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Foreword

This final draft European Telecommunication Standard (ETS) has been produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

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)".

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

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1 Scope

This final draft European Telecommunication Standard (ETS) contains the test specification for Digital Enhanced Cordless Telecommunications (DECT) Generic Access Profile (GAP) Portable Part (PP) 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 the physical layer testing, and therefore text description is used.

The test cases listed in this ETS have been derived from the DECT Common Interface (CI) Test Case Library (TCL) [47]. 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 IXIT is based on the DECT CI PIXITs specified in ETS 300 497 [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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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] prETS 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 pr 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
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

4 Relevant test cases list

4.1 Network (NWK) layer

This subclause includes lists of the test groups, abstract test cases and test steps relevant for GAP Profile Test Specification (PTS) - Network (NWK) layer Portable radio Termination (PT) derived from ETS 300 497-7 [24].

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 [18] is a draft ETS, 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 will be added in at a later stage. References when necessary are given based on the particular test case name unique through all test specification ETS 300 497 [18].

4.1.1 Test Suite Structure (TSS)

Table 1

TSS	
Suite Name:	nwk_pt
Standards Ref:	ETS 300 444 [8]; ETS 300 497-7 [24]
Profile ICS Ref:	ETS 300 474-1 [27]
Profile IXIT Ref:	ETS 300 494-2
Test Method:	remote
Comments:	
Test Group Reference	Test Group Objective
PT/	To check the behaviour of the NWK layer of the PT(IUT)
PT/CC/	To check the IUT CC-state machine behaviour
PT/CC/IT/	To check that the IUT CC-state machine provides sufficient conformance for possible interconnection without trying to perform thorough testing
PT/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
PT/CC/BV/	To tests the CC entity of the IUT in response to syntactically and contextual correct behaviour of the test system
PT/CC/BV/OC/	To check the IUT's behaviours to setup an outgoing call
PT/CC/BV/IC/	To check the IUT's behaviours to setup an incoming call
PT/CC/BV/CI/	To check the IUT's behaviour in information transfer procedures
PT/CC/BV/CR/	To check the IUT's behaviours to release an outgoing/incoming call
PT/CC/BV/RS/	To check the IUT's behaviour during call related supplementary service procedures
PT/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
PT/CC/BI/	To check the behaviour of the CC entity of the IUT in response to invalid messages
PT/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
PT/MM/	To check the behaviour of the Mobility Management (MM) entity of the IUT
PT/MM/IT/	To check that the MM entity of the IUT provides sufficient conformance for possible interconnection without trying to perform thorough testing
PT/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
PT/MM/BV/	To tests the MM entity of the IUT in response to syntactically and contextual correct behaviour of the test system
PT/MM/BV/ID/	To check the IUT's behaviour concerning identity procedures
PT/MM/BV/AU/	To check the IUT's behaviour concerning the authentication procedures
PT/MM/BV/LO/	To check the IUT's behaviour concerning the location procedures
PT/MM/BV/AR/	To check the IUT's behaviour concerning the access rights procedures
PT/MM/BV/KA/	To check the IUT's behaviour concerning the key allocation procedure
PT/MM/BV/CH/	To check the IUT's behaviour concerning the ciphering related procedures
PT/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
PT/MM/BI/	To check the IUT in response to invalid MM messages
PT/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

(continued)

Table 1 (concluded)

TSS	
PT/ME/	To check the behaviour of the LLME of the IUT
PT/ME/IT/	To check that LLME of the IUT provides sufficient conformance for possible interconnection without trying to perform thorough testing
PT/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
PT/ME/BV/	To tests the LLME of the IUT in response to syntactically and contextual correct behaviour of the test system
PT/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
PT/LC/	To check the behaviour of the LCE of the IUT
PT/LC/IT/	To check that LCE of the IUT provides sufficient conformance for possible interconnection without trying to perform thorough testing
PT/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
PT/LC/BV/	To tests the LCE of the IUT in response to syntactically and contextual correct behaviour of the test system
PT/LC/BV/LE/	To check the IUT's behaviour concerning the connection oriented link establishment procedures
PT/LC/BV/LR/	To check the IUT's behaviour concerning the connection oriented link release procedures
PT/LC/BI/	To check the IUT in response to invalid LCE messages
PT/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 PT/xx/IT/ and PT/xx/CA/ do not include their own test cases but only list an appropriate selection of tests from the relevant sub-group with identifier PT/xx/.	

