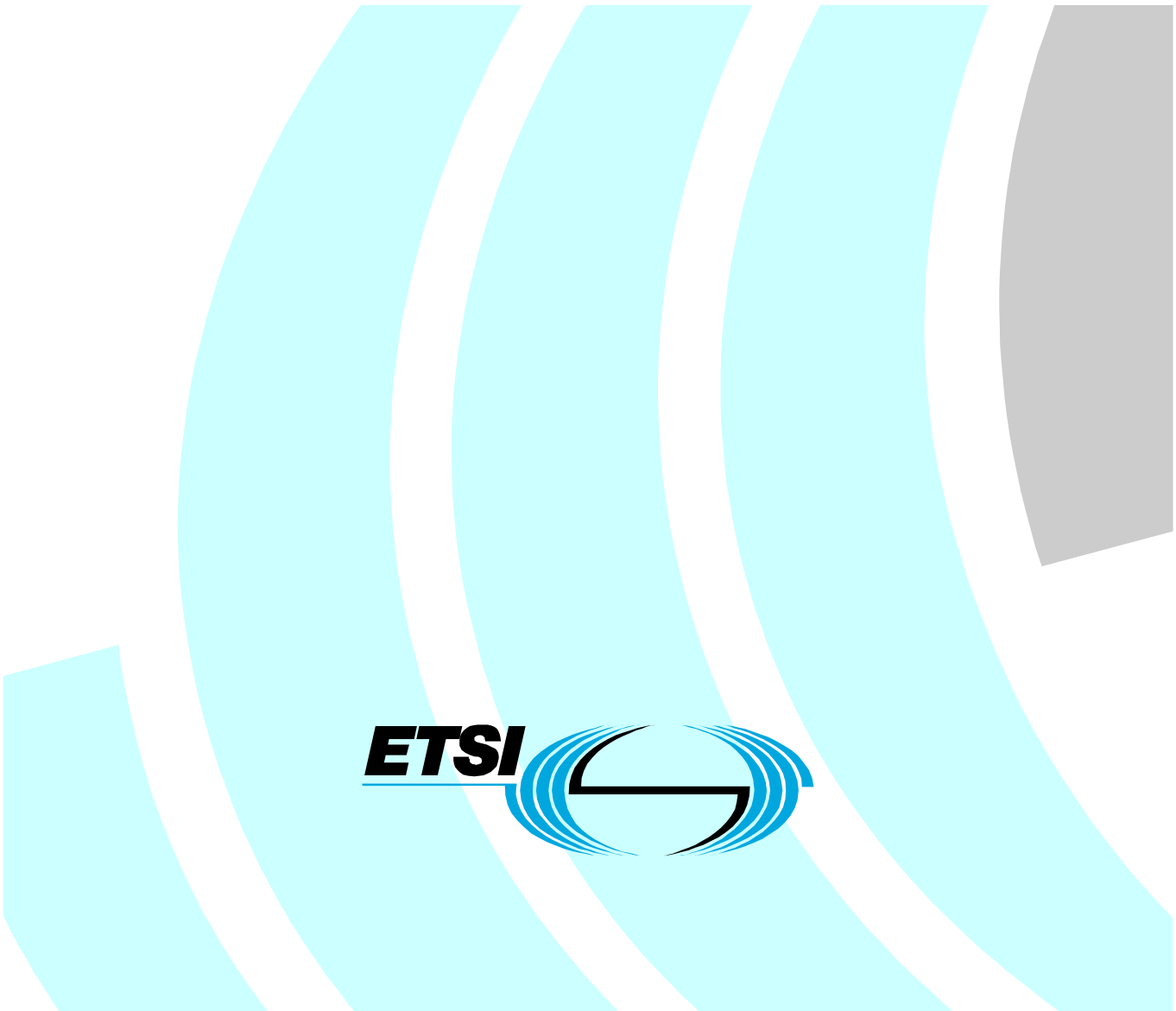
ETSI EN 300 474-2 V1.2.1 (2003-09)

European Standard (Telecommunications series)

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)



Reference
REN/DECT-040107-2

Keywords
access, DECT, generic, ICS, radio, testing

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Sous-Préfecture de Grasse (06) N° 7803/88

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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
Date of latest announcement of this EN (doa):	31 December 2003
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
34	cc_timer_f_cc_01_mgt	8.3	note A	note A
35	cc_internal_call_setup	8.18	c.a701	c.a701
36	cc_service_call_setup	8.20	c.a702	c.a702
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.				

