT
	TC_FT_ME_BV_03	CC call and location registration in parallel
FT/ME/BO/	TC_FT_ME_BO_01	Authentication of PT; Ignore of {LOCATE-REQUEST} (lower priority)

(continued)

Table 2 (concluded)

Test Case Index		
Test Group Reference	Test Case Id	Description
FT/LC/BV/LE/	TC_FT_LC_BV_LE_01	Indirect IUT(FT) link establishment procedure; correct PT answer
	TC_FT_LC_BV_LE_02	Indirect IUT(FT) link establishment procedure; {LCE-PAGE-RESPONSE} with mismatching IPUI; IUT rejects and release the link
	TC_FT_LC_BV_LE_03	Direct PT initiated link establishment procedure
FT/LC/BV/LR/	TC_FT_LC_BV_LR_01	Link exists; PT initiated "normal" link release
	TC_FT_LC_BV_LR_02	Link exists; MM entity ceases to use the link; no other entity uses the link; IUT maintains the link <LCE.02> time
	TC_FT_LC_BV_LR_03	Link exists; CC call is terminated; FT initiated link release
	TC_FT_LC_BV_LR_04	Link exists; CC entity ceases to use the link partial release agreed; no other entity uses the link; IUT maintains the link <LCE.02> time
FT/LC/BI/	TC_FT_LC_BI_01	Protocol discriminator value error -unsupported service; IUT ignores
	TC_FT_LC_BI_04	{AUTH-REQUEST} with illegal transaction id.; ignore
	TC_FT_LC_BI_05	Identity request procedure; {IDENTITY-REPLY} with transaction id. flag='0'; ignore
	TC_FT_LC_BI_07	F-10; link fails; IUT clears the call
FT/LC/TI/	TC_FT_LC_TI_01	Link exists; normal link release is requested; timer <LCE.01> expiry. (There is no test case defined in ETS 300 497-9 [26] due to difficulties of predicting the IUT behaviour)
	TC_FT_LC_TI_02	MM ceases to use the link; no other entity uses the link; timer <LCE.02> expiry ($\pm 5\%$ margin)
	TC_FT_LC_TI_03	Indirect IUT(FT) initiated link establishment; no answer; timer <LCE.03> expiry ($\pm 5\%$ margin)
Detailed Comments:		
1. The FT is the IUT.		

4.2 Data Link Control (DLC) layer

This subclause includes list of the abstract test cases relevant for GAP PTS - DLC layer FT derived from ETS 300 497-5 [22].

The page number referenced is the relative page number in the corresponding ETS where the particular item can be found.

4.2.1 Test suite structure

Table 3

Test Suite Structure	
Suite Name:	DLC
Standards Ref:	ETS 300 444 [8]; ETS 300 497-5 [22]
Profile ICS Ref:	ETS 300 474 [27]
Profile IXIT Ref:	ETS 300 494-3
Test Method:	remote
Comments:	
Test Group Reference	Test Group Objective
DLC/	Verify the correct implementation of the FT (IUT) DLC layer
DLC/C_Plane/	Verify the correct implementation of the C-plane data link services
DLC/C_Plane/ClassA/	Verify the correct implementation of the LAPC's Class A acknowledged transfer operation
DLC/C_Plane/ClassA/CA/	Limited testing that the observable capabilities of the IUT concerning the LAPC's Class A acknowledged transfer operation are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
DLC/C_Plane/ClassA/BV/	To tests the behaviour of the IUT in response to syntactically and contextual correct behaviour of the test system
DLC/C_Plane/ClassA/BI/	To check the behaviour of the of the IUT in response to invalid frames
DLC/C_Plane/Lb/	Verify the correct implementation of the Lb (C-plane broadcast control) entity
DLC/C_Plane/Lb/CA/	Limited testing that the observable capabilities of the IUT concerning the Lb (C-plane broadcast control) entity are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
DLC/U_Plane/	Verify the correct implementation of the U-plane services
DLC/U_Plane/Class0/	Verify the correct implementation of the Class 0 transmission class
DLC/U_Plane/Class0/CA/	Limited testing that the observable capabilities of the IUT concerning the Class 0 transmission class service are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
Detailed Comments:	

