SLOVENSKI STANDARD
SIST ETS 300 474-2:1999

01-maj-1999

Digitalne izboljġane brezvrviļ ne telekomunikacije (DECT) - Profil generiļ nega dostopa (GAP) - Seznam zahtev za profil in za profil specifiļ ne proformne izjave o skladnosti izvedbe (ICS) - 2. del: Fiksna radijska zaključ itev (FT)

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)

Ta slovenski standard je istoveten z: **ETS 300 474-2 Edition 1**

ICS:

33.070.30	Digitalne izboljġane brezvrviļ ne telekomunikacije (DECT)	Digital Enhanced Cordless Telecommunications (DECT)

SIST ETS 300 474-2:1999 **en**

EUROPEAN TELECOMMUNICATION STANDARD

ETS 300 474-2

August 1996

Source: ETSI TC-RES

Reference: DE/RES-03043-2

ICS: 33.020, 33.060.50

Key words: DECT, GAP, ICS, FT

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 2: Fixed radio Termination (FT)

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

Contents

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).

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

The DECT Generic Access Profile (GAP) profile requirement list and profile-specific Implementation Conformance Statement (ICS) proforma standard comprises two parts as follows:

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

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

Annex A contains the requirement lists for the FT GAP.

Annex B contains the profile-specific ICS proforma for the FT GAP.

Transposition dates	
Date of adoption of this ETS:	16 August 1996
Date of latest announcement of this ETS (doa):	30 November 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 May 1997
Date of withdrawal of any conflicting National Standard (dow):	31 May 1997

blank page

1 Scope

This European Telecommunication Standard (ETS) provides the profile requirment list and profile-specific Implementation Conformance Statement (profile ICS) proforma for the Digital Enhanced Cordless Telecommunications (DECT) Generic Accesss Profile (GAP) at the Fixed radio Termination (FT) as defined in ETS 300 444 [2] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [8].

The supplier of an implementation which is claimed to conform to ETS 300 444 [2] is required to complete a copy of the Protocol Implementation Conformance Statement (PICS) proforma ETS 300 476 parts 4, 5, 6 and 7 [3], [4], [5] and [6] with the replacements from annex A of this standard, as well as, a copy of the and profile-specific ICS proforma provided in the annex B of this standard.

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 Digital Enhanced Cordless Telecommunications Common Interface Part 5: Network Layer".

[2] ETS 300 444: "Radio Equipment and Systems (RES) Digital European Corldless Telecommunications (DECT): Generic Access Profile (GAP)".

[3] ETS 300 476-4: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Network layer - Fixed Termination (FT)".

[4] ETS 300 476-5: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Data Link Control layer - Fixed Termination (FT)".

[5] ETS 300 476-6: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Medium Access Control layer - Fixed Termination (FT)".

[6] ETS 300 476-7: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Physical layer".

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

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

3 Definitions abbreviations

3.1 Definitions

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

a) the terms defined in ISO/IEC 9646-7 [8];
b) the definitions in ETS 300 444 [2]; and
c) the following terms defined in ISO/IEC 9646-1 [7]:
   - PICS proforma;
   - profile Implementation Conformance Statement (profile ICS).

3.2 Abbreviations

For the purposes of this ETS, the abbreviations defined in ISO/IEC 9646-1 [7] and ETS 300 444 [2] apply.

4 Conformance requirement concerning profile ICS

The supplier of a protocol implementation which is claimed to conform to the portable termination specific requirements of ETS 300 444 [2] shall verify that his protocol implementation meets the profile Requirements Lists (RLs) for each DECT protocol layer, contained in annex A of this standard, and shall complete a copy of the profile-specific ICS proforma provided in annex B and shall provide the information necessary to identify both the supplier and the implementation.

Annex A (normative): Requirement lists for DECT FT

A.1 General

The supplier of a protocol implementation which is claimed to conform to the portable termination specific requirements of ETS 300 444 [2] shall verify that his particular (NWK, DLC and MAC) layer protocol implementation meets the profile RL for this layer. For this, he shall complete a copy of the corespondong layer PICS proforma contained in annex A of ETS 300 476 parts 4, 5, 6 and 7 [3] [4] [5] and [6] updated with the requirements from this annex.