4.1.2 Test case index

Table 2

Test Case Index		
Test Group Reference	Test Case Id	Description
PT/CC/BV/OC/	TC_PT_CC_BV_OC_01	Outgoing call; T-00, T-01, T-02, T-03, T-04, T-10; piece wise dialling in T-02
	TC_PT_CC_BV_OC_02	Outgoing call; states T-00, T-01, T-10; piece wise dialling in T-10
	TC_PT_CC_BV_OC_03	Outgoing call; states T-00, T-01, T-02, T-10; piece wise dialling in T-02
	TC_PT_CC_BV_OC_04	Outgoing call; U-plane connection upon <<Progress ind.>> in {CC-SETUP-ACK}
PT/CC/BV/IC/	TC_PT_CC_BV_IC_01	Incoming call; T-01, T-06, T-07, T-08, T-10; <<SIGNAL>> in T-07
	TC_PT_CC_BV_IC_02	Incoming call; T-01, T-06, T-07, T-08, T-10; <<SIGNAL>> in {CC-SETUP}
PT/CC/BV/CI/	TC_PT_CC_BV_CI_01	Alerting the user; Incoming call; <<SIGNAL>> in {CC-SETUP}
	TC_PT_CC_BV_CI_02	Go to pulse invocation in T-02; Outgoing call
	TC_PT_CC_BV_CI_03	Go to pulse invocation in T-10; Outgoing call
	TC_PT_CC_BV_CI_04	Dialling pause indication in T-02; Outgoing call
	TC_PT_CC_BV_CI_05	Dialling pause indication in T-10; Outgoing call
	TC_PT_CC_BV_CI_06	Go to DTMF invocation in T-02; defined tone length; Outgoing call
	TC_PT_CC_BV_CI_07	Go to DTMF invocation in T-10; defined tone length; Outgoing call
	TC_PT_CC_BV_CI_08	Go to DTMF invocation in T-02; infinite tone length; Outgoing call
	TC_PT_CC_BV_CI_09	Go to DTMF invocation in T-10; infinite tone length; Outgoing call
	TC_PT_CC_BV_CI_10	Outgoing normal call; T-02; {CC-INFO], sending <<Multi keypad>>, "0-9, star, hash mark"
	TC_PT_CC_BV_CI_11	Internal call
	TC_PT_CC_BV_CI_12	T-10; {CC-INFO}, <<Multi display>> standard characters handling
	TC_PT_CC_BV_CI_13	T-10; {CC-INFO}, <<Multi display>> control characters handling
	TC_PT_CC_BV_CI_14	T-10; invocation of "Register recall"; {CC-INFO}, <<Multi keypad>>
PT/CC/BV/CR/	TC_PT_CC_BV_CR_01	Outgoing normal call; T-02; FT initiated normal release
	TC_PT_CC_BV_CR_02	Outgoing normal call; T-03; FT initiated normal release
	TC_PT_CC_BV_CR_03	Outgoing normal call; T-04; FT initiated normal release
	TC_PT_CC_BV_CR_04	Incoming call; T-08; FT initiated normal release
	TC_PT_CC_BV_CR_05	T-10; FT initiated normal release
	TC_PT_CC_BV_CR_06	T-10; IUT initiated normal release
	TC_PT_CC_BV_CR_07	T-01; FT initiated abnormal release
	TC_PT_CC_BV_CR_08	T-02; FT initiated abnormal release
	TC_PT_CC_BV_CR_09	T-10; FT initiated abnormal release
	TC_PT_CC_BV_CR_10	T-10; FT initiated partial release
	TC_PT_CC_BV_CR_11	T-10; IUT initiated partial release
PT/CC/BV/RS/	TC_PT_CC_BV_RS_01	T-00; Incoming call; {CC-SETUP} with <<Calling party number>>; CLIP handling

(continued)

Table 2 (continued)

