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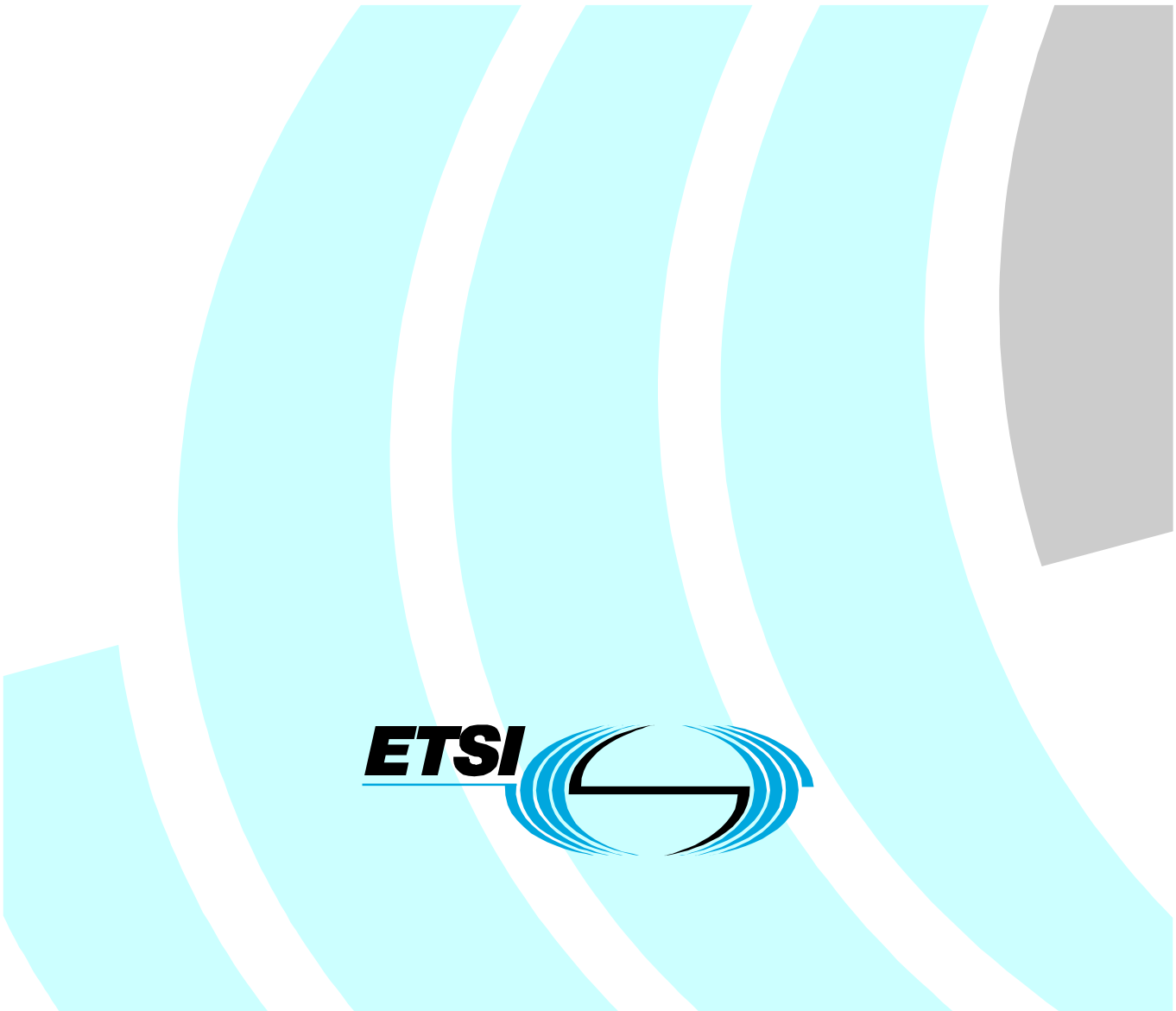
European Standard (Telecommunications series)

Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile Test Specification (PTS); Part 3: Profile Specific Test Specification (PSTS) - Fixed radio Termination (FT)



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Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This European Standard (Telecommunications series) has been produced by ETSI Project Digital Enhanced Cordless Telecommunications (DECT), and is now submitted for the ETSI standards One-step Approval Procedure.