A.1.1 Profile Requirement List (profile RL)

The profile Requirement List (profile RL) for the NWK, DLC, MAC and PH layer as defined in this section is based on ETS 300 476 parts 4, 5, 6 and 7 [3] [4] [5] and [6]. For every capability listed in ETS 300 476 parts 4, 5, 6 and 7 [3] [4] [5] and [6], the profile requirements are expressed by restriction upon allowed support answers in ETS 300 476 parts 4, 5, 6 and 7 [3] [4] [5] and [6] depending on whether the implementation is to work in Residential/Business (R/B) or Public (P) environment. The profile RL is produced by copying selected tables from ETS 300 476 parts 4, 5, 6 and 7 [3] [4] [5] and [6], removing the column(s) to be completed by the supplier, and adding a new set of columns giving the new profile requirements, both in terms of the status and allowed values. The tables are referenced by preceding it with an “[3]”, "[4]", "[5]" or "[6]" as relevant.

Profile status column

Where it has been seen as necessary two profile status columns are provided one for Residential/Business (R/B) environment and one for Public (P) environment.

The standardized symbols for the status column are as follows:

m or M	mandatory - the capability is required to be supported;
o or O	optional - the capability may be supported or not;
n/a or N/A	not applicable - in the given context, it is impossible to use the capability;
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 an 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.

Reference column

The reference column gives reference to ETS 300 444 [2], except where explicitly stated otherwise.

A.1.2 General conditions

Table A.1: General condition table

Condition identifier	Condition definition
NOTE A	The status of the relevant item is exactly as the status of this item in ETS 300 476 Parts 4, 5, 6 and 7 [3] [4] [5] and [6]. The item has been included as the profile reference column include reference to the profile that describes the item more in details.

A.2 Network layer - FT: profile Requirement List (profile RL)

A.2.1 Major capabilities

A.2.1.1 Entities

To express the profile requirements of ETS 300 444 [2], the following table indicates the change of status for support of entities.

Table A.2: ETS 300 476-4 [3] Table A.12 Entity supported

Item	Entity name	Profile reference	Profile status R/B	Profile status P
1	Call control (CC)	6.2	m	m
2	Call Independent Supplementary Services (CISS)	-	i	i
3	Connection oriented message services (COMS)	-	i	i
4	ConnectionLess message services (CLMS)	-	i	i
5	Mobility management (MM)	6.2	m	m
6	Link control entity (LCE)	6.2	m	m
7	Management (LLME)	13	m	m

A.2.1.2 CC features

To express the profile requirements of ETS 300 444 [2], the following table indicates the change of status for support of NWK layer CC features.

Table A.3: ETS 300 476-4 [3] Table A.13 CC features supported

Item	Call Control features	Profile reference	Profile status R/B	Profile status P
1	Bell off (Alerting)	6.2	m	m
2	Bell on (Alerting)	6.2	m	m
3	Control of supervisory tones	-	i	i
4	Dial tone detection indication	-	i	i
5	Dialled digits (basic)	6.2	m	m
6	Dialled digits additional	-	i	i
7	Dialling delimiter	-	i	i
8	Dialling delimiter request	-	i	i
9	Display control characters	6.2	o	o
10	Emergency service access request	-	i	i
11	External Handover (inter-cell)	-	i	i
12	Fixed part/portable part capability exchange	-	i	i
13	Go to DTMF (infinite tone length)	6.2	o	o
14	Go to DTMF signalling (defined tone length)	6.2	o	m
15	Go to Pulse	6.2	o	o
16	Group address	-	i	i
17	Incoming call	6.2	m	m
18	Internal call	6.2	o	o
19	Off hook	6.2	m	m
20	On hook (full release)	6.2	m	m
21	Outgoing call	6.2	m	m
22	Packet mode	-	i	i
23	Partial release	6.2	o	o
24	Pause (dialling pause)	6.2	o	o
25	Register recall	6.2	o	o
26	Signalling of display characters	6.2	o	o
27	Selection of bearer service	-	i	i
28	Service call	6.2	o	o
29	Service change	-	i	i

A.2.1.3 MM features

To express the profile requirements of ETS 300 444 [2], the following table indicates the change of status for support of NWK layer MM features.