Test Case Index		
PT/CC/BO/	TC_PT_CC_BO_01	T-08; unexpected message {CC-CALL-PROC}; ignore
	TC_PT_CC_BO_02	T-19; receipt of {CC-RELEASE}; release collision; clear the call
PT/CC/BI/	TC_PT_CC_BI_01	T-00; {CC-SETUP} mandatory I.E. missing; answer upon with {CC-RELEASE-COM]
	TC_PT_CC_BI_02	T-00; {CC-SETUP} wrong mandatory I.E.; answer upon with {CC-RELEASE-COM]
	TC_PT_CC_BI_03	T-00; {CC-SETUP}-like message, non {CC-SETUP} unrecognised message type; ignore
	TC_PT_CC_BI_04	T-00; to short message to contain the complete <<Message type>>; ignore
PT/CC/TI/	TC_PT_CC_TI_01	T-19; timer P-<CC.02> expiry (± 5% margin); IUT sends {CC-RELEASE-COM}
	TC_PT_CC_TI_02	Outgoing call; T-01; timer P-<CC.03> expiry (± 5% margin); IUT sends {CC-RELEASE-COM}
	TC_PT_CC_TI_03	T-01; restarts P-<CC.03> upon {CC-NOTIFY}
	TC_PT_CC_TI_04	Outgoing call; T-08; timer P-<CC.05> expiry (± 5% margin); IUT sends {CC-RELEASE}
PT/MM/BV/ID/	TC_PT_MM_BV_ID_01	Identity request; IPUI type requested; active IPUI returned
	TC_PT_MM_BV_ID_02	Identity request; unavailable id. type requested; no identity in the reply
	TC_PT_MM_BV_ID_08	Identity request; PARK requested; active PARK returned
PT/MM/BV/AU/	TC_PT_MM_BV_AU_01	Authentication of PT; IUT(PT) has no stored ZAP value and service class info
	TC_PT_MM_BV_AU_02	Authentication of PT; unacceptable algorithm requested; reject
	TC_PT_MM_BV_AU_03	Authentication of PT; IUT(PT) has stored ZAP value; IUT includes ZAP value in the replay
	TC_PT_MM_BV_AU_04	Authentication of PT; ZAP increment handling
	TC_PT_MM_BV_AU_05	Authentication of PT; ZAP increment handling; unsuccessful authentication of FT; ZAP is not incremented
	TC_PT_MM_BV_AU_06	Authentication of PT; storage of DCK handling
	TC_PT_MM_BV_AU_07	Authentication of user
	TC_PT_MM_BV_AU_08	Authentication of FT; IUT initiated
	TC_PT_MM_BV_AU_09	Authentication of PT; IUT(PT) has stored service class info; IUT includes service class info in the replay
PT/MM/BV/LO/	TC_PT_MM_BV_LO_01	Location registration after obtain access rights; a44 and a38=1 at locking; no TPUI assignment
	TC_PT_MM_BV_LO_02	Location registration after obtain access rights; a44 and a38=1 at locking; TPUI assignment
	TC_PT_MM_BV_LO_03	Location registration after obtain access rights; a44=1 and a38=0 at locking; IUT does not perform location registration
	TC_PT_MM_BV_LO_04	Location registration; no CC activities; location area changes; a38=1 at locking and at the beginning of the procedure; no TPUI assignment
	TC_PT_MM_BV_LO_05	No CC activities; power off; power on; Location registration request
	TC_PT_MM_BV_LO_06	Location registration; unacceptable TPUI assignment; reject

(continued)

Table 2 (continued)

Test Case Index		
	TC_PT_MM_BV_LO_07	Location registration; entering new location area; IUT deletes old TPUI
	TC_PT_MM_BV_LO_08	Location update suggested by FT; Location registration initiated by IUT; a38=1 at locking and at the beginning of the procedure
	TC_PT_MM_BV_LO_09	Location update suggested by FT; Location registration initiated by IUT; a38=1 at locking, a38=0 at the beginning of the procedure
PT/MM/BV/AR/	TC_PT_MM_BV_AR_01	Obtain access rights; a44=1; both sides use AC
	TC_PT_MM_BV_AR_03	Obtain access rights; a44=0; IUT does not initiate obtain access rights procedure
	TC_PT_MM_BV_AR_05	Terminate access rights; FT initiated; IUT(PT) may authenticate FT
	TC_PT_MM_BV_AR_06	Terminate access rights; FT initiated; IUT(PT) authenticates FT; authentication fails; termination rejected
	TC_PT_MM_BV_AR_09	Obtain access rights; FT assigns ZAP field; IUT stores it
	TC_PT_MM_BV_AR_10	Obtain access rights; FT assigns service class; IUT stores it
PT/MM/BV/KA/	TC_PT_MM_BV_KA_01	Key allocation
	TC_PT_MM_BV_KA_02	Key allocation; <<Auth type>> unacceptable; reject
	TC_PT_MM_BV_KA_03	Key allocation; implicit authentication of FT fails; key is not allocated
PT/MM/BV/CH/	TC_PT_MM_BV_CH_01	Cipher switching; IUT(PT) initiated; "cipher-off" to "cipher-on"
	TC_PT_MM_BV_CH_02	Cipher switching; IUT(PT) initiated; "cipher-on" to "cipher-off"
	TC_PT_MM_BV_CH_03	Cipher switching; FT initiated; "cipher-off" to "cipher-on"
	TC_PT_MM_BV_CH_04	Cipher switching; FT initiated; "cipher-on" to "cipher-off"
	TC_PT_MM_BV_CH_05	Cipher switching; FT initiated; "cipher-off" to "cipher-on"; unacceptable algorithm or key; reject
PT/MM/BO/	TC_PT_MM_BO_01	Location registration request; receipt of {ACCESS-RIGHTS-ACCEPT}; unexpected, ignore
PT/MM/BI/	TC_PT_MM_BI_01	Unrecognised message type; ignore
	TC_PT_MM_BI_02	"Cipher off"; {CIPHER-REQUEST}, with invalid <<Cipher info>>; reject
	TC_PT_MM_BI_03	Authentication of PT; {AUTH-REQUEST} missing <<RAND>>; reject
	TC_PT_MM_BI_04	Obtain access rights; {ACCESS-RIGHTS-ACCEPT}, wrong <<Portable id>>; ignore
PT/MM/TI/	TC_PT_MM_TI_01	Key allocation; timer P-<MM_auth.1> expiry (± 5% margin)
	TC_PT_MM_TI_02	Authentication of FT; timer P-<MM_auth.1> expiry (± 5% margin)
	TC_PT_MM_TI_03	Location registration; timer P-<MM_locate.1> expiry (± 5% margin)
	TC_PT_MM_TI_04	Obtain access rights; timer P-<MM_access.1> expiry (± 5% margin)
	TC_PT_MM_TI_05	Cipher switching; IUT(PT) initiated; timer P-<MM_cipher.2> expiry (± 5% margin)
PT/ME/BV/	TC_PT_ME_BV_01	Outgoing call; T-01; Authentication of IUT(PT) performed before answering the setup request