The present document is part 3 of a multi-part deliverable covering the Generic Access Profile (GAP), as identified below:

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)".

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

1 Scope

The present document 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 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) [18] to [26]. In addition as far as the Physical layer is concerned EN 300 176 parts 1 [16] and 2 [30] apply. Additional GAP specific test cases are included where required. The Profile IXIT is based on the DECT CI PIXITs specified in EN 300 497 [18] to [26].

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 and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

[1] ETSI EN 300 175-1: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".

[2] ETSI EN 300 175-2: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer (PHL)".

[3] ETSI EN 300 175-3: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".

[4] ETSI EN 300 175-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".

[5] ETSI EN 300 175-5: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".

[6] ETSI EN 300 175-6: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing".

[7] ETSI EN 300 175-7: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features".

[8] ETSI EN 300 444: "Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP)".

[9] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection; Conformance testing methodology and framework - Part 1: General concepts".

[10] ISO/IEC 9646-2: "Information technology - Open Systems Interconnection; Conformance testing methodology and framework - Part 2: Abstract test suite specification".

[11] ISO/IEC 9646-3: "Information technology - Open Systems Interconnection; Conformance testing methodology and framework - Part 3: The Tree and Tabular Combined Notation (TTCN)".

[12] ISO/IEC 9646-4: "Information technology - Open Systems Interconnection; Conformance testing methodology and framework - Part 4: Test realization".

[13] 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".

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

[15] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection; Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

[16] ETSI EN 300 176-1: "Digital Enhanced Cordless Telecommunications (DECT); Approval test specification; Part 1: Radio".

[17] ETSI EN 300 476 (all parts): "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma".

[18] ETSI 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".

[19] ETSI 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)".

[20] ETSI 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)".

[21] ETSI 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".

[22] ETSI 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".

[23] ETSI 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)".

[24] ETSI 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)".

[25] ETSI 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)".

[26] ETSI 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)".

[27] ETSI ETS 300 474-1: "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] ETSI ETS 300 474-2: "Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma; Part 2: Fixed radio Termination (FT)".

[29] ETSI EN 300 494-1: "Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile Test Specification (PTS); Part 1: Summary".

[30] ETSI EN 300 176-2: "Digital Enhanced Cordless Telecommunications (DECT); Approval test specification; Part 2: Speech".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646 parts 1 to 7 [9] to [15], EN 300 175 parts 1 to 7 [1] to [7] and EN 300 444 [8] apply.

3.2 Abbreviations

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

AC	Authentication Code
ATS	Abstract Test Suite
BER	Bit Error Rate
CC	Call Control
CI	Common Interface
DCK	Derived Cipher Key
DLC	Data Link Control
EUT	Equipment Under Test
FP	Fixed Part
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
LT	Lower Tester
MAC	Medium Access Control
MM	Mobility Management
NLF	New Link Flag
NTP	Normal Transmitted Power
NWK	NetWorK
PARK	Portable Access Rights Key
PHY	PHYsical
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
PSTS	Profile Specific Test Specification
PT	Portable radio Termination
PTS	Profile Test Specification
RFP	Radio Fixed Part
SARI	Secondary Access Rights Identity
SUT	System Under Test
TPUI	Temporary Portable User Identity
TSS	Test Suite Structure

4 Relevant test cases list

4.1 Network (NWK) layer

This clause includes lists of the test groups and abstract test cases relevant for GAP Profile Test Specification (PTS); NWK layer Fixed Termination (FT) derived from EN 300 497-9 [26].

NOTE: References when necessary shall be made based on the particular test case name unique through all test specification EN 300 497 [18] to [26].

