ETSI

Radio Equipment and Systems (RES);
Digital Enhanced Cordless Telecommunications/
Global System for Mobile communications
(DECT/GSM) Interworking Profile (IWP);
Profile Test Specification (PTS);
Profile Specific Test Specification (PSTS);
Part 2: Portable radio Termination (PT)

Contents

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 Digital Enhanced Cordless Communications/Global System for Mobile communication (DECT/GSM) Interworking Profile (IWP) Profile Test Specification (PTS) comprises three parts:

Part 1:   "Summary";

Part 2:   "Portable radio Termination (PT)";

Part 3:   "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 European Telecommunication Standard (ETS) contains the test specification for Digital Enhanced Cordless Telecommunications/Global System for Mobile communications (DECT/GSM) Interworking Profile (IWP), Portable Part (PP) applications as specified in ETS 300 370 [5].

The main objective of the DECT/GSM IWP test specification is to provide approval tests giving a high probability of air interface inter-operability between any DECT Fixed Part (FP) and any PP conforming to ETS 300 370 [5] offered by different manufacturers.

All PPs conforming to ETS 300 370 [5], as far as DECT Network (NWK) layer is concerned, are tested for conformance separately:

-       first to ETS 300 494-1 [11] and ETS 300 494-2 [12]; and

-       second to this ETS.

For the purpose of this ETS the Portable radio Termination (PT) uses an International Portable User Identity (IPUI) type R.

All PPs conforming to ETS 300 370 [5], as far as the Data Link Control (DLC) layer, the Medium Access Control (MAC) layer and the Physical (PHL) layer are concerned, are tested to ETS 300 494-1 [11] and ETS 300 494-2 [12].

ISO/IEC 9646 Parts 1 to 7 [13]- [18] are used as the basis for the test methodology, and as the basis for test case specification.

The test cases, if listed in this ETS, have been derived from ETS 300 497, Parts 1, 6 and 7 [8] - [10] or ETS 300 494-1 [11] and ETS 300 494-2 [12]. Additional DECT/GSM IWP specific test cases are included where required. The Profile Implementation Extra Information for Testing (IXIT) is based on ETS 300 497, Parts 1, 6 and 7 [8] - [10] and the General Access Profile, Profile IXIT ETS 300 494-1 [11] and ETS 300 494-2 [12].

Annex A contains the Abstract Test Suite (ATS).
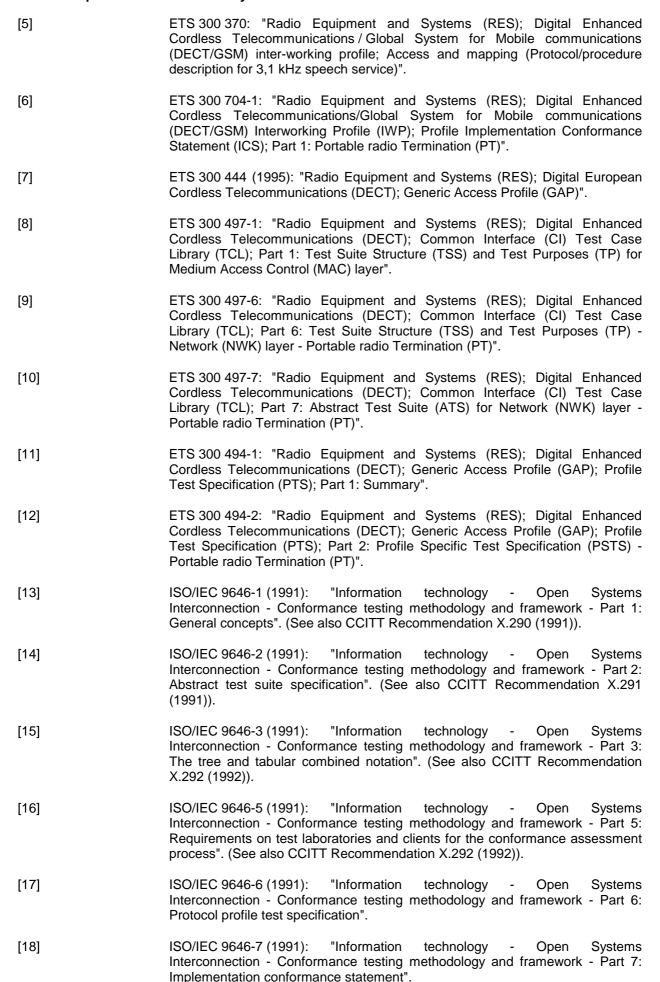
2   Normative references

This ETS incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to, or revisions of, any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

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

[2]   ETS 300 466: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications/Global System for Mobile Communications (DECT/GSM) interworking profile; General description of service requirements; Functional capabilities and information flows".

[3]   ETS 300 474, Part 1 and 2: "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".

[4]   ETS 300 476, Part 1 to 7: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma".

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

[6]   ETS 300 704-1: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications/Global System for Mobile communications (DECT/GSM) Interworking Profile (IWP); Profile Implementation Conformance Statement (ICS); Part 1: Portable radio Termination (PT)".

[7]   ETS 300 444 (1995): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Generic Access Profile (GAP)".

