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**Radio Equipment and Systems (RES);  
Digital European Cordless Telecommunications (DECT)  
Public Access Profile (PAP) test specification  
Part 7: FT PIXIT proforma**

**ETSI**

European Telecommunications Standards Institute

**ETSI Secretariat**

**Postal address:** F-06921 Sophia Antipolis CEDEX - FRANCE

**Office address:** 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

**X.400:** c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

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## Foreword

This European Telecommunication Standard (ETS) has been produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

Details of the DECT Common Interface may be found in ETS 300 175 Parts 1 to 9 [1] to [9].

Further details of the DECT system may be found in the ETSI Technical Reports, ETR 015, "Digital European Cordless Telecommunications Reference document", ETR 043 "Digital European Cordless Telecommunications Services and facilities requirements specification", and ETR 056 "Digital European Cordless Telecommunications system description document".

The PAP test specification ETS comprises seven parts:

- Part 1: Overview.
- Part 2: Portable radio Termination (PT) Abstract Test Suite (ATS)- versions available in both ISO 9646 TTCN.MP format (electronic) and TTCN.GR format (paper).
- Part 3: Portable radio Termination (PT) Protocol Implementation Conformance Statement (PICS) proforma.
- Part 4: Portable radio Termination (PT) Protocol Implementation eXtra Information for Testing (PIXIT) proforma.
- Part 5: Fixed radio Termination (FT) Abstract Test Suite (ATS)- versions available in both ISO 9646 TTCN.MP format (electronic) and TTCN.GR format (paper).
- Part 6: Fixed radio Termination (FT) Protocol Implementation Conformance Statement (PICS) proforma.
- Part 7: Fixed radio Termination (FT) Protocol Implementation eXtra Information for Testing (PIXIT) proforma.**

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## 1 Scope

This European Telecommunication Standard (ETS) specifies the Fixed radio Termination (FT) Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the Digital European Cordless Telecommunications (DECT) Public Access Profile (PAP) test specification.

The Abstract Test Suite (ATS) describes a set of tests which can be converted using commonly available tools into an executable test suite. For the protocol tests, it consists of TTCN tables comprising an overview section, a declarations section, a constraints section and a dynamic behaviour section. For the non-protocol tests (real-effects), it describes the test method using natural language. The real effects test procedures are contained in ETS 300 323-1 [20], Annex C.

The Protocol Implementation Conformance Statement (PICS) proforma shows a checklist of all mandatory, optional and conditional features, elements of procedure, parameters, options, timers, multi-layer dependencies and other capabilities identified in the protocol specification. Once completed by the manufacturer, this shows which parts of the PAP static conformance requirements the manufacturer has implemented.

The Protocol Implementation eXtra Information for Testing (PIXIT) proforma is a questionnaire for the manufacturer to complete showing all the detailed information required by the test laboratory, for example, methods of feature invocation, real timer values and identities.

## 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 300 175-1 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 1: Overview".
- [2] ETS 300 175-2 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 2: Physical layer".
- [3] ETS 300 175-3 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 3: Medium access control layer".
- [4] ETS 300 175-4 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 4: Data link control layer".
- [5] ETS 300 175-5 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 5: Network layer".
- [6] ETS 300 175-6 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 6: Identities and addressing".
- [7] ETS 300 175-7 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 7: Security features".
- [8] ETS 300 175-8 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 8: Speech coding and transmission".