4.2.2 Test case index

Table 4

Test Case Index			
Test Group Reference	Test Case Id	Description	
DLC/C_Plane/ClassA/CA/	TC_A_CA_005	I-Frame acknowledgement within timer <DL-04>	
	TC_A_CA_006	re-transmission of an I-Frame N250 times	
	TC_A_CA_007	refusal of a Class B link establishment RR response frame with the reserved LLN value "Class A operation" and NLF bit set to "1"; Class A established state	
	TC_A_CA_008	Class A establishment request; responding and entering into Class A established state	
DLC/C_Plane/ClassA/BV/	TC_A_BV_002	I-Frame acknowledgement; sending RR response frame with correct N(R)	
	TC_A_BV_003	I-Frame acknowledgement; accepting an I-Frame command with correct N(S) and N(R) values as an acknowledgement.	
	TC_A_BV_004	re-establishment request acceptance; Class A established state	
	TC_A_BV_005	timer re transmission phase; acceptance of a RR response frame with correct N(R) value as an acknowledgement	
	TC_A_BV_006	timer re transmission phase; acceptance of an I-Frame command with correct N(S) and N(R) values as an acknowledgement	
	TC_A_BV_007	connection handover; PT initiated intracell	
	TC_A_BV_008	connection handover; PT initiated intercell	
	DLC/C_Plane/ClassA/BI/	TC_A_BI_004	information transfer phase; discarding RR response frame, LLN indicates B-class, invalid N(R); re-transmission the unacknowledged I-Frame
TC_A_BI_005		information transfer phase; discarding RR response frame, NLF='0', invalid N(R); re-transmission the unacknowledged I-Frame	
TC_A_BI_006		received I-Frame with invalid N(R); <DL-04> expiry; re-transmission the unacknowledged I-Frame with updated N(R)	
TC_A_BI_007		receipt of an I-Frame with invalid N(S); sending RR response frame with the expected N(S); stops, if necessary, DL_04 according to the received N(R)	
TC_A_BI_008		receipt of an I-Frame with invalid N(S) and invalid N(R); RR response frame transmission; unacknowledged I-Frame re-transmission	
TC_A_BI_009		timer re transmission phase; discarding RR response frame, LLN indicates Class-B, NLF='0', invalid N(R); re-transmission the unacknowledged I-Frame	
TC_A_BI_011		timer re transmission phase; accepting I-Frame with invalid N(R);<DL-04> expiry; re-transmits the unacknowledged I-Frame with updated N(R)	
			(continued)

Table 4 (concluded)

Test Case Index		
Test Group Reference	Test Case Id	Description
	TC_A_BI_012	timer re transmission phase; receipt of an I-Frame with invalid N(S); RR response frame, expected N(S); leaves timer re transmission phase
	TC_A_BI_013	re transmission phase; receipt of an I-Frame with invalid N(S) and invalid N(R);sending a RR response frame, expected N(S); re-transmits the unacknowledged I-Frame
DLC/C_Plane/Lb/CA/	TC_L_CA_000	generate a short broadcast frame (3 octets)
DLC/U_Plane/Class0/CA/	TC_0_CA_000	IUT transmission of a correct U-plane Class 0 frame
	TC_0_CA_001	IUT reception of a correct U-plane Class 0 frame
Detailed Comments:		
1. The FT is the IUT.		

4.3 Medium Access Control (MAC) layer

This subclause includes list of the abstract test cases relevant for GAP PTS - MAC FT layer derived from ETS 300 497-3 [20].

The page number referenced is the relative page number in the corresponding ETS where the particular item can be found.

4.3.1 Test suite structure

Table 5

Test Suite Structure	
Suite Name:	mac_ft
Standards Ref:	ETS 300 444 [8]; ETS 300 497-3 [20]
Profile ICS Ref:	ETS 300 474 [27]
Profile IXIT Ref:	ETS 300 494-3
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 tests 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 tests 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 setup procedures
FT/BS/CA/	Limited testing that the observable capabilities of the IUT concerning the connection oriented bearer setup procedures are in accordance with the static conformance requirements and the additional capabilities claimed in the PROFILE ICS/PROFILE IXIT
FT/BS/BV/	To tests 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/BH/BV/	To tests the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
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
	(continued)

Table 5 (concluded)

Test Suite Structure	
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/BV/	To tests the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
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 6