[8]   ETS 300 497-1: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Test Case Library (TCL); Part 1: Test Suite Structure (TSS) and Test Purposes (TP) for Medium Access Control (MAC) layer".

[9]   ETS 300 497-6: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Test Case Library (TCL); Part 6: Test Suite Structure (TSS) and Test Purposes (TP) - Network (NWK) layer - Portable radio Termination (PT)".

[10]   ETS 300 497-7: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Test Case Library (TCL); Part 7: Abstract Test Suite (ATS) for Network (NWK) layer - Portable radio Termination (PT)".

[11]   ETS 300 494-1: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile Test Specification (PTS); Part 1: Summary".

[12]   ETS 300 494-2: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile Test Specification (PTS); Part 2: Profile Specific Test Specification (PSTS) - Portable radio Termination (PT)".

[13]   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)).

[14]   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)).

[15]   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)).

[16]   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)).

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

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

3 Definitions and abbreviations

3.1 Definitions

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

- terms defined in ISO/IEC 9646 Parts 1 to 3 [13] - [15]and Parts 5 to 7 [16] - [18];

- definitions in ETS 300 370 [5];

- definitions in ETS 300 466 [2].

3.2 Abbreviations

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

ATS	Abstract Test Suite
CC	Call Control
CI	Common Interface
DLC	Data Link Control
FT	Fixed radio Termination
GAP	Generic Access Profile
GSM	Global System for Mobile Communications
ICS	Implementation Conformance Statement
IPUI	International Portable User Identity
IUT	Implementation Under Test
IWP	Interworking Profile
IXIT	Implementation Extra Information for Testing
LCE	Link Control Entity
LLME	Lower Layer Management Entity
LLN	Logical Link Number
MAC	Medium Access Control
MM	Mobility Management
NLF	New Link Flag
NWK	Network
PARK	Portable Access Rights Key
PHL	Physical
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation Extra Information for Testing
PP	Portable Part
PSTS	Profile Specific Test Specification
PT	Portable radio Termination
PTS	Profile Test Specification
SARI	Secondary Access Rights Identity
SUT	System Under Test
TCL	Test Case Library
TPUI	Temporary Portable User Identity
TS	Test System
TSO	Test Suite Overview
TSS&TP	Test Suite Structure & Test Purposes
TTCN	Tree and Tabular Combined Notation

4 Relevant test cases list

4.1 Network (NWK) layer

This subclause includes lists of test suite groups and abstract test cases, relevant for DECT/GSM IWP derived from ETS 300 497-7 [10] and ETS 300 494-2 [12].

If a test purpose, described in ETS 300 497-6 [9], is outside the scope of the DECT/GSM IWP the name of the relevant test case is excluded from the list.

NOTE: Exclusion of a test case may lead to exclusion of test steps, constraints, etc. and this should be taken into account when extracting the relevant information from ETS 300 497-7 [10].

If a test purpose, described in ETS 300 497-6 [9], is within the scope of the DECT/GSM IWP the name of the relevant test case is included into the list.

4.1.1 Test suite structure

Table 1: Test suite structure

Test suite structure	
Suite name:	nwk_pt
Standards ref.:	ETS 300 370 [5]; ETS 300 497-7 [10]; ETS 300 494-2 [12]
Profile ICS ref.:	ETS 300 704-1 [6]
Profile IXIT ref.:	ETS 300 702-2 (this ETS)
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 test 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 behaviour to set-up an outgoing call
PT/CC/BV/IC/	To check the IUT's behaviour to set-up 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 behaviour to release an outgoing/incoming call
PT/CC/BV/HO/	To check the IUT's behaviour to perform External Handover
PT/MM/	To check the behaviour of the 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/CH/	To check the IUT's behaviour concerning the ciphering related procedures
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/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
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 case index		
Test group reference	**Test case identity**	**Description**
PT/CC/BV/OC/	No relevant test cases	-
PT/CC/BV/IC/	No relevant test cases	-
PT/CC/BV/CI/	No relevant test cases	-
PT/CC/BV/CR/	No relevant test cases	-
PT/MM/BV/ID/	No relevant test cases	-
PT/MM/BV/AU/	No relevant test cases	-
PT/MM/BV/LO/	No relevant test cases	-
PT/MM/BV/CH/	No relevant test cases	-
PT/ME/BV/	No relevant test cases	-
PT/LC/BV/LE/	No relevant test cases	-
Detailed comments:		
1) The PT is the IUT.		

4.2 Data Link Control (DLC) layer

All test cases for DLC layer as specified in ETS 300 494-2 [12] apply.

4.3 Medium Access Control (MAC) layer

All test cases for MAC layer as specified in ETS 300 494-2 [12] apply.

4.4 Physical (PHL) layer

All test cases for PHL layer as specified in ETS 300 494-2 [12] apply.