Table A.8: Profile modification for EN 300 476-4 [3] table A.19 MM procedures supported

Item	Mobility Management procedures	Profile reference	Profile status R/B	Profile status P
1	mm_identification_of_pt	8.22	note A	note A
2	mm_temporary_identity_assignment	-	i	i
3	mm_authentication_of_pt	8.24	note A	note A
4	mm_authentication_of_user	8.25	note A	note A
5	mm_authentication_of_ft	8.23	note A	note A
6	mm_location_registration	8.28	note A	note A
8	mm_location_update	8.29	c.a801	note A
9	mm_obtain_access_rights	8.30	m	m
10	mm_pt_init_terminate_access_rights	-	i	i
11	mm_ft_init_terminate_access_rights	8.31	note A	note A
12	mm_key_allocation	8.32	note A	note A
13	mm_pt_init_parameter_retrieval	-	i	i
14	mm_ft_init_parameter_retrieval	-	i	i
15	mm_pt_init_cipher_switching	8.34	note A	note A
16	mm_ft_init_cipher_switching	8.33	note A	note A
17	mm_zap_increment	8.26	note A	note A
18	mm_dck_storing	8.27	note A	m
19	mm_dck_sending	-	i	i
20	mm_service_class_mgt	8.30, 8.24	note A	note A
21	mm_partial_release	8.39	m	m
22	mm_timer_f_mm_ident_1_mgt	8.28.1.2	note A	note A
23	mm_timer_f_mm_access_2_mgt	8.31.1.1	note A	note A
24	mm_timer_f_mm_auth_1_mgt	8.32.1.2	note A	note A
25	mm_timer_f_mm_cipher_1_mgt	8.33.1.1	note A	note A
26	mm_timer_f_mm_key_1_mgt	8.32.2.1	note A	note A
27	mm_timer_f_mm_ident.2_mgt	8.28	note A	note A
28	mm_timer_f_mm_auth_2_mgt	8.25.1.1	note A	note A
29	mm_modify_access_rights	-	i	i
c.a801: IF A.4/11 THEN o ELSE i.				

Table A.9: Profile modification for EN 300 476-4 [3] table A.20 SS protocols supported

Item	SS protocol name	Profile reference	Profile status R/B	Profile status P
1	crss_keypad_protocol	8.10	m	m
2	crss_feature_key_mgt_protocol	-	i	i
3	crss_functional_protocol_smc	-	i	i
4	ciss_keypad_protocol	-	i	i
5	ciss_feature_key_mgt_protocol	-	i	i
6	ciss_partial_release	-	i	i
7	crss_functional_protocol_ciec	-	i	i
8	ciss_functional_protocol_ciec	-	i	i

Table A.10: Profile modification for EN 300 476-4 [3] table A.23 LCE procedures supported

Item	LCE procedures	Profile reference	Profile status R/B	Profile status P
1	lce_direct_pt_init_link_establishment	8.36	m	m
2	lce_indirect_ft_init_link_establishment	8.35	m	m
3	lce_direct_ft_init_link_establishment	-	i	i
4	lce_link_maintenance	8.39	m	m
5	lce_link_suspend	-	i	i
6	lce_link_resume	-	i	i
7	lce_link_release	8.37, 8.38	m	m
8	lce_link_partial_release	8.39	m	m
9	lce_cl_message_routing	-	i	i
10	lce_cl_broadcast_announce	-	i	i
11	lce_timer_lce_01_mgt	8.37.1.1	m	m
12	lce_timer_lce_02_mgt	8.39.1.1	m	m
13	lce_timer_lce_03_mgt	8.35.1.1	m	m
14	lce_timer_lce_04_mgt	-	i	i
15	lce_timer_lce_05_mgt	8.36	m	m

Table A.11: Profile modification for EN 300 476-4 [3] table A.24 LLME procedures supported