- [9] ETS 300 175-9 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface Part 9: Public access profile".
- [10] TBR 6: "General Attachment Requirements for Terminal Equipment for Digital European Telecommunications (DECT)".
- [11] TBR 10: "Attachment Requirements for Terminal Equipment for Digital European Telecommunications (DECT): Telephony Applications".
- [12] I-ETS 300 176 (1992): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications Approval Test Specification".
- [13] Reserved for future ETS version of [12].
- [14] ISO/IEC 9646-1: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 1: General Concepts".
- [15] ISO/IEC 9646-2: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 2: Abstract Test Suite Specification".
- [16] ISO/IEC 9646-3: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 3: The Tree and Tabular Combined Notation".
- [17] ISO/IEC 9646-6: "Information Technology-OSI Conformance Testing Methodology and Framework, Part 6: Protocol Profile Test Specification".
- [18] ISO 7498: "Information processing systems - Open Systems Interconnection - Basic Reference Model".
- [19] ISO/TR 8509: "Information processing systems - Open Systems Interconnection - Service conventions".
- [20] ETS 300 323-1: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT), Public Access Profile Test Specification Part 1: Overview".
- [21] ETS 300 323-2: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT), Public Access Profile Test Specification Part 2: Portable Radio Termination Abstract Test Suite".
- [22] ETS 300 323-3: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT), Public Access Profile Test Specification Part 3: Portable Radio Termination Protocol Implementation Conformance Statement (PICS) proforma".
- [23] ETS 300 323-4: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT), Public Access Profile Test Specification Part 4: Portable Radio Termination Protocol Implementation eXtra Information for Testing (PIXIT) proforma".
- [24] ETS 300 323-5: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT), Public Access Profile Test Specification Part 5: Fixed Radio Termination Abstract Test Suite".
- [25] ETS 300 323-6: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT), Public Access Profile Test Specification Part 6: Fixed Radio Termination Protocol Implementation Conformance Statement (PICS) proforma".



### 3 Definitions and abbreviations

#### 3.1 DECT definitions

For the purposes of this ETS the following DECT definitions apply.

**Fixed Part (DECT Fixed Part) (FP):** a physical grouping that contains all of the elements in the DECT network between the local network and the DECT air interface.

NOTE 1: A DECT fixed part contains the logical elements of at least one fixed radio termination, plus additional implementation specific elements.

**Fixed radio Termination (FT):** a logical group of functions that contains all of the DECT processes and procedures on the fixed side of the DECT air interface.

NOTE 2: A fixed radio termination only includes elements that are defined in the DECT CI standard. This includes radio transmission elements together with a selection of layer 2 and layer 3 elements.

**Handover:** the process of switching a call in progress from one physical channel to another physical channel. These processes can be internal (see internal handover) or external (see external handover).

NOTE 3: There are two physical forms of handover, intra-cell handover and inter-cell handover. Intra-cell handover is always internal. Inter-cell handover can be internal or external.

**Incoming call:** a call received at a portable part.

**Outgoing call:** a call originating from a portable part.

**Portable Part (DECT Portable Part) (PP):** a physical grouping that contains all elements between the user and the DECT air interface. Portable part is a generic term that may describe one or several physical pieces.

NOTE 4: A DECT portable part is logically divided into one portable termination plus one or more portable applications.

**Portable radio Termination (PT):** a logical group of functions that contains all of the DECT processes and procedures on the portable side of the DECT air interface.

NOTE 5: A portable radio termination only includes elements that are defined in the DECT CI standard. This includes radio transmission elements (layer 1) together with a selection of layer 2 and layer 3 elements.

**Public Access Profile (PAP):** a defined part of the DECT common interface standard (DECT CI) that ensures interoperability between fixed parts and portable parts for public access services.

#### 3.2 ISO 9646 definitions

For the purposes of this ETS the following ISO definitions given in the relevant ISO standard apply.

**Abstract test suite:** see ISO 9646-1 [14].

**Executable test suite:** see ISO 9646-1 [14].

**Implementation under test:** see ISO 9646-1 [14].

**Lower tester:** see ISO 9646-1 [14].

**Network layer:** see OSI Reference Model ISO 7498 [18].

**Network service:** see OSI Reference Model ISO 7498 [18].

**Point of control and observation:** see ISO 9646-1 [14].

**Protocol implementation conformance statement:** see ISO 9646-1 [14].

**Protocol implementation extra information for testing:** see ISO 9646-1 [14].

**System under test:** see ISO 9646-1 [14].

**Tree and tabular combined notation:** see ISO 9646-3 [16].

### 3.3 DECT abbreviations

For the purposes of this ETS the following DECT abbreviations apply.

CC	Call Control
CI	Common Interface (standard)
CISS	Call Independent Supplementary Services
CLMS	ConnectionLess Message Service
COMS	Connection Oriented Message Service
CRSS	Call Related Supplementary Services
DAM	DECT Authentication Module
DECT	Digital European Cordless Telecommunications
DLC	Data Link Control. Layer 2b of the DECT protocol stack
FP	Fixed Part (see definitions)
FT	Fixed radio Termination (see definitions)
LCE	Link Control Entity
LLME	Lower Layer Management Entity
MAC	Medium Access Control. Layer 2a of the DECT protocol stack
MM	Mobility Management. A NWK layer functional grouping
NWK	NetWork. Layer 3 of the DECT protocol stack (this layer)
PAP	Public Access Profile
PP	Portable Part
PT	Portable radio Termination (see definitions)
RFP	Radio Fixed Part (see definitions)
SAP	Service Access Point
SS	Supplementary Services

### 3.4 ISO 9646 abbreviations

For the purposes of this ETS the following ISO abbreviations apply.