Test Case Index		
Test Group Reference	Test Case Id	Description
FT/DB/CA/	TC_FT_DB_CA_00	Active_idle; NT message in frame 14
	TC_FT_DB_CA_01	Active_idle; NT message in frame 0 every T205 seconds
	TC_FT_DB_CA_02	Active_idle; QT message in frame 8; each multiframe
	TC_FT_DB_CA_03	Active_idle; static system information in QT message in frame 8; each 8 multiframe
	TC_FT_DB_CA_04	Active_idle; fixed part capabilities in QT message in frame 8; each 8 multiframe
	TC_FT_DB_CA_05	Active_idle; multiframe number in QT message in frame 8; each 8 multiframe
	TC_FT_DB_CA_06	Active_idle; SARI list in QT message in frame 8; each 4 multiframe
	TC_FT_DB_CA_07	Active_idle; Extended carrier information in QT message in frame 8; multiframe after the one containing the Static system information
FT/DB/BV/	TC_FT_DB_BV_03	Active_idle; SARI exists; NT message; E-bit indicating SARI available
FT/PG/CA/	TC_FT_PG_CA_00	Active_idle; paging; short page message transmission
	TC_FT_PG_CA_01	Active_idle; zero page message transmission
FT/PG/BV/	TC_FT_PG_BV_01	Active_idle; blind slot announcement every 10s
FT/BS/CA/	TC_FT_BS_CA_00	Active_idle; PT initiated single bearer setup
FT/BS/BV/	TC_FT_BS_BV_00	Active_traffic/Active_traffic_and_idle; duplex bearer; T201 expiry; bearer release
FT/BH/CA/	TC_FT_BH_CA_00	Active_traffic/Active_traffic_and_idle; PT initiated intracell bearer handover
	TC_FT_BH_CA_01	Active_traffic/Active_traffic_and_idle; PT initiated intercell bearer handover
FT/BH/BV/	TC_FT_BH_BV_00	Active_traffic/Active_traffic_and_idle; encryption enabled; PT initiated intracell bearer handover
	TC_FT_BH_BV_01	Active_traffic/Active_traffic_and_idle; encryption enabled; PT initiated intercell bearer handover
FT/BR/CA/	TC_FT_BR_CA_00	Active_traffic/Active_traffic_and_idle; unacknowledged release; release message received
FT/DT/CA/	TC_FT_DT_CA_00	Active_traffic/Active_traffic_and_idle; CS segment re-transmission till acknowledgement in the same ARQ window
	TC_FT_DT_CA_01	Active_traffic/Active_traffic_and_idle; no transmission of new CS segment before acknowledgement
	TC_FT_DT_CA_02	Active_traffic/Active_traffic_and_idle; numbering of the CS segments
	TC_FT_DT_CA_03	Active_traffic/Active_traffic_and_idle; basic connection; switch on encryption mode
	TC_FT_DT_CA_04	Active_traffic/Active_traffic_and_idle; basic connection; switch off encryption mode
		(continued)

Table 6 (concluded)

Test Case Index		
Test Group Reference	Test Case Id	Description
FT/DT/BV/	TC_FT_DT_BV_00	Active_traffic/Active_traffic_and_idle; basic connection; switch on encryption mode failure; connection release
	TC_FT_DT_BV_01	Active_traffic/Active_traffic_and_idle; basic connection; switch off encryption mode failure; connection release
FT/DT/BI/	TC_FT__DT_BI_00	Active_traffic/Active_traffic_and_idle; IN_minimum_delay data, A-field R-CRC error handling; respond Q2=0
	TC_FT_DT_BI_01	Active_traffic/Active_traffic_and_idle; IN_minimum_delay data transfer; Z-field error; Q1&Q2 setting
FT/LM/CA/	TC_FT_LM_CA_05	Active_traffic/Active_traffic_and_idle; bearer handover; bearer release within T203 sec
Detailed Comments:		
1. The FT is the IUT.		

4.4 Physical (PH) layer

For PH layer capabilities testing I-ETS 300 176 [16] shall apply with the modifications in the following subclauses.

4.4.1 Manufacturer declarations

The support of the following GAP PH layer requirements shall be explicitly given as manufacturer declaration in ETS 300 474 [27].

Table 7

No	ETS 300 444 [8]	DESCRIPTION	Status FT
1	11.1	Full slot for speech information	M
2	11.5	Sliding collision detection	M
3	11.6	Physical channel availability	M

4.4.2 Normal Transmitted Power (NTP)

In addition to the test described I-ETS 300 176 [16], clause 10 the following requirements shall apply.

4.4.2.1 Verdict criteria for IUTs with an integral antenna

The NTP, as measured, shall be greater than 80 mW per simultaneously active transceiver at both nominal and extreme temperatures. The test method is described in I-ETS 300 176 [16], subclause 10.2.

4.4.2.2 Verdict criteria for IUTs with external antenna connection(s)

The NTP, as measured, shall be greater than 80 mW per simultaneously active transceiver at both nominal and extreme temperatures. The test method is described in I-ETS 300 176 [16], subclause 10.3.

4.4.3 RFP radio receiver sensitivity

The following additional requirement applies to I-ETS 300 176 [16], subclause 13.1.3, item b):

"The LT shall be programmed to set its RF transmission to a power level such that - 86 dBm shall be present at the input of the IUT receiver".

4.4.4 Radio receiver interference performance

The following modification applies to I-ETS 300 176 [16], subclause 13.3.3, item f):

Table 8

Interferer on RF channel "Y"	Interferer signal strength	
	(dBµV/m)	(dBm)
Y = M ± 1	83	- 60

4.4.5 Receiver intermodulation performance

The following modification applies to I-ETS 300 176 [16], subclause 13.6.3, item g):

The level of carriers "B" and "A" shall be set to - 47 dBm at the receiver input of the IUT.

5 Additional test cases list

5.1 Test purposes

This subclause includes all the test purposes developed for covering the GAP behaviour not included in the ETS 300 497, Parts 1, 4, 6 and 7 [18], [21], [23] and [24] and I-ETS 300 176 [16].

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

This subclause includes all the test purposes developed for covering the GAP behaviour not included in I-ETS 300 176 [16].

Table 9

Nr.	Test purpose	Comment
GAP/PH-1	Receive operation on maximum and minimum transmitter deviation	
GAP/PH-2	IUT transmits the Z-field	

5.2 Test cases

This subclause includes all test cases developed for covering the GAP behaviour not included in the ETS 300 497, Parts 2, 3, 5, 8 and 9 [19], [20], [22], [25] and [26] and I-ETS 300 176 [16].