4.1.1 Test Suite Structure (TSS)

Table 1

Test Suite Structure	
Suite Name: nwk_ft **Standards Ref:** EN 300 444 [8]; EN 300 497-9 [26] **Profile ICS Ref:** ETS 300 474-2 [28] **Profile IXIT Ref:** EN 300 494-3 (the present document) **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 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/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/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

Test Suite Structure	
Suite Name: nwk_ft **Standards Ref:** EN 300 444 [8]; EN 300 497-9 [26] **Profile ICS Ref:** ETS 300 474-2 [28] **Profile IXIT Ref:** EN 300 494-3 (the present document) **Test Method:** remote **Comments:**	
Test Group Reference	**Test Group Objective**
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
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
Detailed Comments: 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	Verify that the IUT can correctly establish a following outgoing call from the LT when the LT has use SARI as the means to lock to the IUT
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 l >> either in {CC-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_03	Outgoing normal call; F-10; {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

Test Case Index		
Test Group Reference	**Test Case Id**	**Description**
	TC_FT_CC_BV_CI_10	Outgoing normal call; F-10; {CC-INFO], << Multi keypad >>, "0-9, star, hash mark" handling
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
FT/CC/RS	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-02; unexpected {CC-SETUP}
	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} unrecognized message type; ignore
FT/CC/TI/	TC_FT_CC_TI_01	Outgoing call; F-02; timer F - < CC.01 > expiry (-10 % 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 (-10 % margin); IUT sends {CC-RELEASE-COM}
	TC_FT_CC_TI_04	Outgoing call; F-06; timer F - < CC.03 > expiry (-10 % 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; Location reg started upon 1st {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
	TC_FT_MM_BV_LO_07	Location update; a38 = 1 at locking; Location reg started upon 2nd {MM-INFO-SUGGEST}
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

Test Case Index		
Test Group Reference	**Test Case Id**	**Description**
FT/MM/BV/KA/	TC_FT_MM_BV_KA_01	Key allocate; IUT initiated
	TC_FT_MM_BV_KA_02	Key allocate; IUT initiated; "implicit PT authentication" failure; IUT rejects
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
	TC_FT_MM_BV_CH_08	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on" fails
	TC_FT_MM_BV_CH_09	Cipher switching; PT initiated; "cipher-off" to "cipher-on" fails
	TC_FT_MM_BV_CH_10	Cipher switching; PT initiated; "cipher-off" to "cipher-on" and intercell handover
	TC_FT_MM_BV_CH_11	Cipher switching; PT initiated; "cipher-off" to "cipher-on" and intracell handover
	TC_FT_MM_BV_CH_12	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on" and intercell handover
	TC_FT_MM_BV_CH_13	Cipher switching; PT initiated; "cipher-on" to "cipher-off" fails
	TC_FT_MM_BV_CH_14	Cipher switching; IUT(FT) initiated; "cipher-off" to "cipher-on" and intracell handover
	TC_FT_MM_BV_CH_15	Cipher switching; IUT(FT) initiated; "cipher-on" to "cipher-off" fails
FT/MM/BO/	TC_FT_MM_BO_01	Cipher switching; IUT(FT) initiated; ignoring unexpected {IDENTITY-REPLY}
FT/MM/BI	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 (-10 % margin)
	TC_FT_MM_TI_02	Authentication of PT; timer F - < MM_auth.1 > expiry (-10 % margin)
	TC_FT_MM_TI_03	Authentication of user; timer F - < MM_auth.2 > expiry (-10 % margin)
	TC_FT_MM_TI_04	Terminate access rights; IUT (FT) initiated; timer F - < MM_access.2 > expiry (-10 % margin)
	TC_FT_MM_TI_05	Key allocation; timer F - < MM_key.1 > expiry (-10 % margin)
	TC_FT_MM_TI_06	Cipher switching; IUT (FT) initiated; timer F - < MM_cipher.1 > expiry (margin: -20 %)
	TC_FT_MM_TI_07	Location registration with TPUI assignment; timer F - < MM_ident.1 > expiry (+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/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

Test Case Index		
Test Group Reference	**Test Case Id**	**Description**
	TC_FT_LC_BI_07	F-10; link fails; IUT clears the call
FT/LC/TI/	TC_FT_LC_TI_02	MM ceases to use the link; no other entity uses the link; timer < LCE.02 > expiry (allowed period: (TSPX_lce_02-1 000) ms to 10 500 ms)
Detailed Comments: The FT is the IUT.		

4.2 Data Link Control (DLC) layer

This clause includes lists of the test groups and the abstract test cases relevant for GAP PTS-DLC layer FT derived from EN 300 497-5 [22].

