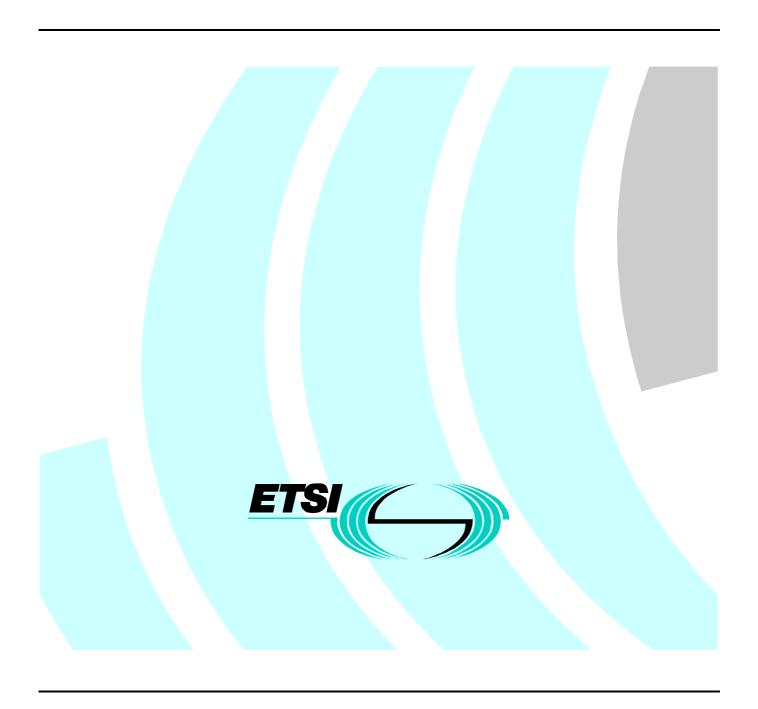# ETSI TS 101 871-2 V1.1.1 (2000-11)

Technical Specification

Digital Enhanced Cordless Telecommunications (DECT);
Application Specific Access Profile (ASAP);
DECT Multimedia Access Profile (DMAP);
Profile requirement list and profile specific
Implementation Conformance Statement (ICS) proforma;
Part 2: Fixed radio Termination (FT)

ETSI

Reference

DTS/DECT-040148-2

Keywords

ICS, FT, access, DECT, data, network, multimedia, radio, testing, profile

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Foreword

This Technical Specification (TS) has been produced by ETSI Project Digital Enhanced Cordless Telecommunications (DECT).

The present document is part 2 of a multi-part deliverable covering The DECT Multimedia Access Profile (DMAP); Application Specific Access Profile (ASAP) Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma, as identified below:

Part 1: "Portable radio Termination (PT)";

Part 2: "Fixed radio Termination (FT)".

Annexes A to C contain the requirement lists for the FT DECT Multimedia Access Profile, Application Specific Access Profile.

1 Scope

The present document provides the Profile requirement list and profile specific Implementation Conformance Statement proforma for the Digital Enhanced Cordless Telecommunications Multimedia Access Profile (DMAP), Application Specific Access Profile (ASAP) at the Fixed radio Termination as defined in EN 301 650 [1] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [5].

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies.

[1]   ETSI EN 301 650: "Digital Enhanced Cordless Telecommunications (DECT); DECT Multimedia Access Profile (DMAP); Application Specific Access Profile (ASAP)".

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

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

[4]   ISO/IEC 9646-1 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[5]   ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

[6]   ETSI EN 301 649: "Digital Enhanced Cordless Telecommunications (DECT); DECT Packet Radio Service (DPRS)".

[7]   ETSI TS 101 869-2: "Digital Enhanced Cordless Telecommunications (DECT) DECT Packet Radio Services (DPRS); Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma Part 2: Fixed radio Termination (FT)".

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

3   Definitions and abbreviations

3.1   Definitions

For the purposes of the present document, the following terms and definitions apply:

- terms defined in EN 300 175-1 [2];

- terms defined in ISO/IEC 9646-1 [4] and in ISO/IEC 9646-7 [5].

In particular, the following terms defined in ISO/IEC 9646-1 [4] apply:

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc

ICS proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS

Protocol ICS (PICS): PICS for an implementation or system claimed to conform to a given protocol specification

3.2   Abbreviations

For the purposes of the present document, the abbreviations given in EN 301 650 [1] and ISO/IEC 9646-1 [4] apply.

4   Conformance requirement

The supplier of a protocol implementation which is claimed to conform to the fixed termination specific requirements of EN 301 650 [1] shall verify that his protocol implementation meets the requirements described in the present document. All the requirements described in TS 101 869-2 [7] and ETS 300 474-2 [8] apply with the changes indicated in the annexes A to C of the present document.

The annex A indicates the general application support. The supplier of the implementation shall complete table A.1. The description how to complete table A.1 is given in TS 101 869-2 [7] clause 5.

The annex B indicates the mandatory clauses of ETS 300 474-2 [8]. The supplier of the implementation shall verify the profile requirements of the annex B. The description how to verify the profile requirements is given in ETS 300 474-2 [8] clause A.1.

The annex C is presented as a profile requirements list of TS 101 869-2 [7]. The supplier of the implementation shall verify the profile requirements list of the annex C. The description how to verify the profile requirements list is given in clause 5.

5 Requirement lists for DECT Multimedia Access Profile (DMAP); Application Specific Access Profile (ASAP)

5.1 General

The supplier of a protocol implementation which is claimed to conform to the fixed termination specific requirements of EN 301 650 [1] shall verify that his particular layer protocol implementation meets the profile RL for each layer. For this, he shall complete a copy of the corresponding layer PICS proforma contained in TS 101 869-2 [7] and updated with the requirements from the annex C of the present document.