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

5.2.4.1 Receiver sensitivity tolerance of transmitter deviation variations

The purpose of this test is to ensure that the required radio receiver sensitivity is achieved over the range of transmitter deviation levels permitted by the DECT specification.

The measurement method is the same as that used for radio receiver sensitivity testing in I-ETS 300 176 [16], subclause 13.1, item a).

5.2.4.1.1 Definition

The "nominal sensitivity" is defined as the power level specified in the GAP at which the bit error ratio must be 0,001 or less.

Maximum transmitter deviation is defined as a signal whose peak deviation is 403 kHz (+0 % - 10 %). Minimum transmitter deviation is defined as a signal whose peak deviation is 259 kHz (+10 % - 0 %). These deviations are measured while transmitting the D-M2 modulation signal (see I-ETS 300 176 [16], subclause 5.8.4.4, item a).

The radio receiver sensitivity tolerance of transmitter deviation variations is defined as the reduction in sensitivity (expressed as a power level) when the transmitter deviation is adjusted to each extreme value. The tolerance shall be 2dBm or less.

5.2.4.1.2 Test environment

The test should preferably take place at a test site, otherwise a test fixture or temporary connector shall be used.

If the EUT has an antenna connector then it shall be used to connect the EUT to the LT.

The test shall take place under nominal supply voltage conditions and at a nominal temperature.

5.2.4.1.3 Method of measurement

- a) The EUT shall be oriented in the reference position as determined in I-ETS 300 176 [16], subclause 5.11.3, item a) if no antenna connector is available;
- b) the LT shall be programmed to set its RF transmission to a power level such that a power level equal to the (nominal sensitivity +2 dBm shall be present at the input of the EUT receiver;
- c) the LT shall be programmed to set its RF transmitter deviation to maximum;
- d) the LT shall place the EUT in a mode whereby the EUT is positioned in a LT specified slot and RF channel $c = 5$. If so equipped, the handover function in the EUT shall be disabled;
- e) the EUT shall be placed in a test mode whereby it performs the loopback function;
- f) a test modulation signal D-M2 (see I-ETS 300 176 [16], subclause 5.8.4.4, item a) is generated by the LT;
- g) the LT shall calculate the BER of the EUT, testing at least 1.6 million bits;
- h) the LT shall set its RF transmitter deviation to minimum and repeat parts d) to g);
- i) parts b) to h) shall be repeated for RF channels $c = 0$ and 9.

5.2.4.1.4 Verdict criteria

The BER of the EUT as measured shall be less than or equal to 0,001 for the duration of this test.

5.2.4.2 Transmission of Z-field

The purpose of this test is to ensure that the EUT is correctly transmitting a Z-field.

5.2.4.2.1 Definition

No additional definition applies for this test.

5.2.4.2.2 Test environment

The test shall take place at a test site or in a test fixture.

If the EUT has an antenna connector then it shall be used to connect the EUT to the LT.

The test shall take place under nominal supply voltage conditions and at a nominal temperature.

5.2.4.2.3 Method of measurement

- a) The LT shall place the EUT in a mode whereby the EUT is positioned in a LT specified slot and RF channel $c = 5$;
- b) the EUT shall be placed in a test mode whereby it performs the loopback function;
- c) a test modulation signal D-M2 (see I-ETS 300 176 [16], subclause 5.8.4.4, item a) is generated by the LT;
- d) the LT demodulates 10 received physical packets from the EUT and compares the received X and Z fields.

5.2.4.2.4 Verdict criteria

The X and Z fields shall be identical for all 10 received physical packets.

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 ETS 300 497, Parts 2, 3, 5, 8 and 9 [19], [20], [22], [25], and [26].

A.2 Profile IXIT Requirements List (XRL)

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

A.2.1 NWK layer protocol

A.2.1.1 Addresses

Table 1

No.	SAP addresses	
	To IUT	To TS
Comments:		
1. No restrictions or modifications required.		

A.2.1.2 Parameter values

Table 2

No.	Parameter name	Parameter value	Profile ICS clause	Parameter range	Parameter value	Comment
Detailed comments:						
1. No restrictions or modifications required.						

A.2.1.3 Timer values

Table 3

No.	Timer Name Type	Profile ICS clause	Timer range	Timer value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.1.4 Counters values

Table 4

No.	Counter Name Type	Profile ICS clause	Counter range	Counter value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.1.5 Protocol constants values

Table 5

No.	Constant name	Profile ICS clause	Constant value	Comment
Detailed comments:				
1. No restrictions or modifications required.				

A.2.1.6 Control of Protocol Data Units (PDU) sending

This subclause identifies requirements for testing, placed by the PTS specification which may not be realisable by the SUT resulting in abstract test cases which cannot be executed (e.g. unsatisfiable Implicit send events).

No restrictions or modifications required.