4.2.1 Test suite structure

Table 3

Test Suite Structure	
Suite Name: DLC **Standards Ref:** EN 300 444 [8]; EN 300 497-5 [22] **Profile ICS Ref:** ETS 300 474-2 [28] **Profile IXIT Ref:** EN 300 494-3 (the present document) **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 test 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_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 or I-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)
	TC_A_BI_012	Timer re transmission phase; receipt of an I-Frame with invalid N(S); RR response frame or I-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: The FT is the IUT.		

4.3 Medium Access Control (MAC) layer

This clause includes lists of the test groups and the abstract test cases relevant for GAP PTS-MAC layer FT derived from EN 300 497-3 [20].

4.3.1 Test Suite Structure

Table 5

Test Suite Structure	
Suite Name: mac_ft **Standards Ref:** EN 300 444 [8]; EN 300 497-3 [20] **Profile ICS Ref:** ETS 300 474-2 [28] **Profile IXIT Ref:** EN 300 494-3 (the present document) **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 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 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 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 s
	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 multiframes
	TC_FT_DB_CA_04	Active_idle; fixed part capabilities in QT message in frame 8; each 8 multiframes
	TC_FT_DB_CA_05	Active_idle; multiframe number in QT message in frame 8; each 8 multiframes
	TC_FT_DB_CA_06	Active_idle; SARI list in QT message in frame 8; each 4 multiframes
	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 10 s
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/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
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 and Q2 setting
FT/LM/CA/	TC_FT_LM_CA_05	Active_traffic/Active_traffic_and_idle; bearer handover; bearer release within T203 s
Detailed Comments: The FT is the IUT.		

4.4 PHYsical (PHY) layer

For PHY layer capabilities testing EN 300 176-1 [16] shall apply with the modifications in the following clauses.

4.4.1 Manufacturer declarations

The support of the following GAP PHY layer requirements shall be explicitly given as manufacturer declaration in ETS 300 474-2 [28].

Table 7

No	EN 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 in EN 300 176-1 [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 EN 300 176-1 [16], clause 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 EN 300 176-1 [16], clause 10.3.

4.4.3 RFP radio receiver sensitivity

The following additional requirement applies to EN 300 176-1 [16], clause 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 Void

Table 8: Void

4.4.5 Void

5 Additional test cases list

5.1 Test purposes

This clause includes all the test purposes developed for covering the GAP behaviour not included in the EN 300 497, parts 1 [18], 4 [21], 6 [23], 7 [24], EN 300 176-1 [16] and EN 300 176-2 [30].

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 PHY layer

This clause includes all the test purposes developed for covering the GAP behaviour not included in EN 300 176-1 [16] and EN 300 176-2 [30].

Table 9

No.	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 clause includes all test cases developed for covering the GAP behaviour not included in the EN 300 497, parts 2 [19], 3 [20], 5 [22], 8 [25], 9 [26], EN 300 176-1 [16] and EN 300 176-2 [30].

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 PHY layer

5.2.4.1 Receiver sensitivity tolerance of transmitter deviation variations

The purpose of the present document 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 EN 300 176-1 [16], clause 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 shall 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 EN 300 176-1 [16], clause 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 2 dBm 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 EN 300 176-1 [16], clause 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 loop back function.

f) A test modulation signal D-M2 (see EN 300 176-1 [16], clause 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 the present document.

5.2.4.2 Transmission of Z-field

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

5.2.4.2.1 Definition

No additional definition applies for the present document.

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 loop back function.

c) A test modulation signal D-M2 (see EN 300 176-1 [16], clause 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 (PIXIT) 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.

A.2 Profile IXIT Requirements List (XRL)

This clause 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 clause this means that such a question do not need modifications and is fully applicable for GAP.

A.2.1 NWK layer protocol

No restrictions or modifications required.

A.2.2 DLC layer protocol

No restrictions or modifications required.

A.2.3 MAC layer protocol

No restrictions or modifications required.

A.2.4 PHY layer protocol

For parameter values, see clause 4.4. No other restrictions or modifications required.

A.3 Profile specific IXIT

This clause 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 PHY layer

Table A.1

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

A.3.5 Configuration constraints

This clause 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.