Item	LLME procedures	Profile reference	Profile status R/B	Profile status P
1	mgt_prioritized_list_negotiation	-	i	i
2	mgt_exchanged_attribute_negotiation	-	i	i
3	mgt_operating_parameter_negotiation	-	i	i
4	mgt_service_modification	-	i	i
5	mgt_mm_procedures_prioriry_mgt	13.1	m	m
6	mgt_mm_cc_coexistance	6.9.6	m	m
7	mgt_mm_coms_coexistance	-	i	i
9	mgt_external_handover	-	i	i
10	mgt_test_call_back	-	i	i
11	mgt_test_hook_control	-	i	i
12	mgt_upper_tester	-	i	i

A.2.2 Messages

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

A.2.2.1 Call control messages

Table A.12: Profile modification for EN 300 476-4 [3] table A.25 CC receiving (P to F) messages supported

Item	CC receiving (P to F) Message name	Profile reference	Profile status R/B/P
1	CC-SETUP	8.2	m
2	CC-INFOrmation	8.10	m
5	CC-ALERTING	8.13	m
6	CC-CONNECT	8.15	m
8	CC-RELEASE	8.7, 8.8	m
9	CC-RELEASE-COMplete	8.7, 8.9	m
14	IWU-INFOrmation	-	i

Table A.13: Profile modification for EN 300 476-4 [3] table A.26
CC sending (F to P) messages supported

Item	CC sending (F to P) Message name	Profile reference	Profile status R/B/P
1	CC-SETUP	8.12	m
2	CC-INFOrmation	8.16	note A
3	CC-SETUP-ACKnowledge	8.3	o
4	CC-CALL-PROCeeding	8.4	o
5	CC-ALERTING	8.5	o
6	CC-CONNECT	8.6	m
7	CC-CONNECT-ACKnowledge	8.15	m
8	CC-RELEASE	8.7, 8.9	m
9	CC-RELEASE-COMplete	8.7, 8.8	m
13	CC-NOTIFY	6.9.6	o
14	IWU-INFOrmation	-	i

Table A.14: Profile modification for EN 300 476-4 [3] table A.27
CC-SETUP receiving (P to F) supported

Item	CC-SETUP receiving (P to F) Information element name	Profile reference	Profile status R/B/P
6	IWU attributes	-	i
7	Repeat indicator "prioritized list"	-	i
8	Call attributes 1	-	i
9	Call attributes 2	-	i
10	Call attributes 3	-	i
11	Repeat indicator "non-prioritized list"	-	i
12	Connection attributes 1	-	i
13	Connection attributes 2	-	i
14	Connection attributes 3	-	i
15	Cipher info	-	i
16	Connection identity	-	i
17	Facility	-	i
20	Keypad	-	i
22	Feature Activate	-	i
24	Network parameter	-	i
26	Terminal capability	-	i
27	End-to-end compatibility	-	i
28	Rate parameters	-	i
29	Transit delay	-	i
30	Window size	-	i
31	Calling party number	-	i
32	Called party number	-	i
33	Called party subaddress	-	i
34	Sending complete	-	i
35	IWU-to-IWU	-	i
36	IWU-PACKET	-	i
37	Escape to proprietary	-	i

Table A.15: Profile modification for EN 300 476-4 [3] table A.28
CC-SETUP sending (F to P) supported

Item	CC-SETUP sending (F to P) Information element name	Profile reference	Profile status R/B/P
6	IWU attributes	-	i
7	Repeat indicator "prioritized list"	-	i
8	Call attributes 1	-	i
9	Call attributes 2	-	i
10	Call attributes 3	-	i
11	Repeat indicator "prioritized list"	-	i
12	Connection attributes 1	-	i
13	Connection attributes 2	-	i
14	Connection attributes 3	-	i
15	Cipher info	-	i
16	Connection identity	-	i
17	Facility	-	i
18	Progress Indicator	-	i
19	Display	8.16	note A
21	Signal	8.14	note A
23	Feature Indicate	-	i
27	End-to-end compatibility	-	i
28	Rate parameters	-	i
29	Transit delay	-	i
30	Window size	-	i
31	Calling party number	8.12	c.a1501
32	Called party number	-	i
33	Called party subaddress	-	i
34	Sending complete	-	i
35	IWU-to-IWU	-	i
36	IWU-PACKET	-	i
37	Escape to proprietary	-	i
c.a1501: IF feature N30 (CLIP) implemented THEN m ELSE i.			