Table A.4: ETS 300 476-4 [3] Table A.14 MM features supported

Item	Mobility Management features	Profile reference	Profile status R/B	Profile status P
1	Authentication of FT	6.2	o	o
2	Authentication of PT	6.2	o	m
3	Authentication of user	6.2	o	o
4	Encryption activation FT initiated	6.2	o	m
5	Encryption activation PT initiated	6.2	o	o
6	Encryption deactivation FT initiated	6.2	o	o
7	Encryption deactivation PT initiated	6.2	o	o
8	Identification of PP	6.2	o	o
9	Inter-operator roaming registration	-	i	i
10	Location de-registration	-	i	i
11	Location registration	6.2	o	m
12	Multiple subscription registration	6.6	n/a	n/a
13	On air key allocation	6.2	o	o
14	Service class indication/assignment	6.2	o	m
15	Silent polling	-	i	i
16	Subscription registration procedure on-air	6.2	m	m
17	Subscription registration user procedure with DECT authentication module	-	i	i
18	Subscription registration user procedures keypad (digit entry only)	-	i	i
19	Terminate access rights FT initiated	6.2	o	o
20	Terminate access rights PT initiated	-	i	i
21	ZAP	6.2	o	o
22	MM Partial release	8.39	m	m
23	Temporary identity assign	-	i	i

A.2.1.4 SS features (services)

To express the profile requirements of ETS 300 444 [2], the following table indicates the change of status for support of NWK layer SS features (services).

Table A.5: ETS 300 476-4 [3] Table A.15 SS features (services) supported

Item	CC(CRSS) and CISS features	Ref.	Profile status R/B	Profile status P
1	Advice of charge (AOC)	-	i	i
2	Advice of tariff request	-	i	i
3	Call Deflection (CD)	-	i	i
4	Call Forwarding Busy (CFB)	-	i	i
5	Call Forwarding No Reply (CFNR)	-	i	i
6	Call Forwarding Unconditional (CFU)	-	i	i
7	Call Waiting (CW)	-	i	i
8	Calling Line Identification Presentation (CLIP)	6.2	o	o
9	Calling Line Identification Restriction (CLIR)	-	i	i
10	Closed User Group (CUG)	-	i	i
11	Completion of Calls to Busy Subscriber (CCBS)	-	i	i
12	Call Hold (CH)	-	i	i
13	CONFerence call add-on (CONF)	-	i	i
14	COnnected Line identification Presentation (COLP)	-	i	i
15	COnnected Line identification Restriction (COLR)	-	i	i
16	Control of echo control functions	-	i	i
17	Cost information	-	i	i
18	Credit agency public access service	-	i	i
19	Credit public access service	-	i	i
20	Debit public access service	-	i	i
21	Direct Dialling In (DDI)	-	i	i
22	Explicit Call Transfer (ECT)	-	i	i
23	Forced re-connection of held call	-	i	i
24	FreePHone (FPH)	-	i	i
25	Hold call (FT to PT)	-	i	i
26	Hold call (PT to FT)	-	i	i
27	Indication of teleservice available request	-	i	i
28	Indication of teleservices available	-	i	i
29	Malicious Call Identification (MCID)	-	i	i
30	Multiple Subscriber Number (MSN)	-	i	i
31	On-demand (hot bill) public access service- CRSS	-	i	i
32	Queue management	-	i	i
33	Re-connection of held call (FT to PT)	-	i	i
34	Re-connection of held call (PT to FT)	-	i	i
35	Request for indication of temporary subscriber number-CRSS	-	i	i
36	Selection of required teleservice	-	i	i
37	Single step Call Transfer (SCT)	-	i	i
38	Specific trunk carrier selection	-	i	i
39	SUBaddressing (SUB)	-	i	i
40	Terminal Portability (TP)	-	i	i
41	Tree ParTY (3TPY)	-	i	i
42	User to User Signalling UUS	-	i	i
43	CISS Partial release	-	i	i
44	Feature key	-	i	i
45	Indication of subscriber number	-	i	i
46	Register recall	-	i	i
47	Specific line selection	-	i	i
48	External handover switch	-	i	i