A.4 Declaration of features supported

The following tables contain extracts from the PICS documents EN 300 476 parts 1 and 4. The information contained within them is required for parameterization of the test cases referred to in the present document. The entries in the status column in each table are either those in the PICS documents referred to above, or are taken from ETS 300 474-1 or ETS 300 474-2. If the status of an item is dependent on another item not included in the tables in the present document, it is listed as being optional.

The abbreviations used in the following tables have the same meaning as those used in annex A of part 1 of this PTS. The references are to EN 300 444, unless otherwise specified.

A.4.1 Network layer

Table A.2: EN 300 476-4 Table A.15 SS features (services) supported

Item	CC(CRSS) and CISS features	Reference to EN 300 175-5	Status	Support
17	Cost information	10.6.2.4	o	
32	Queue management	10.6.2.1	o	

Table A.3: EN 300 476-4 Table A.22 CLMS procedures supported

Prerequisite: A/4				
Item	**CLMS procedures**	**Reference to EN 300 175-5**	**Status**	**Support**
1	clms_fixed	12.3.1	o.301	
2	clms_variable	12.3.2	o.301	

o.301: It is mandatory to support at least one of these options.

Table A.4: EN 300 476-4 Table A.24 LLME procedures supported

Item	Procedure name	Reference	Status	Support
5	mgt_mm_procedures_prioriry_mgt	13.1	m	
6	mgt_mm_cc_coexistance	6.9.6	m	

Table A.5: EN 300 476-4 Table A.27 {CC-SETUP} sending (P to F) supported

Item	{CC-SETUP} sending (P to F) Information element name	Reference to EN 300 175-5	Status	Support
30	Called party number	7.7.7	o	

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

B.1 Identification summary

B.1.1 Profile CTR

Table B.1

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)

Table B.2

Name:	
Version:	
Protocol Specification:	EN 300 444
Profile ICS:	ETS 300 474-2

B.1.3 Testing environment

Table B.3

Profile IXIT:	EN 300 494-3 (the present document)
Profile Specific Test Specification:	EN 300 494-3 (the present document)
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 clause B.1.3. This does not indicate that the test cases were executed in this order.

The test results presented in the present document apply only to the particular IUT declared in clause B.1.2, as presented for test in the period declared in clauses 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.

Table B.4

Additional comments reference in annex:	

B.2 IUT conformance status

Table B.5

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

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

B.3 Static conformance summary

Table B.6

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/IEC 9646-5, annex B, clause 3.

B.4 Dynamic conformance summary

Table B.7

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

NOTE: For further details see ISO/IEC 9646-5, annex B, clause 4.

B.5 Static conformance review report

If clause B.3 indicates non-conformance, this clause itemizes the mismatches between the ICS and the static conformance requirements of the referenced base specifications EN 300 476 and ETS 300 474-2.

Table B.8

Non-conformance indication		Comment
Item in EN 300 476	Item in ETS 300 474-2	

B.6 Test campaign report

The following table lists all the Test Cases (TC) relevant to GAP and required by the present document. The abbreviations used in the verdict column stand for Pass (P), Fail (F) and Inconclusive (I).

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

B.6.1 NWK layer

Table B.9

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_03				
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_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_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_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_LO_07				
TC_FT_MM_BV_AR_01				
TC_FT_MM_BV_AR_02				
TC_FT_MM_BV_AR_03				
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_CH_01				
TC_FT_MM_BV_CH_02				
TC_FT_MM_BV_CH_03				
TC_FT_MM_BV_CH_04				

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_FT_MM_BV_CH_05				
TC_FT_MM_BV_CH_08				
TC_FT_MM_BV_CH_09				
TC_FT_MM_BV_CH_10				
TC_FT_MM_BV_CH_11				
TC_FT_MM_BV_CH_12				
TC_FT_MM_BV_CH_13				
TC_FT_MM_BV_CH_14				
TC_FT_MM_BV_CH_15				
TC_FT_MM_BO_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_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_07				
TC_FT_LC_TI_02				

B.6.2 DLC layer

Table B.10

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_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_0_CA_000				
TC_0_CA_001				