5 Replacement lists

5.1 General

The following subclauses list all the necessary replacements due to specific DECT/GSM IWP requirements, in the following ways:

a)   if a test purpose is still valid but the relevant test case is not usable (e.g. because of specific requirements to the information flow it requires additional test steps to be added to the behaviour tree), the test case name identifier, as specified in ETS 300 497-7 [10], and preceded by ETS 300 497-7 [10], is listed together with the test case name identifier of the test specified in this ETS (see subclause 5.2);

b)   some of the test cases can be re-used but with replacement of the contents of some of the test step used in the behaviour description (e.g. preambles for CC testing does not include obtaining access rights procedure), the test step name identifier, as specified in ETS 300 497-7 [10] and preceded by ETS 300 497-7 [10], is listed together with the test step name identifier of the test step specified in this ETS (see subclause 5.3);

c)   some of the test cases can be re-used but with replacement of the contents of some of the constraints used in the behaviour description (e.g. a message used need to include an additional information element), the constraint name identifier, as specified in ETS 300 497-7 [10] and preceded by ETS 300 497-7 [10], is listed together with the constraint name identifier of the test constraint specified in this (see subclause 5.4).

In addition, all the test cases listed in subclause 4.1.2, that are used unchanged for the purposes of this ETS but are impacted by changes in test steps or constraints they use are listed in subclause 5.5.

5.2   Test case replacement list

Table 3: Test case replacement list

Test case index		
Test case identity in Test Case Library (TCL)	**Test case identity DECT/GSM IWP**	**Description**
(TCL) TP/PT/CC/BV/OC-07	(DECT/GSM) TP/PT/CC/BV/OC-22	Reference, comments, behaviour description and detailed comments changed
(TCL) TP/PT/MM/BV/ID-01	(DECT/GSM) TP/PT/MM/BV/ID-21	Reference, comments, behaviour description and detailed comments changed
(TCL) TP/PT/MM/BV/ID-05	(DECT/GSM) TP/PT/MM/BV/ID-24	Reference, comments, behaviour description and detailed comments changed
(TCL) TP/PT/MM/BV/AU-01	(DECT/GSM) TP/PT/MM/BV/AU-20	Reference, comments, behaviour description, constraints reference and detailed comments changed
(TCL) TP/PT/MM/BV/LO-05	(DECT/GSM) TP/PT/MM/BV/LO-20	Reference, comments, behaviour description, constraints reference and detailed comments changed
(TCL) TP/PT/MM/BV/CH-03	(DECT/GSM) TP/PT/MM/BV/CH-06	Reference, behaviour description, constraints reference and detailed comments changed
(TCL) TP/PT/MM/BV/CH-04	(DECT/GSM) TP/PT/MM/BV/CH-07	Reference, behaviour description, constraints reference and detailed comments changed
(TCL) TP/PT/LC/BV/LE-02	(DECT/GSM) TP/PT/LC/BV/LE-03	Reference, comments, behaviour description, and detailed comments changed
(TCL) TP/PT/ME/BV-07	(DECT/GSM) TP/PT/ME/BV-20	Reference, comments and behaviour description, and detailed comments changed

5.3   Test step replacement list

Table 4: Test step replacement list

Test step index		
Test step identity in Test Case Library (TCL)	**Test step identity DECT/GSM IWP**	**Description**
PR_goto_t01	PR_goto_t01	Behaviour description changed
PR_goto_t10	PR_goto_t10	Objective, Behaviour description and Constraints reference changed
STP_receive_digit_info	STP_receive_digit_info	Comments and behaviour description changed
STP_perform_ft_init_ ciphering_on	STP_perform_ft_init_ ciphering_on	Constraints reference changed
STP_perform_paging	STP_perform_paging	Constraints reference changed
DF_handle_mm_events	DF_handle_mm_events	Behaviour description changed
DF_handle_mm_timeout	DF_handle_mm_timeout	Behaviour description changed

5.4 Constraint replacement list

Table 5: Constraint replacement list

Constraint index		
Constraint identity in Test Case Library (TCL)	**Constraint identity DECT/GSM IWP**	**Description**
Cc_setup_rx01	Cc_setup_rx01	Comments, field names and field values changed
Locate_accept_tx_base	Locate_accept_tx_base	Comments, field names and field values changed
Locate_accept_tx01	Locate_accept_tx01	Comments, field names and field values changed
Locate_accept_tx02	Locate_accept_tx02	Field values changed
Locate_request_rx01	Locate_request_rx01	Comments, field names and field values changed
Locate_request_rx02	Locate_request_rx02	Comments, field names and field values changed

5.5 Test cases impacted by replacements outside of the test case description

Table 6: Test cases impacted by replacements outside of the test case description

Test Case Index	
Test case identity in Test Case Library (TCL)	**Modified item**

6 Additional test cases list

6.1 Test purposes

This subclause includes the all test purposes developed for covering the DECT/GSM IWP NWK layer requirements not included in ETS 300 497-6 [9] or ETS 300 494-2 [12].