(continued)

Table 2 (concluded)

Test Case Index		
	TC_PT_ME_BV_02	Cipher switching IUT(PT) initiated; Locate update; location registration initiation after "cipher off"
	TC_PT_ME_BV_03	Obtain access rights; Interrupted by Authentication of user
	TC_PT_ME_BV_04	Obtain access rights; Interrupted by Authentication of IUT(PT)
	TC_PT_ME_BV_05	Outgoing call and authentication of IUT(PT) in parallel
Test Case Index		
	TC_PT_ME_BV_06	Outgoing call and cipher switching FT initiated in parallel
	TC_PT_ME_BV_07	Outgoing call; T-01; Cipher switching FT initiated performed before answering the setup request
	TC_PT_ME_BV_08	Outgoing call; T-01; Authentication of user performed before answering the setup request; {CC-NOTIFY} restart timer handling
	TC_PT_ME_BV_09	Cipher on; Store DCK; new DCK not used in the current ciphering
	TC_PT_ME_BV_10	T-10; a38=1; location area changes; location registration request during the call or in T-00
	TC_PT_ME_BV_11	Outgoing call; T-01; Terminate access rights FT initiated performed before answering the setup request
	TC_PT_ME_BV_12	T-10; link fails; IUT clears the call
	TC_PT_ME_BV_13	Obtain access rights interrupted by key allocation
PT/ME/BO/	TC_PT_ME_BO_01	Authentication of FT interrupted by {AUTH-REQUEST} from FT; ignore
PT/LC/BV/LE/	TC_PT_LC_BV_LE_01	Direct link establishment; IUT initiated
	TC_PT_LC_BV_LE_02	Indirect FT initiated link establishment
PT/LC/BV/LR/	TC_PT_LC_BV_LR_01	Link exists; MM entity ceases to use the link; no other entity uses the link; IUT maintains the link <LCE.02> time
	TC_PT_LC_BV_LR_02	Link exists; CC entity ceases to use the link; no other entity uses the link; normal release
	TC_PT_LC_BV_LR_03	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
PT/LC/BI/	TC_PT_LC_BI_01	Protocol discriminator value error - unsupported service; IUT ignores
	TC_PT_LC_BI_03	{IDENTITY-REQUEST} with illegal transaction id.; ignore
	TC_PT_LC_BI_04	Obtain access rights; {ACCESS-RIGHTS-ACCEPT} with transaction id. flag '0'; ignore
PT/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] du to difficulties of qualifying the IUT behaviour)
	TC_PT_LC_TI_02	MM ceases to use the link; no other entity uses the link; timer <LCE.02> expiry (± 5% margin)
Detailed Comments: 1. The PT is the IUT.		

4.2 Data Link Control (DLC) layer

This subclause includes a list of the abstract test cases relevant for GAP PTS - DLC layer 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 300 474-1 [27]
Profile IXIT Ref:	ETS 300 494-2
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 PICS/PIXIT
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/ClassA/BO/	To check the behaviour of the IUT in response to the messages that are syntactically correct but not allowed to occur in some states of the LAPC's Class A acknowledged transfer operation
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 PICS/PIXIT
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 PICS/PIXIT
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_000	re-transmission of the link establishment I-Frame request N250 times
	TC_A_CA_001	link establishment request; receipt of a valid RR frame; enters established state
	TC_A_CA_005	I-Frame acknowledgement within timer <DL-04>
	TC_A_CA_006	re-transmission of an I-Frame N250 times
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
	TC_A_BV_009	connection handover; Timer <DL.05> handling
	TC_A_BV_010	connection handover; Timer <DL.06> and constant (counter) N251 handling
DLC/C_Plane/ClassA/BI/	TC_A_BI_000	Class A establishment pending state; discarding RR Class B response frame with NLF bit set to '1'; re-transmitting the establishment request
	TC_A_BI_001	establishment pending state; discarding RR response frame with NLF bit set to '1' and invalid N(R); re-transmitting the establishment request
	TC_A_BI_002	Class A re-establishment pending state; discarding RR Class B response frame with NLF bit set to '1'; re-transmits the re-establishment request
	TC_A_BI_003	re-establishment pending state; discarding RR response frame, NLF bit set to '1', invalid N(R); re-transmitting the re-establishment request
	TC_A_BI_004	Class A established; information transfer phase; discarding of RR Class B response frame, NLF='0'; 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)

(continued)

Table 4 (concluded)

Test Case Index		
Test Group Reference	Test Case Id	Description
	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 Class B response frame, NLF= '0'; re-transmits 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, 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/ClassA/BO/	TC_A_BO_000	establishment pending state; discarding a received I-Frame, NLF='0'; re-transmits the establishment request
	TC_A_BO_001	establishment pending state; discarding a RR response frame with NLF='0'; re-transmits the establishment request
	TC_A_BO_002	re-establishment pending state; discarding a received I-Frame, NLF='0'; re-transmits the establishment request
	TC_A_BO_003	re-establishment pending state; discarding a RR response frame with NLF='0'; re-transmits the establishment request
DLC/C_Plane/Lb/CA/	TC_L_CA_000	receive 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 PT is the IUT.		