Table A.16: Profile modification for EN 300 476-4 [3] table A.29
CC-INFO receiving (P to F) supported

Item	CC-INFO receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Location area	-	i
3	NWK assigned identity	-	i
4	Facility	-	i
7	Keypad	8.10	m
9	Feature activate	-	i
11	Network parameter	-	i
13	Calling party number	-	i
14	Called party number	-	i
15	Called party subaddress	-	i
16	Sending complete	-	i
18	IWU-to-IWU	-	i
19	IWU-packet	-	i
20	Escape to proprietary	-	i

Table A.17: Profile modification for EN 300 476-4 [3] table A.30
CC-INFO sending (F to P) supported

Item	CC-INFO sending (F to P) Information element name	Profile reference	Profile status R/B/P
4	Facility	-	i
5	Progress Indicator	-	i
6	Display	8.16	note A
8	Signal	8.14	note A
10	Feature indicate	-	i
13	Calling party number	-	i
14	Called party number	-	i
15	Called party subaddress	-	i
16	Sending complete	-	i
17	Test hook control	-	i
18	IWU-to-IWU	-	i
19	IWU-packet	-	i
20	Escape to proprietary	-	i

Table A.18: Profile modification for EN 300 476-4 [3] table A.31
CC-SETUP-ACK sending (F to P) supported

Item	CC-SETUP-ACK sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Info type	-	i
3	Portable identity	-	i
4	Fixed identity	-	i
5	Location area	-	i
6	IWU attributes	-	i
7	Call attributes	-	i
8	Connection attributes	-	i
9	Connection identity	-	i
10	Facility	-	i
11	Progress indicator	8.3.1	o
12	Display	8.16	note A
13	Signal	-	i
14	Feature indicate	-	i
17	Transit delay	-	i
18	Window size	-	i
19	Delimiter request	-	i
20	IWU-TO-IWU	-	i
21	IWU-PACKET	-	i
22	Escape to proprietary	-	i

Table A.19: Profile modification for EN 300 476-4 [3] table A.32
CC-CALL-PROC sending (F to P) supported

Item	CC-CALL-PROC sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	IWU attributes	-	i
3	Call attributes	-	i
4	Connection attributes	-	i
5	Connection identity	-	i
6	Facility	-	i
7	Progress indicator	8.4.1	o
8	Display	8.16	note A
9	Signal	-	i
10	Feature indicate	-	i
11	Transit delay	-	i
12	Window size	-	i
13	IWU-to-IWU	-	i
14	IWU-PACKET	-	i
15	Escape to proprietary	-	i

Table A.20: Profile modification for EN 300 476-4 [3] table A.33
CC-ALERTING receiving (P to F) supported

Item	CC-ALERTING receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	IWU attributes	-	i
3	Call attributes	-	i
4	Connection attributes	-	i
5	Connection identity	-	i
11	Terminal capability	-	i
12	Transit delay	-	i
13	Window size	-	i
14	IWU-to-IWU	-	i
15	IWU-PACKET	-	i
16	Escape to proprietary	-	i

Table A.21: Profile modification for EN 300 476-4 [3] table A.34
CC-ALERTING sending (F to P) supported

Item	CC-ALERTING sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	IWU attributes	-	i
3	Call attributes	-	i
4	Connection attributes	-	i
5	Connection identity	-	i
6	Facility	-	i
7	Progress Indicator	8.5.1	o
8	Display	8.16	note A
9	Signal	-	i
10	Feature indicate	-	i
12	Transit delay	-	i
13	Window size	-	i
14	IWU-to-IWU	-	i
15	IWU-PACKET	-	i
16	Escape to proprietary	-	i

Table A.22: Profile modification for EN 300 476-4 [3] table A.35
CC-CONNECT receiving (P to F) supported