ATS	Abstract Test Suite
BI	Invalid Behaviour
BO	inOpportune Behaviour
BV	Valid Behaviour
CA	CApability
CCITT	International Telegraph and Telephone Consultative Committee
ETS	European Telecommunication Standard
EV	Encoding Variation
INCONC	INCONClusive
ISDN	Integrated Services Digital Network
ISO	International Organization for Standardization
IUT	Implementation Under Test
LT	Lower Tester
MSB	Most Significant Bit
OSI	Open Systems Interconnection
PC	Parameter Combination
PCO	Point of Control and Observation
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
PSTN	Public Switched Telephone Network
PV	Parameter Variation

SAP	Service Access Point
SE	State Event
SUT	System Under Test
TI	Timing/Timer Variation
TTCN	Tree and Tabular Combined Notation

### 3.5 Other abbreviations

For the purposes of this ETS the following additional abbreviations apply.

EWOS	European Workshop on Open Systems
PAPF	Public Access Profile Fixed radio Termination
PAPP	Public Access Profile Portable radio Termination
PR	PRotocol
RE	Real Effects

## 4 Identification summary

### Q.1 Identification summary

PIXIT number	
Test laboratory name	
Date of issue	
Issued to	
Contract references	

## 5 Abstract Test Suite (ATS) summary

### Q.2 ATS summary

Protocol standard	ETS 300 175-9 [9]: DECT CI Public Access Profile
ATS standard	ETS 300 323-5 [24]: "Public Access Profile Test Specification Part 5: Fixed Radio Termination Abstract Test Suite".
Abstract test method	Remote single-layer embedded test method

## 6 Test laboratory

### Q.3.1 Test laboratory identification

Test laboratory identification	
Name of test laboratory	
Address of test laboratory	
Phone N° of test laboratory	
Fax N° of test laboratory	

### Q.3.2 Manager of test laboratory

Manager of test laboratory	
----------------------------	--

### Q.3.3 Means of testing

Means of testing	
------------------	--

### Q.3.4 SAP addresses

SAP addresses		
Type	Address	Comments

**Q.3.5 Instructions for completion**

Instructions for completion	

**7 Client**

**Q.4.1 Client identification**

Client identification	
Name of client	
Address of client	
Phone no. of client	
Fax no. of client	

**Q.4.2 Name of client manager**

Name of client test manager	
-----------------------------	--

**Q.4.3 Test facilities required**

<b>Test facilities required</b>

**8 System Under Test (SUT)**

**Q.5.1 SUT information**

Name	
Version	
SCS number	
Machine configuration	
Operating system identification	
IUT identification	
PICS reference for IUT	

**Q.5.2 Limitations of SUT**

Limitations of the SUT
------------------------

**Q.5.3 Environmental conditions**

Environmental conditions
--------------------------

## 9 Ancillary protocols

If any ancillary protocols are used in the SUT, the client shall provide relevant information for each ancillary protocol in the following table.

### Q.6 Ancillary protocols

Protocol name	Version no.	PICS ref.	PIXIT ref.	PCTR ref.

For each ancillary protocol the client should create a subsection in the following blank space and provide information for each ancillary protocol, covering addressing, parameter values, timer values and facilities as defined by the PICS for each protocol.



## 10 Protocol layer information for the DECT FT

### 10.1 Protocol identification

#### Q.7.1 Protocol identification

Name of protocol	ETS 300 175-9 [9]: DECT CI Public Access Profile
Version	First Edition: October 1992
PICS reference	ETS 300 323-6 [25]: Fixed Radio Termination Protocol Implementation Conformance Statement (PICS) proforma".

### 10.2 IUT information

#### 10.2.1 SAP addresses

##### Q.7.2.1.1 IUT SAP addresses

SAP addresses		
Type	Address	Comments

##### Q.7.2.1.2 Lower tester SAP addresses

SAP addresses		
Type	Address	Comments

### 10.2.2 Parameter values

The client shall provide the following parameters.