A.2.2 DLC layer protocol

A.2.2.1 Addresses

Table 6

No.	SAP addresses	
	To IUT	To TS
Comments:		
1. No restrictions or modifications required.		

A.2.2.2 Parameter values

Table 7

No.	Parameter name	Parameter value	Profile ICS clause	Parameter range	Parameter value	Comment
Detailed comments:						
1. No restrictions or modifications required.						

A.2.2.3 Timer values

Table 8

No.	Timer Name Type	Profile ICS clause	Timer range	Timer value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.2.4 Counters values

Table 9

No.	Counter Name Type	Profile ICS clause	Counter range	Counter value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.2.5 Protocol constants values

Table 10

No.	Constant name	Profile ICS clause	Constant value	Comment
Detailed comments:				
1. No restrictions or modifications required.				

A.2.2.6 Control of PDU sending

No restrictions or modifications required.

A.2.3 MAC layer protocol

A.2.3.1 Addresses

Table 11

No.	SAP addresses	
	To IUT	To TS
Comments:		
1. No restrictions or modifications required.		

A.2.3.2 Parameter values

Table 12

No.	Parameter name	Parameter value	Profile ICS clause	Parameter range	Parameter value	Comment
Detailed comments:						
1. No restrictions or modifications required.						

A.2.3.3 Timer values

Table 13

No.	Timer Name Type	Profile ICS clause	Timer range	Timer value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.3.4 Counters values

Table 14

No.	Counter Name Type	Profile ICS clause	Counter range	Counter value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.3.5 Protocol constants values

Table 15

No.	Constant name	Profile ICS clause	Constant value	Comment
Detailed comments:				
1. No restrictions or modifications required.				

A.2.3.6 Control of PDU sending

No restrictions or modifications required.

A.2.4 PH layer protocol

A.2.4.1 Addresses

Table 16

No.	SAP addresses	
	To IUT	To TS
Comments:		
1. No restrictions or modifications required.		

A.2.4.2 Parameter values

See subclause 4.4.

A.2.4.3 Timer values

Table 17

No.	Timer Name Type	Profile ICS clause	Timer range	Timer value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.4.4 Counters values

Table 18

No.	Counter Name Type	Profile ICS clause	Counter range	Counter value	Comment
Detailed comments:					
1. No restrictions or modifications required.					

A.2.4.5 Protocol constants values

Table 19

No	Constant name	Profile ICS clause	Constant value	Comment
Detailed comments:				
1. No restrictions or modifications required.				

A.2.4.6 Control of PDU sending

Not applicable.

A.3 Profile specific IXIT

This subclause contains additional information to the DECT CI PIXITs questions related to the requirements of the GAP 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

Table 20

No.	Parameter name	Parameter value	Profile ICS clause	Parameter range	Parameter value	Comment
Detailed comments: For further study.						

A.3.5 Configuration constraints

This subclause includes constraints on the configuration of the IUT to restrict its operation to the GAP 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 this ETS, ETSI grants that users of this ETS 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 PCTR

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	ETS 300 444 [8]
Profile ICS	ETS 300 474 [27]

B.1.3 Testing environment

Profile IXIT	ETS 300 494-1 [28]
Profile Specific Test Specification	ETS 300 494-1 [28]
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:	

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 [13], annex B, clause 2.

B.3 Static conformance summary

Static conformance summary	Yes/No
The ICS for this IUT consistency with the static conformance requirements in the referenced base specification.	

NOTE: For further details see ISO 9646-5 [13], annex B, clause 3.

B.4 Dynamic conformance summary

Dynamic conformance summary	Yes/No
Errors in the IUT revealed by the test campaign.	

NOTE: For further details see ISO 9646-5 [13], annex B, clause 4.

B.6.1 NWK layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_FT_CC_BV_OC_01				
TC_FT_CC_BV_OC_06				
TC_FT_CC_BV_IC_01				
TC_FT_CC_BV_CI_01				
TC_FT_CC_BV_CI_02				
TC_FT_CC_BV_CI_04				
TC_FT_CC_BV_CI_05				
TC_FT_CC_BV_CI_06				
TC_FT_CC_BV_CI_07				
TC_FT_CC_BV_CI_08				
TC_FT_CC_BV_CI_09				
TC_FT_CC_BV_CI_10				
TC_FT_CC_BV_CI_11				
TC_FT_CC_BV_CI_12				
TC_FT_CC_BV_CR_01				
TC_FT_CC_BV_CR_02				
TC_FT_CC_BV_CR_03				
TC_FT_CC_BV_CR_04				
TC_FT_CC_BV_CR_05				
TC_FT_CC_BV_CR_06				
TC_FT_CC_BV_CR_07				
TC_FT_CC_BV_CR_08				
TC_FT_CC_BV_CR_09				
TC_FT_CC_BV_CR_10				
TC_FT_CC_BV_CR_11				
TC_FT_CC_RS_01				
TC_FT_CC_RS_07				
TC_FT_CC_BO_01				
TC_FT_CC_BO_02				
TC_FT_CC_BI_01				
TC_FT_CC_BI_02				
TC_FT_CC_BI_03				
TC_FT_CC_BI_04				
TC_FT_CC_TI_01				
TC_FT_CC_TI_02				
TC_FT_CC_TI_03				
TC_FT_CC_TI_04				
TC_FT_MM_BV_ID_01				
TC_FT_MM_BV_AU_01				
TC_FT_MM_BV_AU_02				
TC_FT_MM_BV_AU_03				
TC_FT_MM_BV_AU_04				
TC_FT_MM_BV_AU_05				
TC_FT_MM_BV_AU_06				
TC_FT_MM_BV_LO_01				
TC_FT_MM_BV_LO_02				
TC_FT_MM_BV_LO_03				
TC_FT_MM_BV_LO_05				
TC_FT_MM_BV_LO_06				
TC_FT_MM_BV_AR_01				
TC_FT_MM_BV_AR_02				
TC_FT_MM_BV_AR_03				