Item	CC-CONNECT receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	IWU attributes	-	i
3	Call attributes	-	i
4	Connection attributes	-	i
5	Connection identity	-	i
6	Facility	-	i
13	Terminal capability	-	i
14	Transit delay	-	i
15	Window size	-	i
16	IWU-to-IWU	-	i
17	IWU-PACKET	-	i
18	Escape to proprietary	-	i

Table A.23: Profile modification for EN 300 476-4 [3] table A.36
CC-CONNECT sending (F to P) supported

Item	CC-CONNECT sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	IWU attributes	-	i
3	Call attributes	-	i
4	Connection attributes	-	i
5	Connection identity	-	i
6	Facility	-	i
7	Progress indicator	-	i
8	Display	8.16	note A
9	Signal	-	i
10	Feature indicate	-	i
14	Transit delay	-	i
15	Window size	-	i
16	IWU-to-IWU	-	i
17	IWU-PACKET	-	i
18	Escape to proprietary	-	i

Table A.24: Profile modification for EN 300 476-4 [3] table A.38
CC-CONNECT-ACK sending (F to P) supported

Item	CC-CONNECT-ACK sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Display	8.16	note A
3	Feature indicate	-	i
4	IWU-to-IWU	-	i
5	IWU-PACKET	-	i
6	Escape to proprietary	-	i

Table A.25: Profile modification for EN 300 476-4 [3] table A.39
CC-RELEASE receiving (P to F) supported

Item	CC-RELEASE receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Release reason	8.9	c.a2501
7	IWU-to-IWU	-	i
8	IWU-PACKET	-	i
9	Escape to proprietary	-	i
c.a2501: IF A.7/21 THEN m ELSE i.			

Table A.26: Profile modification for EN 300 476-4 [3] table A.40
CC-RELEASE sending (F to P) supported

Item	CC-RELEASE sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Release reason	8.9	c.a2601
3	Facility	-	i
5	Display	8.16	note A
6	Feature indicate	-	i
7	IWU-to-IWU	-	i
8	IWU-PACKET	-	i
9	Escape to proprietary	-	i
c.a2601: IF A.7/21 THEN m ELSE i.			

Table A.27: Profile modification for EN 300 476-4 [3] table A.41
CC-RELEASE-COM receiving (P to F) supported

Item	CC-RELEASE-COM receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Release reason	8.9	c.a2701
5	IWU attributes	-	i
10	IWU-to-IWU	-	i
11	IWU-PACKET	-	i
12	Escape to proprietary	-	i
c.a2701: IF A.7/21 THEN m ELSE i.			

Table A.28: Profile modification for EN 300 476-4 [3] table A.42
CC-RELEASE-COM sending (F to P) supported

Item	CC-RELEASE-COM sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Release reason	8.9	c.a2801
3	Identity type	-	i
4	Location area	-	i
5	IWU attributes	-	i
6	Facility	-	i
7	Display	8.16	note A
8	Feature indicate	-	i
9	Network parameter	-	i
10	IWU-to-IWU	-	i
11	IWU-PACKET	-	i
12	Escape to proprietary	-	i
c.a2801: IF A.7/21 THEN m ELSE i.			

Table A.29: Profile modification for EN 300 476-4 [3] table A.49
CC-NOTIFY sending (F to P) supported

Item	CC-NOTIFY sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Timer restart	6.9.6	m
3	Escape to proprietary	-	i

A.2.2.2 Mobility management messages

Table A.30: Profile modification for EN 300 476-4 [3] table A.52
MM message receiving (P to F) supported

Item	MM message receiving (P to F) Information element name	Profile reference	Profile status R/B/P
3	ACCESS-RIGHTS-REQUEST	8.30	m
4	ACCESS-RIGHTS-TERMINATE-ACCEPT	8.31	note A
5	ACCESS-RIGHTS-TERMINATE-REJECT	8.31.2.1	note A
6	ACCESS-RIGHTS-TERMINATE-REQUEST	-	i
7	AUTHENTICATION-REJECT	8.23.2.1, 8.32.2.4	note A
8	AUTHENTICATION-REPLY	8.24, 8.25	note A
9	AUTHENTICATION-REQUEST	8.32, 8.23	note A
10	CIPHER-REJECT	8.33.2.1	note A
12	CIPHER-SUGGEST	8.34	note A
13	DETACH	-	i
14	IDENTITY-REPLY	8.22	note A
19	LOCATE-REQUEST	8.28	note A
22	MM-INFO-REQUEST	-	i
25	TEMPORARY-IDENTITY-ASSIGN-ACKnowledge	8.28	note A
26	TEMPORARY-IDENTITY-ASSIGN-REJECT	8.28.2.3	note A