6.1.1 Test purposes for Call Control (CC)

6.1.1.1 Outgoing call

Table 7: Outgoing call

No.	Test purpose	Comment
(DECT/GSM) TP/PT/CC/BV/OC-21	Ref.: ETS 300 175-5 [1], subclauses 9.1, 9.2, and 9.3.1, ETS 300 370 [5], subclauses 6.1.1.1 and 6.3.1.1 Initial state: T-00 Verify that the IUT is able to perform a CC-state transition from the T-00 state to T-10 state via T-01 , T-02, T-03 and T-04 for an outgoing normal call set-up. PT may request the call using one of the following methods to transfer the dialling information: - en-bloc method to transfer dialling information in <<Called party number>> information element of {CC-SETUP} message; - piecewise method to transfer dialling information <<Multi keypad>> information element(s) of {CC-INFO} message in state T-02; - en-bloc method to transfer dialling information in <<Called party number>> INFORMATION ELEMENT of {CC-INFO} message.	
(DECT/GSM) TP/PT/CC/BV/OC-22	Ref.: ETS 300 175-5 [1], subclauses 9.1, 9.2, and 9.3.1, ETS 300 370 [5], subclauses 6.1.1.2 and 6.3.1.1 Initial state: T-00 Verify that the IUT is able to perform an emergency call set-up.	
(DECT/GSM) TP/PT/CC/BV/OC-23	Ref.: ETS 300 175-5 [1], subclauses 9.1, 9.2, and 9.3.1, ETS 300 370 [5], subclauses 6.1.1.1 and 6.3.1.1 Initial state: T-00 Verify that the IUT is able to perform a CC-state transition from the T-00 state to T-10 state via T-01 , T-02, T-03 and T-04 for an outgoing normal call set-up with TPUI. PT may request the call using one of the following methods to transfer the dialling information: - en-bloc method to transfer dialling information in <<Called party number>> information element of {CC-SETUP} message; - piecewise method to transfer dialling information <<Multi keypad>> information element(s) of {CC-INFO} message in state T-02; - en-bloc method to transfer dialling information in <<Called party number>> INFORMATION ELEMENT of {CC-INFO} message.	

6.1.1.2 Incoming call

Table 8: Incoming call

No.	Test purpose	Comment
(DECT/GSM) TP/PT/CC/BV/IC-21	Ref.: ETS 300 175-5 [1], subclauses 9.1, 9.2, and 9.3.2, ETS 300 370 [5], subclause 6.1.1.3 Initial state: T-00 Verify that the IUT is able to process an incoming call. PT answer will determine one of the following transmissions: - via the states T-06, T-07 and T-08 to the state T-10; - via the states T-06, and T-08 to the state T-10. The <<Signal>> information element is in the {CC-INFO} message	
(DECT/GSM) TP/PT/CC/BV/IC-22	Ref.: ETS 300 175-5 [1], subclauses 9.1, 9.2, and 9.3.2, ETS 300 370 [5], subclause 6.1.1.3 Initial state: T-00 Verify that the IUT is able to process an incoming call. PT answer will determine one of the following transmissions: - via the states T-06, T-07 and T-08 to the state T-10; - via the states T-06, and T-08 to the state T-10. The <<Signal>> information element is in the {CC-SETUP} message	

6.1.1.3 Information transfer procedures

Table 9: Information transfer procedures

No.	Test purpose	Comment
(DECT/GSM) TP/PT/CC/BV/CI-21	Ref.: ETS 300 175-5 [1], subclause 9.3.1.5, ETS 300 370 [5], subclause 6.1.4.3, figure 33 Initial state: T-10 Verify that the IUT, after the user has invoked DTMF dialling with infinite tone length, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info "16H" (goto DTMF, infinite tone length) and a selected digit (0...9, A-D, *, #). The FT (MSC) sends Acknowledge.	
(DECT/GSM) TP/PT/CC/BV/CI-22	Ref.: ETS 300 175-5 [1], subclause 9.3.1.5, ETS 300 370 [5], subclause 6.1.4.3, figure 34 Initial state: T-10 Verify that the IUT, after the user has invoked DTMF dialling with infinite tone length, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info "16H" (goto DTMF, infinite tone length) and a selected digit (0...9, A-D, *, #). The FT (MSC) sends Reject.	
(DECT/GSM) TP/PT/CC/BV/CI-23	Ref.: ETS 300 175-5 [1], subclause 9.3.1.5, ETS 300 370 [5], subclause 6.1.4.3, figure 35 Initial state: T-10 Verify that the IUT, after the user has cancelled DTMF dialling with infinite tone length, sends a {CC-INFO} message with a <<MULTI-KEYPAD>> information element containing keypad-info "00H" (cancel DTMF tone). The FT (MSC) sends Acknowledge.	