4.3 Medium Access Control (MAC) layer

This subclause includes list of the abstract test cases relevant for GAP PTS - MAC PT layer derived from ETS 300 497-2 [19].

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_pt
Standards Ref:	ETS 300 444 [8]; ETS 300 497-2 [19]
Profile ICS Ref:	ETS 300 474-1 [27]
Profile IXIT Ref:	ETS 300 494-2
Test Method:	remote (modified)
Comments:	
Test Group Reference	Test Group Objective
PT/	Verify the correct implementation of the PT (IUT) MAC layer
PT/DB/	Verify the correct implementation of the Downlink broadcast services handling
PT/DB/BV/	To tests the behaviour of the IUT in response to syntactically and contextual correct behaviour of the test system
PT/PG/	Verify the correct implementation of the paging services handling
PT/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
PT/PG/BV/	To tests the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
PT/BS/	Verify the correct implementation of connection oriented bearer setup procedures
PT/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
PT/BS/BV/	To tests the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
PT/BH/	Verify the correct implementation of connection oriented bearer handover procedures
PT/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
PT/BH/BV/	To tests the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system
PT/BR/	Verify the correct implementation of connection oriented bearer release procedures
PT/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
PT/DT/	Verify the correct implementation of connection oriented data transfer procedures
PT/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
PT/DT/BV/	To tests the behaviour of the IUT in relation to syntactically and contextual correct behaviour of the test system

(continued)

Table 5 (concluded)

Test Suite Structure	
PT/DT/BI/	To check the behaviour of the of the IUT in response to invalid messages
PT/LM/	Verify the correct implementation of the LLME MAC layer management procedures
PT/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
PT/DB/BV/	TC_PT_DB_BV_00	Active_unlocked; receipt of QT and NT messages; Idle_locked entering
	TC_PT_DB_BV_01	Idle_locked; receipt of QT extended RF carrier information; bearer establishment
	TC_PT_DB_BV_02	Active_unlocked; receipt of QT SARI list content; enter Idle_locked
PT/PG/CA/	TC_PT_PG_CA_00	Idle_locked; paging; short page message reception
	TC_PT_PG_CA_01	Idle_locked; zero page message reception
PT/PG/BV/	TC_PT_PG_BV_00	Idle_locked; paging Extended flag reception
	TC_PT_PG_BV_02	Idle_locked; receipt of PT blind full slot information; do not setup bearer on blind slot
	TC_PT_PG_BV_03	Idle_locked; receipt of PT zero length messages indicating "other bearer", "dummy or C/L bearer position"; keep being locked
PT/BS/CA/	TC_PT_BS_CA_00	Idle_locked; PT initiated single bearer setup; no WAIT messages
	TC_PT_BS_CA_01	Idle_locked; PT initiated single bearer setup; with WAIT messages
PT/BS/BV/	TC_PT_BS_BV_00	Active_locked; duplex bearer; T201 expiry; bearer release
PT/BH/CA/	TC_PT_BH_CA_00	Active_locked; PT initiated intracell bearer handover using basic setup
	TC_PT_BH_CA_01	Active_locked; PT initiated intercell bearer handover using basic setup
PT/BH/BV/	TC_PT_BH_BV_00	Active_locked; encryption enabled; PT initiated intracell bearer handover
	TC_PT_BH_BV_01	Active_locked; encryption enabled; PT initiated intercell bearer handover
PT/BR/CA/	TC_PT_BR_CA_00	Active_locked; unacknowledged release; FT sends release message
PT/DT/CA/	TC_PT_DT_CA_01	Active_locked; CS segment re-transmission till acknowledgement in the same ARQ window
	TC_PT_DT_CA_02	Active_locked; no transmission of new CS segment before acknowledgement
	TC_PT_DT_CA_03	Active_locked; numbering of the CS segments
	TC_PT_DT_CA_04	Active_locked; basic connection; switch on encryption mode

(continued)

Table 6 (concluded)

Test Case Index		
Test Group Reference	Test Case Id	Description
	TC_PT_DT_CA_05	Active_locked; basic connection; switch off encryption mode
PT/DT/BV/	TC_PT_DT_BV_00	Active_locked; basic connection; switch on encryption mode failure; connection release
	TC_PT_DT_BV_01	Active_locked; basic connection; switch off encryption mode failure; connection release
PT/DT/BI/	TC_PT_DT_BI_01	Active_locked; IN_minimum_delay data, A-field R-CRC error handling; respond Q2=0
PT/LM/CA/	TC_PT_LM_CA_00	Idle_locked; N200 management
	TC_PT_LM_CA_01	Idle_locked; T200 management
	TC_PT_LM_CA_02	Idle_locked; T207 management
	TC_PT_LM_CA_03	Idle_locked; T208 management
	TC_PT_LM_CA_04	Active_locked; T202 and N201 management; bearer handover on one particular bearer
Detailed Comments: 1. The PT 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 300 474-1 [27].

