SLOVENSKI STANDARD
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Digitalne izboljġane brezvrviļ ne telekomunikacije (DECT) ï Profil generiļ nega dostopa (GAP) ï Seznam zahtev za profil in za profil specifiļ ne proforma izjave o skladnosti izvedbe (ICS) ï 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)

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Project Digital Enhanced Cordless Telecommunications (DECT).

The present document is part 2 of a multi-part deliverable. Full details of the entire series can be found in EN 300 474-1 [9].

Annex A contains the requirement lists for the Fixed radio Termination (FT) Generic Access Profile.

Annex B contains the profile-specific ICS proforma for the FT Generic Access Profile.

National transposition dates	
Date of adoption of this EN:	5 September 2003
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Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 June 2004
Date of withdrawal of any conflicting National Standard (dow):	30 June 2004

1 Scope

The present document provides the profile Requirement List and profile-specific Implementation Conformance Statement (profile ICS) proforma for the Digital Enhanced Cordless Telecommunications (DECT) Generic Access Profile (GAP) at the Fixed radio Termination (FT) as defined in EN 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 EN 300 444 [2] is required to complete a copy of the Protocol Implementation Conformance Statement (PICS) proforma EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] and EN 300 476-7 [6] with the replacements from annex A of the present document, as well as, a copy of the and profile-specific ICS proforma provided in the annex B of the present document.

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.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

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

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

[3] ETSI EN 300 476-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 4: Network (NWK) layer - Fixed radio Termination (FT)".

[4] ETSI EN 300 476-5: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 5: Data Link Control (DLC) layer - Fixed radio Termination (FT)".

[5] ETSI EN 300 476-6: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 6: Medium Access Control (MAC) layer - Fixed radio Termination (FT)".

[6] ETSI EN 300 476-7: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 7: Physical layer".

[7] ISO/IEC 9646-1 (1994): "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".

[9] ETSI EN 300 474-1: "Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma; Part 1: Portable radio Termination (PT)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646-7 [8], EN 300 444 [2] and ISO/IEC 9646-1 [7] apply.

3.2 Abbreviations

For the purposes of the present document, the abbreviations defined in ISO/IEC 9646-1 [7] and EN 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 EN 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 the present document, 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 EN 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 corresponding layer PICS proforma contained in annex A of EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] and EN 300 476-7 [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 clause is based on EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] and EN 300 476-7 [6]. For every capability listed in EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] and EN 300 476-7 [6], the profile requirements are expressed by restriction upon allowed support answers in EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] and EN 300 476-7 [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 EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] and EN 300 476-7 [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 EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] or EN 300 476-7 [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 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 a 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 EN 300 444 [2], except where explicitly stated otherwise.

A.1.2 General conditions

The note in table A.1 is generally defined to apply to the tables in the following clauses where indicated.

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 EN 300 476-4 [3], EN 300 476-5 [4], EN 300 476-6 [5] and EN 300 476-7 [6]. The item has been included as the profile reference column includes reference to the profile that describes the item more in details.

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

A.2.1 Major capabilities

A.2.1.1 Entities

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

Table A.2: Profile modification for EN 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 EN 300 444 [2], the following table indicates the change of status for support of NWK layer CC features.

Table A.3: Profile modification for EN 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 EN 300 444 [2], the following table indicates the change of status for support of NWK layer MM features.

Table A.4: Profile modification for EN 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
24	Modification access rights	-	i	i
25	Temporary identity assignment with location registration	-	i	i

A.2.1.4 SS features (services)

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

Table A.5: Profile modification for EN 300 476-4 [3] table A.15 SS features (services) supported

Item	CC(CRSS) and CISS features	Profile reference.	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

A.2.1.5 LCE features

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

Table A.6: Profile modification for EN 300 476-4 [3] table A.16 LCE features supported

Item	LCE features	Profile reference	Profile status R/B	Profile status P
1	Connection oriented Link control (Link control)	6.2	m	m
2	Connectionless oriented Link control	-	i	i

A.2.1.6 Procedures

To express the profile requirements of EN 300 444 [2], the following tables indicate the change of status for support of NWK layer procedures.

Table A.7: Profile modification for EN 300 476-4 [3] table A.18 CC procedures supported

Item	CC procedures	Profile reference	Profile status R/B	Profile status P
1	cc_outgoing_normal_call_request	8.2	m	m
4	cc_outgoing_selection_of_lower_layer_resources	-	i	i
5	cc_outgoing_connection_of_U_plane	8.3, 8.4, 8.5, 8.6	m	m
6	cc_outgoing_overlap_sending	8.3	o	o
7	cc_outgoing_call_proceeding	8.4	o	o
8	cc_outgoing_call_confirmation	8.5	o	o
9	cc_outgoing_call_connection	8.6	m	m
10	cc_incoming_call_request	8.12	m	m
11	cc_incoming_selection_of_lower_layer_resources	-	i	i
12	cc_incoming_connection_of_U_plane	8.15	m	m
13	cc_incoming_overlap_receiving		i	i
14	cc_incoming_call_proceeding	-	i	i
15	cc_incoming_call_confirmation	8.13	m	m
16	cc_incoming_call_connection	8.15	m	m
17	cc_sending_terminal_capability	-	i	i
18	cc_sending_keypad_info	8.10	m	m
19	cc_call_information	8.10	i	i
20	cc_normal_call_release	8.7	m	m
21	cc_partial_release	8.9	note A	note A
22	cc_abnormal_call_release	8.8	m	m
23	cc_release_collisions	8.7.2.1	m	m
31	cc_timer_f_cc_02_mgt	8.7	m	m
32	cc_timer_f_cc_03_mgt	8.2	m	m
33	cc_timer_f_cc_04_mgt	-	i	i
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35	cc_internal_call_setup	8.18	c.a701	c.a701
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38	cc_service_call_keypad	8.21	c.a703	c.a703
39	cc_internal_call_keypad	8.19	c.a704	c.a704
40	pt_alerting	8.14	m	m
41	display	8.16	note A	note A
c.a701: IF A.3/18 THEN m ELSE i. c.a702: IF A.3/18 THEN o ELSE i. c.a703: IF A.3/28 THEN m ELSE i. c.a704: IF A.3/28 THEN o ELSE i.				