6.1.1.4 Call release

Table 10: Call release

No.	Test purpose	Comment
(DECT/GSM) TP/PT/CC/BV/CR-21	Ref.: ETS 300 175-5 [1], subclause 9.5.2 ETS 300 370 [5], subclauses 6.1.1.7 and 6.3.1.2 Initial state: T-01 Verify that the IUT is able to process a FT (PLMN) initiated DECT abnormal release procedure with <<Release reason>> in {CC-RELEASE-COM} message set to "Unknown identity". PT shall delete the LAI, the Cipher key, the Cipher key number and the TMSI. After the procedure has been accomplished PT shall initiate location registration procedure.	
(DECT/GSM) TP/PT/CC/BV/CR-22	Ref.: ETS 300 175-5 [1], subclause 9.5.2 ETS 300 370 [5], subclauses 6.1.1.5 and 6.3.1.2 Initial state: T-01 Verify that the IUT is able to process a FT (PLMN) initiated DECT abnormal release procedure with <<Release reason>> in {CC-RELEASE-COM} message set to "Invalid identity". PT shall delete the LAI, the Cipher key, the Cipher key number and the TMSI.	
(DECT/GSM) TP/PT/CC/BV/CR-23	Ref.: ETS 300 175-5 [1], subclause 9.5.2 ETS 300 370 [5], subclauses 6.1.1.7 and 6.3.1.2 Initial state: T-01 Verify that the IUT is able to process a FT (PLMN) initiated DECT normal release procedure with <<Release reason>> in {CC-RELEASE-COM} message set to "Unknown identity". PT shall delete the LAI, the Cipher key, the Cipher key number and the TMSI. After the procedure has been accomplished PT shall initiate location registration procedure.	
(DECT/GSM) TP/PT/CC/BV/CR-24	Ref.: ETS 300 175-5 [1], subclause 9.5.2 ETS 300 370 [5], subclauses 6.1.1.5 and 6.3.1.2 Initial state: T-01 Verify that the IUT is able to process a FT (PLMN) initiated DECT normal release procedure with <<Release reason>> in {CC-RELEASE-COM} message set to "Invalid identity". PT shall delete the LAI, the Cipher key, the Cipher key number and the TMSI.	

6.1.1.5 External Handover

Table 11: External Handover

No.	Test purpose	Comment
(DECT/GSM) TP/PT/CC/BV/HO-01	Ref.: ETS 300 175-5 [1], subclause 15.7 ETS 300 370 [5], subclauses 6.1.2.9 and 6.3.2.7 Initial state: T-10 Verify that the IUT is able to perform a successful external handover procedure.	
(DECT/GSM) TP/PT/CC/BV/HO-02	Ref.: ETS 300 175-5 [1], subclause 15.7 ETS 300 370 [5], subclauses 6.1.2.9.6.1 and 6.3.2.7.6 Initial state: T-10 Verify that the IUT is able to handle an IUT initiated handover reject during an external handover procedure correctly.	
(DECT/GSM) TP/PT/CC/BV/HO-03	Ref.: ETS 300 175-5 [1], subclause 15.7 ETS 300 370 [5], subclauses 6.1.2.9.6.2 and 6.3.2.7.6 Initial state: T-10 Verify that the IUT is able to handle a FP-1 initiated handover reject during an external handover procedure correctly.	
(DECT/GSM) TP/PT/CC/BV/HO-04	Ref.: ETS 300 175-5 [1], subclause 15.7 ETS 300 370 [5], subclauses 6.1.2.9.6.4 and 6.3.2.7.6 Initial state: T-10 Verify that the IUT is able to handle a MSC initiated handover reject during an external handover procedure correctly.	

6.1.2 Test purposes for Mobility Management (MM)

6.1.2.1 Identity procedures

Table 12: Identity procedures

No.	Test purpose	Comment
(DECT/GSM) TP/PT/MM/BV/ID-21	Ref.: ETS 300 175-5 [1], subclause 13.2.1 ETS 300 370 [5], subclause 6.3.2.2 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying "Portable identity" and "IPUI", returns an {IDENTITY-REPLY} message with the IMSI.	
(DECT/GSM) TP/PT/MM/BV/ID-22	Ref.: ETS 300 175-5 [1], subclause 13.2.1 ETS 300 370 [5], subclause 6.3.2.2 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying "Portable identity" and "IPEI", returns an {IDENTITY-REPLY} message with the IPEI.	
(DECT/GSM) TP/PT/MM/BV/ID-23	Ref.: ETS 300 175-5 [1], subclause 13.2.1 ETS 300 370 [5], subclause 6.3.2.2 Verify that the IUT, on receipt of an {IDENTITY-REQUEST} message specifying "NWK assigned identity" and "GSM TMSI", returns an {IDENTITY-REPLY} message with the TMSI.	
(DECT/GSM) TP/PT/MM/BV/ID-24	Ref.: ETS 300 175-5 [1], subclause 13.2.2 ETS 300 370 [5], subclause 6.3.2.5 Verify that the IUT is able to operate the basic temporary identity assign procedure.	

6.1.2.2 Authentication procedures

Table 13: Authentication procedures

No.	Test purpose	Comment
(DECT/GSM) TP/PT/MM/BV/AU-20	Ref.: ETS 300 175-5 [1], subclause 13.3.1 ETS 300 370 [5], subclause 6.3.2.1 Verify that if the PT is able to operate the basic authentication of the PT procedure.	
(DECT/GSM) TP/PT/MM/BV/AU-21	Ref.: ETS 300 175-5 [1], subclause 13.3.1 ETS 300 370 [5], subclause 6.3.2.1 Verify that if the PT authentication is not accepted and but rejected by the MSC, the IUT, on receipt of a {MM-INFO-SUGGEST} message indicating <<Authentication failure>>, will delete LAI, TMSI and Cipher key sequence number.	