(continued)

(concluded)

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_FT_MM_BV_AR_06				
TC_FT_MM_BV_AR_07				
TC_FT_MM_BV_KA_01				
TC_FT_MM_BV_KA_02				
TC_FT_MM_BV_KA_03				
TC_FT_MM_BV_CH_01				
TC_FT_MM_BV_CH_02				
TC_FT_MM_BV_CH_03				
TC_FT_MM_BV_CH_04				
TC_FT_MM_BV_CH_05				
TC_FT_MM_BO_01				
TC_FT_MM_BI_01				
TC_FT_MM_BI_02				
TC_FT_MM_BI_03				
TC_FT_MM_TI_01				
TC_FT_MM_TI_02				
TC_FT_MM_TI_03				
TC_FT_MM_TI_04				
TC_FT_MM_TI_05				
TC_FT_MM_TI_06				
TC_FT_MM_TI_07				
TC_FT_ME_BV_01				
TC_FT_ME_BV_02				
TC_FT_ME_BV_03				
TC_FT_ME_BO_01				
TC_FT_LC_BV_LE_01				
TC_FT_LC_BV_LE_02				
TC_FT_LC_BV_LE_03				
TC_FT_LC_BV_LR_01				
TC_FT_LC_BV_LR_02				
TC_FT_LC_BV_LR_03				
TC_FT_LC_BV_LR_04				
TC_FT_LC_BI_01				
TC_FT_LC_BI_04				
TC_FT_LC_BI_05				
TC_FT_LC_BI_07				
TC_FT_LC_TI_01				
TC_FT_LC_TI_02				
TC_FT_LC_TI_03				

B.6.2 DLC layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_A_CA_005				
TC_A_CA_006				
TC_A_CA_007				
TC_A_CA_008				
TC_A_BV_002				
TC_A_BV_003				
TC_A_BV_004				
TC_A_BV_005				
TC_A_BV_006				
TC_A_BV_007				
TC_A_BV_008				
TC_A_BI_004				
TC_A_BI_005				
TC_A_BI_006				
TC_A_BI_007				
TC_A_BI_008				
TC_A_BI_009				
TC_A_BI_011				
TC_A_BI_012				
TC_A_BI_013				
TC_L_CA_000				
TC_O_CA_000				
TC_O_CA_001				