Table 7

No	ETS 300 444 [8]	DESCRIPTION	Status PT
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 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 PP 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.

4.4.6 User controlled volume control

The following modification applies to I-ETS 300 176 [16], subclause 15.10.

Condition for executing: If IUT does not incorporates an adaptive volume control in the PP.

When adjusting the volume control from nominal to maximum setting, the decrease in RLR_H shall not be less than 6 dB.

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] and [23] 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	Related to its reference timer, the PP synchronisation window shall be at least ± 4 bits for bearers to the RFP to which the reference timer is synchronised, and at least ± 10 bits for other bearers	
GAP/PH-3	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 403kHz (+0 % -10 %). Minimum transmitter deviation is defined as a signal whose peak deviation is 259kHz (+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 +2dBm) 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 Receiver timing tolerance of a PT

This test is in two parts. The purpose of Part 1 is to ensure that the PT is able to receive transmissions from the FT accurately under extreme conditions of reference timing changes at the FT. The purpose of Part 2 is to ensure that the PT is able to perform bearer and connection handovers between RFPs whose timings differ by an extreme value.

5.2.4.2.1 Definition

The "test timing pattern" used in part 1 simulates an RFP whose timing is both jittering and being adjusted to follow an external synchronisation source.

Jitter is simulated as follows: on even numbered frames the LT's timing will be advanced by 1µs ±0,1µs and on odd numbered frames the LT's timing will be in the nominal position.

Timing adjustment is simulated as follows: every 35th frame will be either 2 bits longer (positive adjustment) or 2 bits shorter (negative adjustment) than the nominal length.

5.2.4.2.2 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.

The reference timing accuracy of the LT shall be better than 1ppm. The inherent slot to slot jitter of the LT shall be less than ±0,1µs.

5.2.4.2.3 Method of measurement, Part 1

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 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;

d) the EUT shall be placed in a test mode whereby it performs the loopback function;

e) a test modulation signal D-M2 (see I-ETS 300 176 [16], subclause 5.8.4.4 item A) is generated by the LT;

f) the LT shall shift its reference timing, so that the position of p0 of the packets transmitted by the LT varies according to the test timing pattern defined the in PH_2.1, using a positive timing adjustment;

g) the LT shall calculate the BER of the EUT, testing at least 1,6 million bits;

h) parts c) to g) shall be repeated for RF channels c = 0 and 9;

i) parts c) to h) shall be repeated using a negative timing adjustment in part f).

5.2.4.2.4 Method of measurement, Part 2

a) The EUT shall be oriented in the reference position;

b) the LT shall be programmed to simulate two GAP compliant RFPs RFP1 and RFP2 within the same FP, supporting bearer handover but not connection handover;

c) the LT shall be programmed to shift the reference timing of RFP1 to RFP2 to +9 bits;

d) the LT shall be programmed to set the RF level of RFP1 at the EUT higher than the radio receiver reference sensitivity as defined in CTR6, suibclause 13.2 while the RF level of RFP2 shall be programmed lower than the radio receiver sensitivity of the EUT;

e) the EUT shall establish a connection to RFP1 using its normal operational protocol (not a test mode);

f) the LT shall program the RF level of RFP2 to the same value as RFP1;

g) the EUT shall be forced to perform a handover. This may be done lowering the RF level of RFP1 or by other means declared by the manufacturer;

h) the LT shall verify that the EUT performs the handover successfully;

i) parts d) to h) shall be repeated for shift of the reference timing as defined in c) of RFP1 to RFP2 to -9 bits;

j) parts c) to i) shall be repeated with the LT programmed to simulate two GAP compliant RFPs within the same FP, supporting connection handover but not bearer handover.

5.2.4.2.5 Verdict criteria for part 1

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

5.2.4.2.6 Verdict criteria for part 2

The EUT shall be able to make a handover to the second RFP successfully in all cases.

5.2.4.3 Transmission of Z-field

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

5.2.4.3.1 Definition

No additional definition applies for this test.

5.2.4.3.2 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.

5.2.4.3.3 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.