Table A.31: Profile modification for EN 300 476-4 [3] table A.53
MM message sending (F to P) supported

Item	MM message sending (F to P) Information element name	Profile reference	Profile status R/B/P
1	ACCESS-RIGHTS-ACCEPT	8.30	m
2	ACCESS-RIGHTS-REJECT	8.30.2.1	m
4	ACCESS-RIGHTS-TERMINATE-ACCEPT	-	i
5	ACCESS-RIGHTS-TERMINATE-REJECT	-	i
6	ACCESS-RIGHTS-TERMINATE-REQUEST	8.31	note A
7	AUTHENTICATION-REJECT	8.32.2.3, 8.23.2.1	note A
8	AUTHENTICATION-REPLY	8.23, 8.32	note A
9	AUTHENTICATION-REQUEST	8.24, 8.25, 8.26, 8.27	note A
10	CIPHER-REJECT	8.34.2.1	note A
11	CIPHER-REQUEST	8.33	note A
15	IDENTITY-REQUEST	8.22	note A
16	KEY-ALLOCATE	8.32	note A
17	LOCATE-ACCEPT	8.28	note A
18	LOCATE-REJECT	8.28.2.1	note A
20	MM-INFO-ACCEPT	-	i
21	MM-INFO-REJECT	-	i
23	MM-INFO-SUGGEST	8.29	note A
24	TEMPORARY-IDENTITY-ASSIGN	-	i

Table A.32: Profile modification for EN 300 476-4 [3] table A.54
ACCESS-RIGHTS-ACCEPT sending (F to P) supported

Item	ACCESS-RIGHTS-ACCEPT sending (F to P) Information element name	Profile reference	Profile status R/B	Profile status P
3	Repeat indicator "non-prioritized"	-	i	i
5	Fixed identity (PARK) 2	-	i	i
6	Fixed identity (PARK) 3	-	i	i
7	Fixed identity (PARK) 4	-	i	i
8	Fixed identity (PARK) 5	-	i	i
9	Location area	-	i	i
10	Auth-type	-	i	i
11	Cipher-info	-	i	i
12	ZAP field	8.30	note A	note A
13	Service class	8.30	note A	m
14	Model identifier	-	i	i
15	IWU-to-IWU	-	i	i
16	Escape to proprietary	-	i	i

Table A.33: Profile modification for EN 300 476-4 [3] table A.55
ACCESS-RIGHTS-REJECT sending (F to P) supported

Item	ACCESS-RIGHTS-REJECT sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Reject reason	-	i
3	Duration	-	i
4	IWU-to-IWU	-	i
5	Escape to proprietary	-	i

Table A.34: Profile modification for EN 300 476-4 [3] table A.56
ACCESS-RIGHTS-REQUEST receiving (P to F) supported

Item	ACCESS-RIGHTS-REQUEST receiving (P to F) Information element name	Profile reference	Profile status R/B/P
3	Auth-type	8.30	m
4	Cipher-info	-	i
5	Set-up capability	-	i
6	Terminal Capability	8.30	m
7	Model identifier	-	i
8	IWU-to-IWU	-	i
9	Escape to proprietary	-	i

Table A.35: Profile modification for EN 300 476-4 [3] table A.57
ACCESS-RIGHTS-TERMINATE- ACCEPT receiving (P to F) supported

Item	ACCESS-RIGHTS-TERMINATE- ACCEPT receiving (P to F) - Information element name	Profile reference	Profile status R/B/P
2	Escape to proprietary	-	i

Table A.36: Profile modification for EN 300 476-4 [3] table A.59
ACCESS-RIGHTS-TERMINATE-REJECT receiving (P to F) supported