#### Q.7.2.2 Test suite parameters

N°	Name	Type	PICS clause	Range	Value	Comments
1.	p_fixed_id	FIXED_ID_ARI	Q.46/2	72 bits		fixed_identity information element with ARI+RPN.
2.	p_fixed_id_ari_ext_ho	FIXED_ID_ARI	Q.46/1	64 bits		fixed_identity information element with ARI for target external handover system.
3.	p_upi	BITSTRING	-	32 bits		User personal identity. 32 bits is the only allowed value. See mapping rules from digit entry to bit stream in ETS 300 323-1 [20] Annex B, subclause B.2.3.1.
4.	p_ac	BITSTRING	-	32 bits		Authentication code. 32 bits is the only allowed value. See mapping rules from digit entry to bit stream in ETS 300 323-1 [20] Annex B, subclause B.2.3.1.
5.	p_facil_comp	OCTETSTRING	Q.43/4	1-254 octets		One example of the facility information element's component field, which upon receipt will cause an immediate facility information element response from the IUT.

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6.	p_clms_var_tx	CLMS_VARIABLE	Q.14.1			Acceptable CLMS-VARIABLE message that can be sent to the IUT to test uplink operation. It is assumed that the uplink feature can be tested using just 1 CLMS-VARIABLE message transmission; (it is assumed no multi-segment CLMS message is necessary).
7.	p_ciss_facility	FACILITY	Q.12.10			The actual FACILITY information element that can be sent to the IUT in a CISS outgoing call and be assured to get a response back from the IUT during testing. This information element is mutually exclusive to the p_fa_ciss_outgoing_call data. If this information element is not supported, then define this information element with the length field set to 0 (this is as good as not sending the information element). If both FEATURE ACTIVATE and FACILITY are supported then the FEATURE ACTIVATE information element is the preferred one for testing.
8.	p_fa_ciss_outgoing_call	FEATURE_ACTIVATE	Q.44			The actual FEATURE ACTIVATE information element that can be sent to the IUT in a CISS outgoing call and be assured to get a response back from the IUT during testing. This information element is mutually exclusive to the p_ciss_facility. If this information element is not supported, then define the information element with the length field set to 0 (this is as good as not sending the information element).

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9.	p_fa_echo_cntl	INTEGER	Q.44.1/4-6	0-63		The value for the FA echo control parameter that the IUT will respond to favourably (i.e. service accepted).
10.	p_fa_cost_info	INTEGER	Q.44.2/4-5	16,17,18,48,49,50		The value for the FA cost information parameter that the IUT will respond to favourably (i.e. service accepted).

### 10.2.3 Timer values

#### Q.7.2.3 Test suite timer values

N°	Name	Type	PICS clause	Range	Value	Comments

### 10.2.4 Procedural information

#### Q.7.2.4 Procedural information

None.

**Annex A (normative): Information related to the means of testing for the DECT FT**

Notwithstanding the provisions of the copyright Clause related to the text of the present ETS (see front page), ETSI grants users of this ETS to 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.

**A.1 Invocation mechanism descriptions (mandatory)**

The client shall give detailed descriptions of how to invoke the following at the FT. The invocation mechanisms are mandatory if the procedure is supported at the IUT.

**A.1.1 Perform\_normal\_release**

To perform a normal release at the FT.

**Q.8.1.1 Perform\_normal\_release**

Description of the invocation of Perform_normal_release

**A.1.2 Place\_FT\_in\_bell\_on\_bell\_off\_mode**

To place the FT in a mode that it always sends bell on/bell off, if the PT has declared in terminal capability that it handle that.

**Q.8.1.2 Place\_FT\_in\_bell\_on\_bell\_off\_mode**

Description of the invocation of Place_FT_in_bell_on_bell_off_mode

**A.1.3 Place\_FT\_in\_DTMF\_dialling**

To place FT in DTMF dialling mode.

**Q.8.1.3 Place\_FT\_in\_DTMF\_dialling**

Description of the invocation of Place_FT_in_DTMF_dialling

**A.1.4 Place\_FT\_in\_pulse\_dialling**

To place the FT in a pulse dialling mode.