5.2.4.3.4 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 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 WK layer protocol

A.2.1.1 Addresses

Table A.1

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

A.2.1.2 Parameter values

Table A.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 A.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 A.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 A.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 A.6

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

A.2.2.2 Parameter values

Table A.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 A.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 A.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 A.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 A.11

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

A.2.3.2 Parameter values

Table A.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 A.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 A.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 A.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 A.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 A.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 A.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 A.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 to the DECT CI PIXITs questions information for testing related to the profile covering 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 A.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 Profile CTR

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

B.1.2 Implementation Under Test (IUT)

Name	
Version	
Protocol Specification	ETS 300 444 [8]
Profile ICS	ETS 300 474-1 [27]

B.1.3 Testing environment

Profile IXIT	ETS 300 494 [28]
Profile Specific Test Specification	ETS 300 494 [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: 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: 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: Further details see ISO 9646-5 [13], annex B, clause 4.

B.5 Static conformance review report

If clause B.3 indicates non-conformance, this clause itemises the mismatches between the ICS and the static conformance requirements of the referenced base specification.

Non-conformance indication		Comment
Item in ETS 300 476 [17]	Item in ETS 300 474-1 [27]	

B.6 Test campaign report

The following table lists the untestable test cases (if any).

NOTE: For further details see ISO 9646-5 [13], annex B, clause 6.

B.6.1 NWK layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_PT_CC_BV_OC_01				
TC_PT_CC_BV_OC_02				
TC_PT_CC_BV_OC_03				
TC_PT_CC_BV_OC_04				
TC_PT_CC_BV_IC_01				
TC_PT_CC_BV_IC_02				
TC_PT_CC_BV_CI_01				
TC_PT_CC_BV_CI_02				
TC_PT_CC_BV_CI_03				
TC_PT_CC_BV_CI_04				
TC_PT_CC_BV_CI_05				
TC_PT_CC_BV_CI_06				
TC_PT_CC_BV_CI_07				
TC_PT_CC_BV_CI_08				
TC_PT_CC_BV_CI_09				
TC_PT_CC_BV_CI_10				
TC_PT_CC_BV_CI_11				
TC_PT_CC_BV_CI_12				
TC_PT_CC_BV_CI_13				
TC_PT_CC_BV_CI_14				
TC_PT_CC_BV_CR_01				
TC_PT_CC_BV_CR_02				
TC_PT_CC_BV_CR_03				
TC_PT_CC_BV_CR_04				
TC_PT_CC_BV_CR_05				
TC_PT_CC_BV_CR_06				
TC_PT_CC_BV_CR_07				
TC_PT_CC_BV_CR_08				
TC_PT_CC_BV_CR_09				
TC_PT_CC_BV_CR_10				
TC_PT_CC_BV_CR_11				
TC_PT_CC_BV_RS_01				
TC_PT_CC_BO_01				
TC_PT_CC_BO_02				
TC_PT_CC_BI_01				
TC_PT_CC_BI_02				
TC_PT_CC_BI_03				
TC_PT_CC_BI_04				
TC_PT_CC_TI_01				
TC_PT_CC_TI_02				
TC_PT_CC_TI_03				

(continued)

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_PT_CC_TI_04				
TC_PT_MM_BV_ID_01				
TC_PT_MM_BV_ID_02				
TC_PT_MM_BV_ID_08				
TC_PT_MM_BV_AU_01				
TC_PT_MM_BV_AU_02				
TC_PT_MM_BV_AU_03				
TC_PT_MM_BV_AU_04				
TC_PT_MM_BV_AU_05				
TC_PT_MM_BV_AU_06				
TC_PT_MM_BV_AU_07				
TC_PT_MM_BV_AU_08				
TC_PT_MM_BV_AU_09				
TC_PT_MM_BV_LO_01				
TC_PT_MM_BV_LO_02				
TC_PT_MM_BV_LO_03				
TC_PT_MM_BV_LO_04				
TC_PT_MM_BV_LO_05				
TC_PT_MM_BV_LO_06				
TC_PT_MM_BV_LO_07				
TC_PT_MM_BV_LO_08				
TC_PT_MM_BV_LO_09				
TC_PT_MM_BV_AR_01				
TC_PT_MM_BV_AR_03				
TC_PT_MM_BV_AR_05				
TC_PT_MM_BV_AR_06				
TC_PT_MM_BV_AR_09				
TC_PT_MM_BV_AR_10				
TC_PT_MM_BV_KA_01				
TC_PT_MM_BV_KA_02				
TC_PT_MM_BV_KA_03				
TC_PT_MM_BV_CH_01				
TC_PT_MM_BV_CH_02				
TC_PT_MM_BV_CH_03				
TC_PT_MM_BV_CH_04				
TC_PT_MM_BV_CH_05				
TC_PT_MM_BO_01				
TC_PT_MM_BI_01				
TC_PT_MM_BI_02				
TC_PT_MM_BI_03				
TC_PT_MM_BI_04				
TC_PT_MM_TI_01				
TC_PT_MM_TI_02				
TC_PT_MM_TI_03				
TC_PT_MM_TI_04				
TC_PT_MM_TI_05				
TC_PT_ME_BV_01				
TC_PT_ME_BV_02				
TC_PT_ME_BV_03				