6.1.2.3 Location registration procedures

Table 14: Location registration procedures

No.	Test purpose	Comment
(DECT/GSM) TP/PT/MM/BV/LO-20	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT is capable to operate the basic location registration procedure (Attach) after it is switched on for the first time. FT does not perform TPUI but TMSI assignment.	
(DECT/GSM) TP/PT/MM/BV/LO-21	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT is capable to operate the basic location registration procedure (Attach) after it is switched on for the first time. FT performs TPUI and TMSI assignment.	
(DECT/GSM) TP/PT/MM/BV/LO-22	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, if DECT location area changes but GSM does not, is able to operate location registration procedure. FT performs TPUI assignment.	
(DECT/GSM) TP/PT/MM/BV/LO-23	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, if DECT and GSM location areas change, is able to operate location registration procedure. FT performs TPUI and TMSI assignment.	
(DECT/GSM) TP/PT/MM/BV/LO-24	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, if GSM location area changes and no DECT location areas exist, is able to operate location registration procedure. FT performs TMSI assignment. **NOT TESTABLE**	
(DECT/GSM) TP/PT/MM/BV/LO-25	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, if GSM location area changes and no DECT location areas exist, is able to operate location registration procedure. FT sends invalid TMSI. **NOT TESTABLE**	
(DECT/GSM) TP/PT/MM/BV/LO-26	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, is able to operate detach procedure. **NOT TESTABLE**	
(DECT/GSM) TP/PT/MM/BV/LO-27	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, on receipt of a {LOCATE-REJECT} message with <<Reject reason>> set to "IPUI unknown", will delete LAI, Cipher key, Cipher key number and TMSI and shall not initiate neither location registration procedure nor detach procedure.	
	(continued)	

Table 14 (concluded): Location registration procedures

No.	Test purpose	Comment
(DECT/GSM) TP/PT/MM/BV/LO-28	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, on receipt of a {LOCATE-REJECT} message with <<Reject reason>> set to "IPUI not accepted", will delete LAI, Cipher key, Cipher key number and TMSI and shall not initiate neither location registration procedure nor detach procedure.	
(DECT/GSM) TP/PT/MM/BV/LO-29	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, on receipt of a {LOCATE-REJECT} message with <<Reject reason>> set to "PLMN not allowed", will store the ARI value in the forbidden PLMNs list, delete LAI, Cipher key, Cipher key number and TMSI and shall not initiate location registration procedure until broadcasted ARI changes, nor detach procedure.	
(DECT/GSM) TP/PT/MM/BV/LO-30	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, on receipt of a {LOCATE-REJECT} message with <<Reject reason>> set to "Location area not allowed", will delete LAI, Cipher key, Cipher key number and TMSI and shall not initiate location registration procedure before DECT location area changes, nor detach procedure. FT performs location update.	
(DECT/GSM) TP/PT/MM/BV/LO-31	Ref.: ETS 300 175-5 [1], subclause 13.4.1 ETS 300 370 [5], subclauses 6.3.2.3 and 6.1.2.3 Pre-condition: No CC call in progress. Verify that the IUT, if DECT location area changes but GSM does not, is able to operate location registration procedure. FT performs TPUI assignment and allows use of TPUI. A new location registration is performed with the assigned TPUI.	

6.1.2.4   Ciphering procedures

Table 15: Ciphering procedures

No.	Test purpose	Comment
(DECT/GSM) TP/PT/MM/BV/CH-06	Ref.: ETS 300 175-5 [1], subclause 13.8 ETS 300 370 [5], subclauses 6.3.2.6 and 6.1.2.6 Verify that the IUT, being in unciphered mode, is able to operate the basic FT (invoked by the MSC) initiated cipher-switching procedure requesting "cipher-on".	
(DECT/GSM) TP/PT/MM/BV/CH-07	Ref.: ETS 300 175-5 [1], subclause 13.8 ETS 300 370 [5], subclauses 6.3.2.6 and 6.1.2.6 Verify that the IUT, being in ciphered mode, is able to operate the basic FT (invoked by the MSC) initiated cipher-switching procedure requesting "cipher-off".	

6.1.3 Test purposes for LCE

Table 16: Test purposes for LCE

No.	Test purpose	Comment
(DECT/GSM) TP/PT/LC/BV/LE-03	Ref.: ETS 300 175-5 [1], subclause 14.2.3 ETS 300 370 [5], subclauses 6.3.3 and 6.1.3 Initial state: T-00 Verify that the IUT is able to respond to indirect (paged) FT-initiated link establishment request which uses a short address request paging and contains correct identity.	
(DECT/GSM) TP/PT/LC/BV/LE-04	Ref.: ETS 300 175-5 [1], subclause 14.2.3 ETS 300 370 [5], subclauses 6.3.3 and 6.1.3 Initial state: T-00 Verify that the IUT is able to respond to indirect (paged) FT-initiated link establishment request which uses a short address request paging and contains correct identity (assigned TPUI during location registration).	