**Q.8.1.4 Place\_FT\_in\_pulse\_dialling**

Description of the invocation of Place_FT_in_pulse_dialling

**A.1.5 Config\_FT\_for\_enbloc\_network**

To configure the FT, so that the FT thinks it is connected to an enbloc dialling network.

**Q.8.1.5 Config\_FT\_for\_enbloc\_network**

Description of the invocation of Config_FT_for_enbloc_network

**A.1.6 Invoke\_ft\_hold\_procedure**

The description of the method to invoke the FT initiated hold procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be.

**Q.8.1.6 Invoke\_ft\_hold\_procedure**

Description of the invocation of Invoke_ft_hold_procedure

**A.1.7 Invoke\_ft\_retrieve\_procedure**

The description of method to invoke the FT initiated retrieve procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be.

**Q.8.1.7 Invoke\_ft\_retrieve\_procedure**

Description of the invocation of Invoke_ft_retrieve_procedure

**A.1.8 Invoke\_ft\_facility\_procedure**

The description of the method to invoke the FT initiated call related supplementary service facility procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be. Note as per the PAP assumptions this information element is expected to be sent in a CC\_INFO message.

**Q.8.1.8 Invoke\_ft\_facility\_procedure**

Description of the invocation of Invoke_ft_facility_procedure

**A.1.9 Invoke\_ft\_ciss\_xx\_procedure**

The description of the method to invoke the FT initiated CISS procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be.

**Q.8.1.9 Invoke\_ft\_ciss\_xx\_procedure**

Description of the invocation of Invoke_ft_ciss_xx_procedure

**A.1.10 enable\_queue\_feature**

The description of the method to ensure that the IUT will enter the busy condition such that a new connection request can request to be queued for service (queue request supplementary service).

**Q.8.1.10 enable\_queue\_feature**

Description of the invocation of enable_queue_feature

**A.1.11 Invoke\_ft\_clms\_fx\_page**

The description of the method to invoke the FT CLMS-FIXED paging procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be.

**Q.8.1.11      Invoke\_ft\_clms\_fx\_page**

Description of the invocation of Invoke_ft_clms_fx_page

**A.1.12    Invoke\_ft\_clms\_var\_proc**

The description of the method to invoke the FT initiated CLMS variable downlink procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be.

**Q.8.1.12      Invoke\_ft\_clms\_var\_proc**

Description of the invocation of Invoke_ft_clms_var_proc

**A.1.13    Invoke\_ft\_coms\_setup**

The description of the method to invoke the FT initiated COMS connection setup procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be.

**Q.8.1.13      Invoke\_ft\_coms\_setup**

Description of the invocation of Invoke_ft_coms_setup

**A.1.14    Invoke\_ft\_coms\_release**

The description of the method to invoke the FT initiated CLMS variable downlink procedure such as the buttons that need to be pressed or the messaging needed to be received by the IUT as the case may be.

**Q.8.1.14      Invoke\_ft\_coms\_release**

Description of the invocation of Invoke_ft_coms_release

**A.1.15    check\_IUT\_coms\_msg\_rx**

The description of the response by the IUT such as beeps displays etc., to a received COMS alphanumeric message.



**Q.8.1.15 check\_IUT\_coms\_msg\_rx**

Description of the invocation of check_IUT_coms_msg_rx

**A.1.16 op\_clms\_uplink\_rx**

The description of the response by the IUT such as beeps displays etc., to a received CLMS alphanumeric uplink message.

**Q.8.1.16 op\_clms\_uplink\_rx**

Description of the invocation of op_clms_uplink_rx

**A.2 Invocation mechanism support and descriptions (optional)**

The invocation mechanisms in this Clause are optional. If any of the following general invocations are not supported, the "upper tester" test procedure ETS 300 175-5 [5] subclause 15.8.3 is mandatory for invocation of that mobility management procedure.

The client shall enter an explicit statement in the blank space followed "Support" of each tables in this section using following notation:

- Y, y or Yes for implemented;
- N, n or No for not implemented.

And the client shall give detailed descriptions of how to invoke the following at the FT, if supported.

**A.2.1 Invoke\_authent\_req\_pt**

To invoke the authentication of PT procedure at the FT, using DSAA.