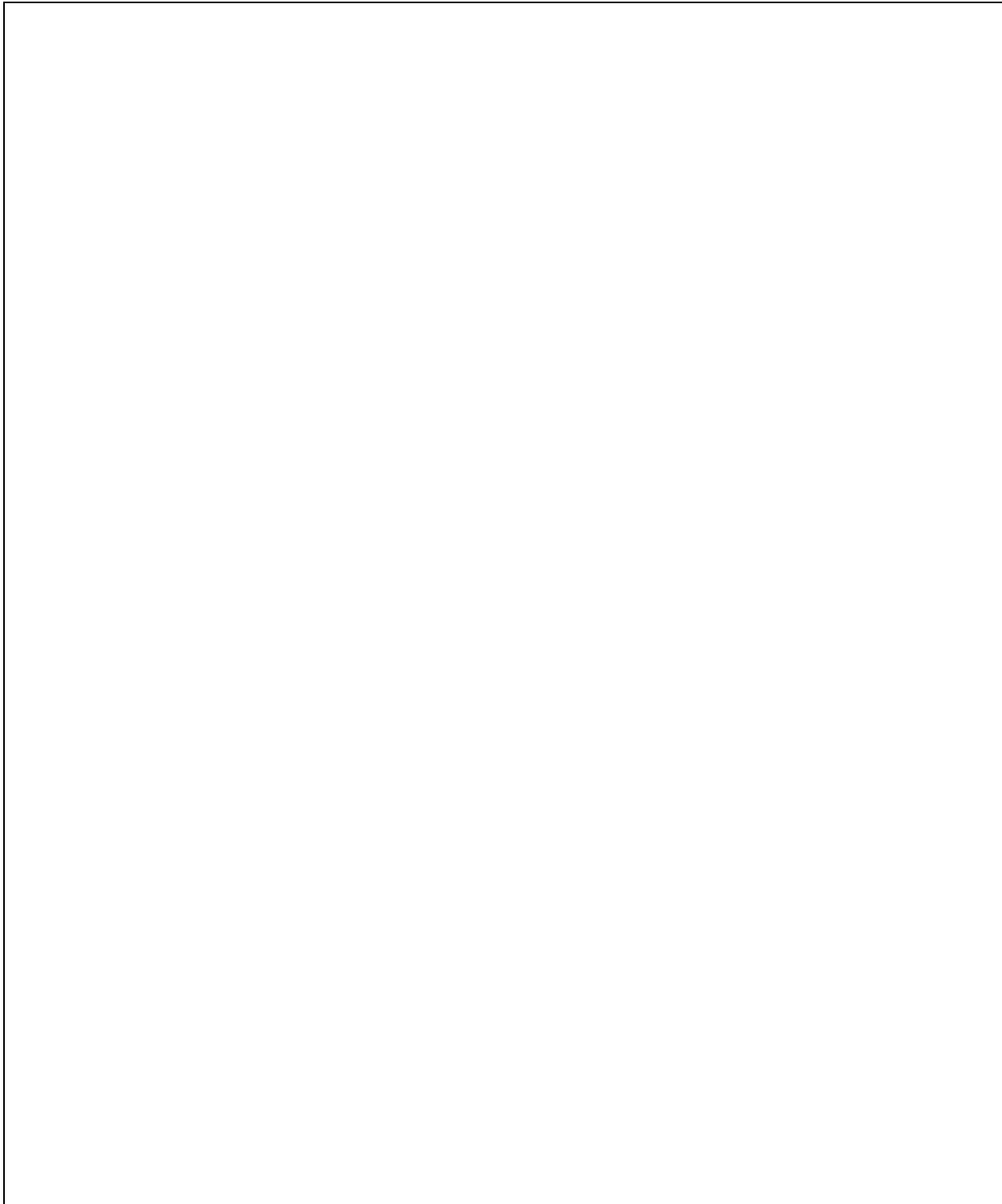
B.6.3 MAC layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_FT_DB_CA_00				
TC_FT_DB_CA_01				
TC_FT_DB_CA_02				
TC_FT_DB_CA_03				
TC_FT_DB_CA_04				
TC_FT_DB_CA_05				
TC_FT_DB_CA_06				
TC_FT_DB_CA_07				
TC_FT_DB_BV_03				
TC_FT_PG_CA_00				
TC_FT_PG_CA_01				
TC_FT_PG_BV_01				
TC_FT_BS_CA_00				
TC_FT_BS_BV_00				
TC_FT_BH_CA_00				
TC_FT_BH_CA_01				
TC_FT_BH_BV_00				
TC_FT_BH_BV_01				
TC_FT_BR_CA_00				
TC_FT_DT_CA_00				
TC_FT_DT_CA_01				
TC_FT_DT_CA_02				
TC_FT_DT_CA_03				
TC_FT_DT_CA_04				
TC_FT_DT_BV_00				
TC_FT_DT_BV_01				
TC_FT_DT_BI_00				
TC_FT_DT_BI_01				
TC_FT_LM_CA_05				

B.6.4 PH layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
GAP/PH-1				
GAP/PH-2				

B.7 Observations

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for recording observations related to the technical content of the PCTR.

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 this ETS, ETSI grants that users of this ETS 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.

C.1 Identification summary

C.1.1 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	ETS 300 444 [8]
Profile Version	
Profile ICS	ETS 300 474 [27]
Profile Specific IXIT	ETS 300 494-3
PTS-Summary	ETS 300 494-1 [28]
PSTS	ETS 300 494-3

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 an 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	ETS 300 494-3
	DECT DLC layer FT	Remote	ETS 300 494-3
	DECT MAC layer FT	Remote (modified)	ETS 300 494-3
	DECT PH layer FT	Not applicable	ETS 300 494-3

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 GAP NWK layer FT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 175-5 [5] ETS 300 444 [8]
Profile ICS	ETS 300 474 [27]
Profile IXIT	ETS 300 494-3
PCTR Number	
PCTR Date	
PSTS	ETS 300 494-1 [28]
ATM	Remote
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.2.2 Profile testing summary for GAP DLC layer FT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 175-4 [4] ETS 300 444 [8]
Profile ICS	ETS 300 474 [27]
Profile IXIT	ETS 300 494-3
PCTR Number	
PCTR Date	
PSTS	ETS 300 494-1 [28]
ATM	Remote
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.2.3 Profile testing summary for GAP MAC layer FT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 175-3 [3] ETS 300 444 [8]
Profile ICS	ETS 300 474 [27]
Profile IXIT	ETS 300 494-3
PCTR Number	
PCTR Date	
PSTS	ETS 300 494-1 [28]
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 GAP PH layer FT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 175-2 [2] ETS 300 444 [8]
Profile ICS	ETS 300 474 [27]
Profile IXIT	ETS 300 494-3
PCTR Number	
PCTR Date	
PSTS	ETS 300 494-1 [28]
ATM	
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.