6.1.4 Test purposes for LLME

Table 17: Test purposes for LLME

No.	Test purpose	Comment
(DECT/GSM) TP/PT/ME/BV-20	Ref.: ETS 300 175-5 [1], subclause 15.5 ETS 300 370 [5], subclause 6.1.2.7 Verify that the IUT is able to perform the FT initiated cipher-switching procedure (invoked by the MSC), before reception of a {CC_SETUP_ACK} message during an outgoing call establishment.	
(DECT/GSM) TP/PT/ME/BV-21	Ref.: ETS 300 175-5 [1], subclause 15.5 ETS 300 370 [5], subclause 6.1.2.7 Verify that the IUT is able to restart the relevant CC timer, on receipt of a {CC-NOTIFY} message, when the first answer to an outgoing call set-up request from the IUT is delayed by the GSM CM service procedure and interrupted by a FT (GSM) initiated ciphering procedure.	

Annex A (normative): Abstract Test Suite (ATS) for NWK testing (DECT/GSM IWP specific)

The ATS is written in TTCN according to ISO/IEC 9646-3 [15].

As the ATS was developed on a separate TTCN tool the TTCN tables are not completely referenced in the contents table. The ATS itself contains a Test Suite Overview (TSO) part which provides additional information and references about the ATS.

NOTE: According to ISO/IEC 9646-3 [15], in case of a conflict in interpretation of the operational semantics of TTCN.GR and TTCN.MP, the operational semantics of the TTCN.GR representation takes precedence.

A.1 The machine processable ATS (TTCN.MP)

The electronic form of the machine processable file (TTCN MP format) corresponding to this ATS is contained in an ASCII text file (DEV7022.MP) (see note) associated with this ETS.

NOTE: This file is located in a compressed archive file named 7022_ev.LZH. Other file formats are available on request.

A.2 The graphical ATS (TTCN.GR)

The graphical ATS is contained in electronic form (TTCN.GR format) corresponding to this ATS is contained in a Postscript print text file (DEV7022.PS) (see note) associated with this ETS.

NOTE: This file is located in a compressed archive file named 7022_ev.LZH. Other file formats are available on request.

Annex B (normative): Profile Implementation Extra Information for Testing (IXIT) 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 PIXIT proforma in this annex so that it can be used for its intended purposes and may further publish the completed PIXIT.

The PIXIT Proforma is based on ISO/IEC 9646-6 [17]. Any additional information needed can be found in this ISO/IEC standard.

B.1 General

This annex specifies restrictions on answers, and additional questions to (and is intended to be used with) the IXIT proforma specified in ETS 300 497-7 [10] or ETS 300 494-2 [12].

B.2 Profile XRL NWK layer protocol

This clause specifies restrictions on answers relevant to DECT/GSM IWP PTS, NWK layer. If a question exists in the relevant DECT CI or GAP IXIT but is not listed in the tables of this clause this means that such a question does not need modifications and is fully applicable for DECT/GSM IWP.

B.2.1 Addresses

Table B.1: Addresses

No.	SAP addresses	
	To IUT	**To TS**
Comments:		

B.2.2 Parameter values

Table B.2: Parameter values

No.	Parameter name	Parameter value	Profile ICS clause	Parameter range	Parameter value	Comment
1	TSPX_tmsi_ value			BIT_32		Value of TMSI to be used, when assigning a TMSI to the IUT
2	TSPX_extended _location_ information			OCT_7		Value of ELI to be used, when assigning a ELI to the IUT
3	TSPX_rand_ value			BIT_128		Value of rand to be used during PT authentication procedure
4	TSPX_cc_ckn_ gsm			BIT_4		Value of cipher key number to be used during PT authentication procedure
Detailed comments:						

B.2.3   Timer values

Table B.3: Timer values

No.	Timer name type	Profile ICS clause	Timer range	Timer value	Comment
Detailed comments:					

B.2.4   Counter values

Table B.4: Counter values

No.	Counter name type	Profile ICS clause	Counter range	Counter value	Comment
Detailed comments:					

B.2.5   Protocol constants values

Table B.5: Protocol constants values

No.	Constant name	Profile ICS clause	Constant value	Comment
1	TSPX_ipui_value	(GSPICS) Table A.63		Note
Detailed comments:				
NOTE: If the number of identity digits is even the digit "9" shall be added at the end, see ETS 300 175-5 [1] subclause 7.7.30, IPUI R.				

B.2.6   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.

B.3   Profile specific IXIT NWK layer

This clause contains, additional to the DECT/GSM IWP Profile IXIT questions, information for testing related to the profile covering requirements of the DECT/GSM IWP PSTS.

Table B.6

No.	Parameter name	Parameter value	Profile ICS clause	Parameter range	Parameter value	Comment
1	TSPX_tmsi_ value			BIT_32		Value of TMSI to be used when assigning a TMSI to the IUT
2	TSPX_extended_l ocation_ information			OCT_7		Value of ELI to be used when assigning an ELI to the IUT
3	TSPX_rand_value			BIT_128		Value of rand to be used during PT authentication procedure
4	TSPX_cc_ckn_ gsm			BIT_4		Value of cipher key number to be used during PT authentication procedure
Detailed comments:						

B.3.1   Configuration constraints

This subclause includes constraints on the configuration of the IUT to restrict its operation to the DECT/GSM IWP only.

No constraints on the configuration of the IUT required.

Annex C (normative): Profile Conformance Test Report (Profile CTR) 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.