B.6.3 MAC layer

Table B.11

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_BR_CA_00				
TC_FT_DT_CA_00				
TC_FT_DT_CA_01				
TC_FT_DT_CA_02				
TC_FT_DT_BI_00				
TC_FT_DT_BI_01				
TC_FT_LM_CA_05				

B.6.4 PHY layer

Table B.12

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

B.7 Observations

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

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

C.1 Identification summary

C.1.1 System Conformance Test Report (SCTR)

Table C.1

SCTR Number:	
SCTR Date:	
Test Laboratory Manager:	
Signature:	

C.1.2 Test laboratory

Table C.2

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

C.1.3 Client

Table C.3

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

C.1.4 System Under Test (SUT)

Table C.4

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

C.1.5 Profile

Table C.5

Profile Identification:	EN 300 444
Profile Version:	
Profile ICS:	ETS 300 474-2
Profile Specific IXIT:	EN 300 494-3 (the present document)
PTS-Summary:	EN 300 494-1
PSTS:	EN 300 494-3 (the present document)

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 the present document apply only to the particular SUT and component IUTs declared in clauses 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 clause 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:

Table C.6

IUT Definition Reference	Protocol	ATM	ATS
	DECT NWK layer FT	Remote	EN 300 494-3 (the present document)
	DECT DLC layer FT	Remote	EN 300 494-3 (the present document)
	DECT MAC layer FT	Remote (modified)	EN 300 494-3 (the present document)
	DECT PHY layer FT	Not applicable	EN 300 494-3 (the present document)

C.1.9 Comments

Table C.7

Additional comments reference in annex:	

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

Table C.8

Accreditation status:	
Accreditation reference:	
Implementation identifier:	
IUT definition reference:	
Protocol specification:	EN 300 175-5 EN 300 444
Profile ICS:	ETS 300 474-2
Profile IXIT:	EN 300 494-3 (the present document)
PCTR Number:	
PCTR Date:	
PSTS:	EN 300 494-3 (the present document)
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

Table C.9

Accreditation status:	
Accreditation reference:	
Implementation identifier:	
IUT definition reference:	
Protocol specification:	EN 300 175-4 EN 300 444
Profile ICS:	ETS 300 474-2
Profile IXIT:	EN 300 494-3 (the present document)
PCTR Number:	
PCTR Date:	
PSTS:	EN 300 494-3 (the present document)
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

Table C.10

Accreditation status:	
Accreditation reference:	
Implementation identifier:	
IUT definition reference:	
Protocol specification:	EN 300 175-3 EN 300 444
Profile ICS:	ETS 300 474-2
Profile IXIT:	EN 300 494-3 (the present document)
PCTR Number:	
PCTR Date:	
PSTS:	EN 300 494-3 (the present document)
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 PHY layer FT

Table C.11

Accreditation status:	
Accreditation reference:	
Implementation identifier:	
IUT definition reference:	
Protocol specification:	EN 300 175-2 EN 300 444
Profile ICS:	ETS 300 474-2
Profile IXIT	EN 300 494-3 (the present document)
PCTR Number:	
PCTR Date:	
PSTS:	EN 300 494-3 (the present document)
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

D.1 Identification summary

D.1.1 SCS identification

Table D.1

SCS Serial Number:	
SCS Date:	

D.1.2 IUT identification

Table D.2

Trade Name:	
Type:	
Version:	
Serial Number:	

D.1.3 Client identification

Table D.3

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

D.1.4 Supplier identification

Table D.4

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.)

Table D.5

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

D.1.6 Protocols identification

Table D.6

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

D.1.7 Profile identification

Table D.7

Profile Identifier	Specification Reference	Profile ICS Specific Reference	SCTR Reference	SCTR reference from previous campaign
Generic Access Profile (GAP)	EN 300 444	ETS 300 474-2	EN 300 494-1	

D.2 Miscellaneous system information

D.2.1 Configuration

Table D.8

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

D.2.2 Other information

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History

Document history		
Edition 1	August 1996	Publication as ETS 300 494-3
Amendment 1	February 1998	Amendment 1 to the 1rst edition of ETS 300 494-3
V1.2.1	August 1999	Publication
V1.3.1	April 2001	Publication
V1.4.0	December 2001	One-step Approval Procedure OAP 20020412: 2001-12-12 to 2002-04-12