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

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

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	ETS 300 175-5 [5]	ETS 300 476-1 [17]	-	
DECT DLC layer	ETS 300 175-4 [4]	ETS 300 476-1 [17]	-	
DECT MAC layer	ETS 300 175-3 [3]	ETS 300 476-1 [17]	-	
DECT PH layer	ETS 300 175-2 [2]	ETS 300 476-1 [17]	-	

D.1.7 Profile identification

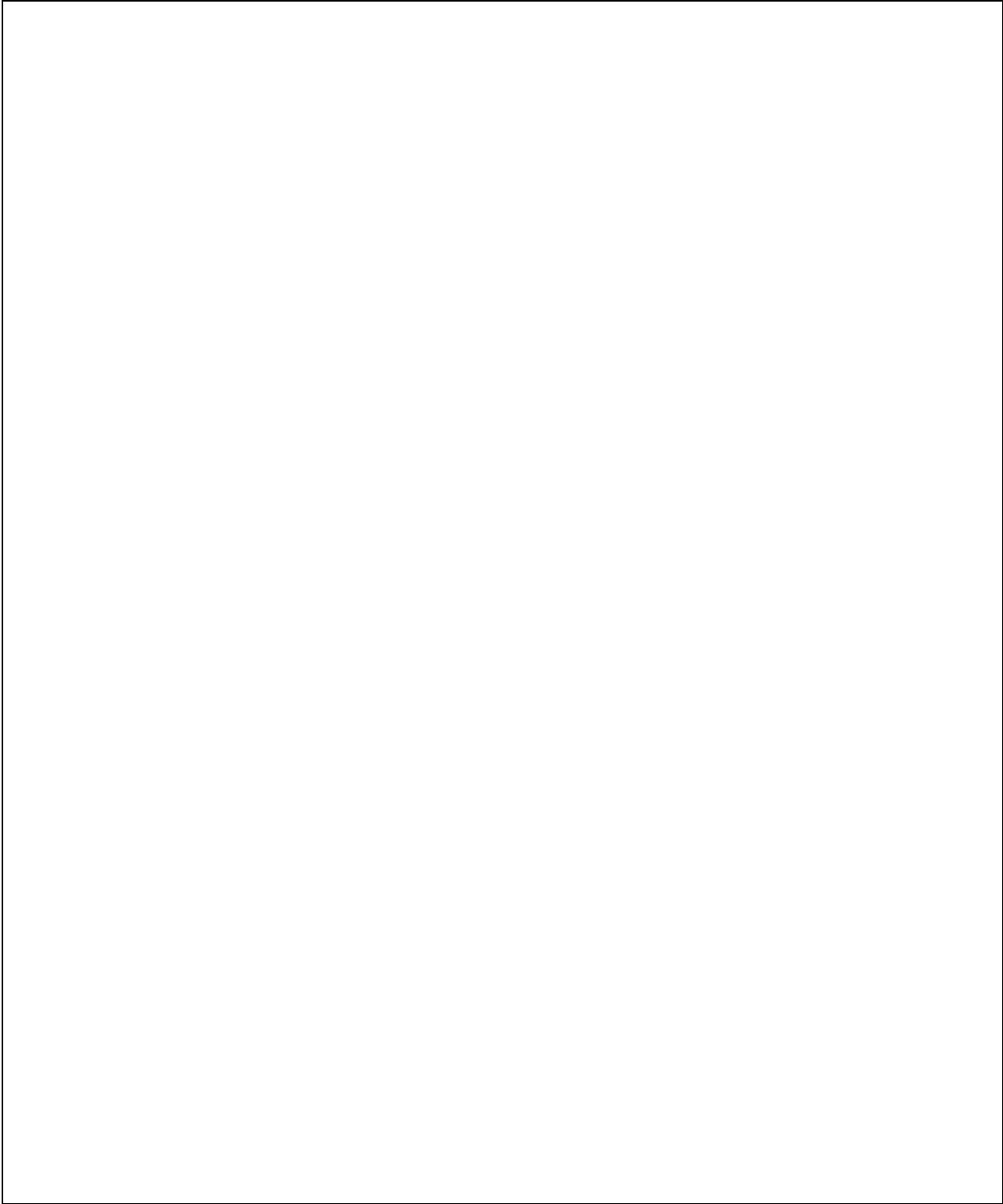
Profile Identifier	Specification Reference	Profile ICS Specific Reference	SCTR Reference	SCTR reference from previous campaign
Generic Access Profile (GAP)	ETS 300 444 [8]	ETS 300 474 [27]	ETS 300 494-1 [28]	

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



History

Document history			
June 1995	Public Enquiry	PE 85:	1995-06-05 to 1995-09-29
June 1996	Vote	V 102:	1996-05-06 to 1996-08-09
August 1996	First Edition		