C.1 Identification summary

C.1.1 Profile CTR

PCTR number	
PCTR date	
Test laboratory	
Accreditation status	
Accreditation reference	
Technical authority	
Job title	
Signature	
Test laboratory manager	
Signature	

C.1.2 Implementation Under Test (IUT)

Name	
Version	
Protocol Specification	ETS 300 370
Profile ICS	ETS 300 704-1

C.1.3 Testing environment

Profile IXIT	ETS 300 702-2
Profile specific test specification	ETS 300 702-2
ATM	Remote
MOT	
Period of testing	
Conformance log reference	
Retention date of log reference	

C.1.4 Limits and reservations

The order of test cases listed in clause C.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 C.1.2, as presented for test in the period declared in subclauses C.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.

C.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:	

C.2   IUT conformance status

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

NOTE: For further details see ISO 9646-5 [16], annex B clause 2.

C.3   Static conformance summary

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

NOTE: For further details see ISO 9646-5 [16], annex B clause 3.

C.4   Dynamic conformance summary

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

NOTE: For further details see ISO 9646-5 [16], annex B clause 4.

C.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 and profile specifications.

Non-conformance indication			Comment
Item in ETS 300 476	**Item in ETS 300 474**	**Item in ETS 300 704**	

C.6 Test campaign report

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

NOTE: For further details see ISO 9646-5 [16], annex B clause 6.

C.6.1 NWK layer

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

C.7 Observations

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

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

D.1 Identification summary

D.1.1 System conformance test report

SCTR number	
SCTR date	
Test laboratory manager	
Signature	

D.1.2 Test laboratory

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

D.1.3 Client

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

D.1.4 System Under Test (SUT)

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

D.1.5 Profile

Profile identification	ETS 300 370
Profile version	
Profile ICS	ETS 300 704-1
Profile specific IXIT	ETS 300 702-2
PTS-summary	ETS 300 702-1
PSTS	ETS 300 702-2

D.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 Open Systems Interconnection (OSI) protocols makes exhaustive testing impractical on both technical and economic grounds. Furthermore, there is no guarantee that an SUT which has passed all the relevant test cases conforms to a specification. Neither is there any guarantee that such an SUT will interwork with other real open systems. Rather, the 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.

D.1.7   Limits and reservations

The test results presented in this test report apply only to the particular SUT and component IUTs declared in subclause D.1.4 and D.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 D.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.

D.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 (ATM) and Abstract Test Suite (ATS) that were used:

IUT Definition Reference	Protocol	ATM	ATS
	DECT NWK layer PT	Remote	ETS 300 702-2
	DECT DLC layer PT	Remote	ETS 300 494-2
	DECT MAC layer PT	Remote (modified)	ETS 300 494-2
	DECT PH layer PT	Not applicable	ETS 300 494-2

D.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.

D.2   System Report Summary

D.2.1   Profile testing summary for DECT/GSM IWP NWK layer PT

Accreditation status	
Accreditation reference	
Implementation identifier	
IUT definition reference	
Protocol specification	ETS 300 370 ETS 300 175-5 ETS 300 444
Profile ICS	ETS 300 704-1
Profile IXIT	ETS 300 702-2
PCTR number	
PCTR date	
PSTS	ETS 300 702-2
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 for this protocol, an additional summary may be given on aspect of non conformance. Any difficulties encountered may be reported here.

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

E.1   Identification summary

E.1.1   SCS identification

SCS serial number	
SCS date	

E.1.2   IUT identification

Trade name	
Type	
Version	
Serial number	

E.1.3   Client identification

Company	
Street number	
Postal code/city	
Country	
Contact person name	
Telephone	
Telefax	
Telex	
Teletex	
E-mail	

E.1.4   Supplier identification

Company	
Street number	
Postal code/city	
Country	
Contact person name	
Telephone	
Telefax	
Telex	
Teletex	
E-mail	

E.1.5   Manufacturer identification

(If different from client).

Company	
Street number	
Postal code/city	
Country	
Contact person name	
Telephone	
Telefax	
Telex	
Teletex	
E-mail	

E.1.6 Protocols identification

Protocol Name	Specification Reference	PICS Reference	PCTR Reference	PCTR Reference from previous campaign
DECT NWK layer	ETS 300 175 - 5	ETS 300 476-1	-	
DECT DLC layer	ETS 300 175 - 4	ETS 300 476-2	-	
DECT MAC layer	ETS 300 175 - 3	ETS 300 476-3	-	
DECT PH layer	ETS 300 175 - 2	ETS 300 476-7	-	

E.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	ETS 300 474-1	ETS 300 494-2	

Profile Identifier	Specification Reference	Profile ICS Specific Reference	SCTR Reference	SCTR reference from previous campaign
DECT/GSM IWP	ETS 300 370	ETS 300 704-1	ETS 300 702-2	

E.2 Miscellaneous system information

E.2.1 Configuration

Environment	Which one?
CPU type	
Bus-system	
Operating system name	
Additional	

E.2.2 Other information

History

Document history			
June 1996	Public Enquiry	PE 108:	1996-06-24 to 1996-10-18
January 1997	Vote	V 9711:	1997-01-14 to 1997-03-14