5.1.1 Profile Requirement List (profile RL)

The profile Requirement List (profile RL) as defined in annex C is based on TS 101 869-2 [7]. The profile RL is produced by copying selected tables from TS 101 869-2 [7], removing the column "Support", and splitting the column "Status" into the columns "Status Wireless V.24 (WV.24)" and "Status Wireless LAN (WLAN)".

Profile status column

The following notations, defined in ISO/IEC 9646-7 [5], are used for the status column:

m or M	mandatory - the capability is required to be supported.
o or O	optional - the capability may be supported or not (e.g. the capability is not allowed because the underlying DECT layers (service provider) cannot handle it or the requirement belongs to an application i.e. does not belong to the network layer).
x or X	prohibited (excluded) - there is a requirement not to use this capability in the given context.
o.i or O.i	qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies a unique group of related optional items and the logic of their selection which is defined immediately following the table.
ci or Ci	conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table or which is defined in the general condition table below.
i or I	out-of-scope - this capability is outside the scope of the given specification, and hence irrelevant and not subject to conformance testing. This status is in particular applicable for data fields which are reserved for future use. The structure of such fields has to be supported, but the value is undefined and thus to be ignored.

Profile reference column

The reference column gives reference to EN 301 650 [1], except where explicitly stated otherwise.

Note line

The notations which are used for the status column are described in the text which precedes each table. Further on specific instruction is provided (when necessary).

Annex A (normative):
General

Table A.1: General Application supported

Item	Feature name	Protocol	Profile reference	Status	Support
1	Voice	EN 300 444 [3]	6.2.1	m	
2	Data	EN 301 649 [6]	6.2.1	m	

Annex B (normative):
Voice

B.1 Network layer

In order to meet the requirements of EN 301 650 [1], clauses 6.2.2 and 6.2.6, the requirements as indicated in
ETS 300 474-2 [8], clauses A.2 and B.5.1 are mandatory.

B.2 Data link control layer

In order to meet the requirements of EN 301 650 [1], clause 6.2.3, the requirements as indicated in ETS 300 474-2 [8],
clauses A.3 and B.5.2 are mandatory.

B.3 Medium access control layer

In order to meet the requirements of EN 301 650 [1], clause 6.2.4, the requirements as indicated in ETS 300 474-2 [8],
clauses A.4 and B.5.3 are mandatory.

B.4 Physical layer

The requirements as indicated in ETS 300 474-2 [8], clauses A.5 and B.5.4 are mandatory.

B.5 Distributed Communications

In order to meet the requirements of EN 301 650 [1], clause 6.2.7, the requirements as indicated in TS 101 869-2 [7],
Annex H are optional.

Annex C (normative):
Data

C.1 DPRS protocol functional entities (profile RL)

Table C.1: TS 101 869-2, Table A.2: DPRS protocol service class supported

Item	Feature name	Profile reference	Status
1	Class 1	A.1	i
2	Class 2	A.1	m
3	Wireless LAN	6.2.1	o.101
4	Wireless V.24	6.2.1	o.101
o.101:	At least one of these options shall be supported.		

Table C.2: TS 101 869-2, Table A.3: DPRS protocol functional entities supported

Item	Feature name	Profile reference	Status
1	NWK layer	6.2.2	m
2	DLC layer	6.2.3	m
8	Ethernet IWF	B.1	c201
9	Token Ring IWF	B.1	i
10	IP IWF	B.1	i
11	PPP IWF	B.1	i
12	V.24 IWF	C.1	c202
c201:	IF C.1/3 THEN m ELSE n/a.		
c202:	IF C.1/4 THEN m ELSE n/a.		

C.2 NWK layer (profile RL)

C.2.1 NWK layer features

Table C.3: TS 101 869-2, Table B.2: NWK features supported

Features			Status	
Item	Feature name	Profile reference	WV.24	WLAN
1	Outgoing call **DPRS-N.1**	6.2.2	o.301	o.301
3	On hook (full release) **DPRS-N.3**	6.2.2	o	o
8	Incoming call **DPRS-N.8**	6.2.2	o.301	o.301
11	Location registration **DPRS-N.11**	6.2.2	m	m
12	On air key allocation **DPRS-N.12**	6.2.2	m	m
20	Terminate access rights FT initiated **DPRS-N.20**	6.2.2	m	m
26	Authentication of FT **DPRS-N.26**	6.2.2	m	m
o.301:	At least one of these options shall be supported.			

C.2.2 NWK layer procedures

Table C.4: TS 101 869-2, Table B.3: NWK procedures supported

Features			Status	
Item	Feature name	Profile reference	WV.24	WLAN
1	Outgoing call request **DPRS-N.1/2**	6.2.2	o.401	o.401
7	Incoming call connection **DPRS-N.2/8**	6.2.2	o.401	o.401
o.401:	At least one of these options shall be supported.			

C.3 Management Entity (profile RL)

C.3.1 Management Entity features

Table C.5: TS 101 869-2, Table F.2: Management Entity features supported

Features			Status	
Item	Feature name	Profile reference	WV.24	WLAN
1	Class 1 management **DPRS-ME.1**	6.2.5	i	i

Annex D (normative):
GAP – DPRS intra profile management requirements

D.1 General

Currently there are no GAP – DPRS intra profile management requirements specified.

Annex E (informative):
Bibliography

ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

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

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

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

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

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

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

ETSI EN 300 824: "Digital Enhanced Cordless Telecommunications (DECT); Cordless Terminal Mobility (CTM); CTM Access Profile (CAP)".

History

Document history		
V1.1.1	November 2000	Publication