(continued)

(concluded)

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_PT_ME_BV_04				
TC_PT_ME_BV_05				
TC_PT_ME_BV_06				
TC_PT_ME_BV_07				
TC_PT_ME_BV_08				
TC_PT_ME_BV_09				
TC_PT_ME_BV_10				
TC_PT_ME_BV_11				
TC_PT_ME_BV_12				
TC_PT_ME_BV_13				
TC_PT_ME_BO_01				
TC_PT_LC_BV_LE_01				
TC_PT_LC_BV_LE_02				
TC_PT_LC_BV_LR_01				
TC_PT_LC_BV_LR_02				
TC_PT_LC_BV_LR_03				
TC_PT_LC_BI_01				
TC_PT_LC_BI_03				
TC_PT_LC_BI_04				
TC_FT_LC_TI_01				
TC_PT_LC_TI_02				

B.6.2 DLC layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_A_CA_000				
TC_A_CA_001				
TC_A_CA_005				
TC_A_CA_006				
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_BV_009				
TC_A_BV_010				
TC_A_BI_000				
TC_A_BI_001				
TC_A_BI_002				
TC_A_BI_003				
TC_A_BI_004				
TC_A_BI_005				
TC_A_BI_006				

(continued)

(concluded)

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
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_A_BO_000				
TC_A_BO_001				
TC_A_BO_002				
TC_A_BO_003				
TC_L_CA_000				
TC_0_CA_000				
TC_0_CA_001				

B.6.3 MAC layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
TC_PT_DB_BV_00				
TC_PT_DB_BV_01				
TC_PT_DB_BV_02				
TC_PT_PG_CA_00				
TC_PT_PG_CA_01				
TC_PT_PG_BV_00				
TC_PT_PG_BV_02				
TC_PT_PG_BV_03				
TC_PT_BS_CA_00				
TC_PT_BS_CA_01				
TC_PT_BS_BV_00				
TC_PT_BH_CA_00				
TC_PT_BH_CA_01				
TC_PT_BH_BV_00				
TC_PT_BH_BV_01				
TC_PT_BR_CA_00				
TC_PT_DT_CA_01				
TC_PT_DT_CA_02				
TC_PT_DT_CA_03				
TC_PT_DT_CA_04				
TC_PT_DT_CA_05				
TC_PT_DT_BV_00				
TC_PT_DT_BV_01				
TC_PT_DT_BI_01				
TC_PT_LM_CA_00				
TC_PT_LM_CA_01				
TC_PT_LM_CA_02				
TC_PT_LM_CA_03				
TC_PT_LM_CA_04				

B.6.4 PH layer

TC Name	Selected [Yes/No]	Run [Yes/No]	Verdict [P/F/I]	Observation
GAP_PH_1				
GAP_PH_2				
GAP_PH_3				

B.7 Observations

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

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

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 System Conformance Test Report (SCTR)

SCTR Number	
SCTR Date	
Test Laboratory Manager	
Signature	

C.1.2 Test Laboratory

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

C.1.3 Client

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

C.1.4 System Under Test (SUT)

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

C.1.5 Profile

Profile Identification	GAP; ETS 300 444 [8]
Profile Version	
Profile ICS	ETS 300 474-1 [27]
Profile Specific IXIT	ETS 300 494-2
PTS-Summary	ETS 300 494 [28]
PSTS	ETS 300 494-2

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 a SUT will interwork with other real open systems. Rather, passing of 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 subclauses 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.

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.

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 ATM and ATS that were used:

IUT Definition Reference	Protocol	ATM	ATS
	DECT NWK layer PT	Remote	ETS 300 494
	DECT DLC layer PT	Remote	ETS 300 494
	DECT MAC layer PT	Remote (modified)	ETS 300 494
	DECT PH layer PT	Not applicable	ETS 300 494

C.1.9 Comments

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 PT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 175-5 [5] ETS 300 444 [8]
Profile ICS	ETS 300 474-1 [27]
Profile IXIT	ETS 300 494-2
PCTR Number	
PCTR Date	
PSTS	ETS 300 [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 PT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 175-4 [4] ETS 300 444 [8]
Profile ICS	ETS 300 474-1 [27]
Profile IXIT	ETS 300 494-2
PCTR Number	
PCTR Date	
PSTS	ETS 300 494 [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 PT

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

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 175-2 [2] ETS 300 444 [8]
ICS	ETS 300 474-1 [27]
IXIT	ETS 300 494-2
PCTR Number	
PCTR Date	
PSTS	ETS 300 494 [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 [17]	-	
DECT DLC layer	ETS 300 175-4 [4]	ETS 300 476 [17]	-	
DECT MAC layer	ETS 300 175-3 [3]	ETS 300 476 [17]	-	
DECT PH layer	ETS 300 175-2 [2]	ETS 300 476 [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 300 474-1 [27]	ETS 300 494 [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
May 1996	Vote	V 102:	1996-05-06 to 1996-08-09