**Q.8.2.1 Invoke\_authent\_req\_pt**

Invoke_authent_req_pt	Support
Description of the method of invocation	

**A.2.2 Invoke\_cipher\_req\_proprietary**

To invoke the cipher-switching procedure at the FT, using non-DSC.

**Q.8.2.2 Invoke\_cipher\_req\_proprietary**

<b>Invoke_cipher_req_proprietary</b>	<b>Support</b>	
<b>Description of the method of invocation</b>		

**A.2.3 Invoke\_identity\_request**

To invoke the identity request procedure at the FT.

**Q.8.2.3 Invoke\_identity\_request**

<b>Invoke_identity_request</b>	<b>Support</b>	
<b>Description of the method of invocation</b>		

**A.2.4 Invoke\_info\_suggest\_locate\_suggest**

To invoke the location update procedure initiated at the FT.

**Q.8.2.4 Invoke\_info\_suggest\_locate\_suggest**

<b>Invoke_info_suggest_locate_suggest</b>	<b>Support</b>	
<b>Description of the method of invocation</b>		

**A.2.5 Invoke\_authent\_req\_pt\_proprietary**

To invoke the authentication of PT procedure at the FT, using non-DSAA.

**Q.8.2.5 Invoke\_authent\_req\_pt\_proprietary**

<b>Invoke_authent_req_pt_proprietary</b>	<b>Support</b>	
<b>Description of the method of invocation</b>		

**A.2.6 Invoke\_authent\_req\_pt\_with\_zap**

To invoke the authentication of the PT procedure at the FT, with zap.

**Q.8.2.6 Invoke\_authent\_req\_pt\_with\_zap**

Invoke_authent_req_with_zap	Support	
Description of the method of invocation		

**A.2.7 Invoke\_cipher\_req**

To invoke the cipher-switching procedure at the FT, with DSC.

**Q.8.2.7 Invoke\_cipher\_req**

Invoke_cipher_req	Support	
Description of the method of invocation		

**A.2.8 Invoke\_key\_allocate**

To invoke the key allocation procedure at the FT.

**Q.8.2.8 Invoke\_key\_allocation**

Invoke_key_allocation	Support	
Description of the method of invocation		

**A.2.9 Invoke\_pt\_authent\_req\_user**

To invoke the user authentication procedure at the FT, using DSAA.

**Q.8.2.9 Invoke\_pt\_authent\_req\_user**

Invoke_pt_authent_req_user	Support	
Description of the method of invocation		

**A.2.10 Invoke\_temp\_id\_assign**

To invoke the temporary identity assignment procedure at the FT.

**Q.8.2.10 Invoke\_temp\_id\_assign**

Invoke_temp_id_assign	Support	
Description of the method of invocation		

**A.2.11 Invoke\_access\_rights\_term\_req\_with\_no\_park**

To invoke the access rights terminate request procedure at the FT, with no PARK included (all data associated to the IPUI deleted).

**Q.8.2.11 Invoke\_access\_rights\_term\_req\_with\_no\_park**

Invoke_access_rights_term_req_with_no_park	Support	
Description of the method of invocation		

**A.2.12 Invoke\_info\_suggest\_ext\_ho**

To invoke the FT initiated external hand over procedure.

**Q.8.2.12 Invoke\_info\_suggest\_ext\_ho**

Invoke_info_suggest_ext_ho	Support	
Description of the method of invocation		

**A.3 Control and observation on the SUT**

**A.3.1 Control of FT entering test standby mode**

The supplier of the implementation shall state the way of control of the SUT to enter the test standby mode in the following box.

**Q.9.1 Enter test standby mode**

Description of control for SUT entering test standby mode

**A.3.2 Control of FT exiting from test standby mode**

The supplier of the implementation shall state the way of control of the SUT to exit from the test standby mode in the following box.

**Q.9.2 Exit from test standby mode**

Description of control for SUT exiting from test standby mode

**A.3.3 Control of FT reset**

The supplier of the implementation shall state the way of control of the SUT reset, and describe what is initialised within the SUT, and the state entered, in the following box.

**Q.9.3 Reset**

Description of control for SUT reset

**A.3.4 Control of FT power-up**

The supplier of the implementation shall state the way of control of the SUT power-up, and describe what is initialised within the SUT, and the state entered, in the following box.

**Q.9.4 Power-up**

Description of control for SUT power-up

## **Annex B (informative): Bibliography**

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**History**

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