Item	ACCESS-RIGHTS-TERMINATE-REJECT receiving (P to F) - Information element name	Profile reference	Profile status R/B/P
2	Reject reason	-	i
4	Escape to proprietary	-	i

Table A.37: Profile modification for EN 300 476-4 [3] table A.62
ACCESS-RIGHTS-TERMINATE-REQUEST sending (F to P) supported

Item	ACCESS-RIGHTS-TERMINATE-REQUEST sending (F to P) Information element name	Profile reference	Profile status R/B/P
3	Repeat indicator "non-prioritized"	-	i
4	Fixed identity (PARK) 1	8.31	m
5	Fixed identity (PARK) 2	-	i
6	Fixed identity (PARK) 3	-	i
7	IWU-to-IWU	-	i
8	Escape to proprietary	-	i

Table A.38: Profile modification for EN 300 476-4 [3] table A.63
AUTHENTICATION-REJECT receiving (P to F) supported

Item	AUTHENTICATION-REJECT receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Repeat indicator "prioritized"	-	i
3	Auth-type 1	-	i
4	Auth-type 2	-	i
5	Auth-type 3	-	i
6	Reject reason	-	i
7	IWU-to-IWU	-	i
8	Escape to proprietary	-	i

Table A.39: Profile modification for EN 300 476-4 [3] table A.64
AUTHENTICATION-REJECT sending (F to P) supported

Item	AUTHENTICATION-REJECT sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Repeat indicator "prioritized"	-	i
3	Auth-type 1	-	i
4	Auth-type 2	-	i
5	Auth-type 3	-	i
6	Reject reason	-	i
7	IWU-to-IWU	-	i
8	Escape to proprietary	-	i

Table A.40: Profile modification for EN 300 476-4 [3] table A.65
AUTHENTICATION-REPLY receiving (P to F) supported

Item	AUTHENTICATION-REPLY receiving (P to F) Information element name	Profile reference	Profile status R/B/P
4	ZAP field	8.24	note A
5	Service class	8.24	note A
6	Key	-	i
7	IWU-to-IWU	-	i
8	Escape to proprietary	-	i

Table A.41: Profile modification for EN 300 476-4 [3] table A.66
AUTHENTICATION-REPLY sending (F to P) supported

Item	AUTHENTICATION-REPLY sending (F to P) Information element name	Profile reference	Profile status R/B/P
7	IWU-to-IWU	-	i
8	Escape to proprietary	-	i

Table A.42: Profile modification for EN 300 476-4 [3] table A.67
AUTHENTICATION-REQUEST receiving (P to F) supported

Item	AUTHENTICATION-REQUEST receiving (P to F) Information element name	Profile reference	Profile status R/B/P
6	Cipher info		i
7	IWU-to-IWU		i
8	Escape to proprietary		i

Table A.43: Profile modification for EN 300 476-4 [3] table A.68
AUTHENTICATION-REQUEST sending (F to P) supported

Item	AUTHENTICATION-REQUEST sending (F to P) Information element name	Profile reference	Profile status R/B/P
6	Cipher info	-	i
7	IWU-to-IWU	-	i
8	Escape to proprietary	-	i

Table A.44: Profile modification for EN 300 476-4 [3] table A.69
CIPHER-REJECT receiving (P to F) supported

Item	CIPHER-REJECT receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Repeat indicator "prioritized"	-	i
3	Cipher info 1	-	i
4	Cipher info 2	-	i
5	Cipher info 3	-	i
6	Reject reason	-	i
7	Escape to proprietary	-	i

Table A.45: Profile modification for EN 300 476-4 [3] table A.70
CIPHER-REJECT sending (F to P) supported

Item	CIPHER-REJECT sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Repeat indicator "prioritized"	-	i
3	Cipher info 1	-	i
4	Cipher info 2	-	i
5	Cipher info 3	-	i
6	Reject reason	-	i
7	Escape to proprietary	-	i

Table A.46: Profile modification for EN 300 476-4 [3] table A.71
CIPHER-REQUEST sending (F to P) supported

Item	CIPHER-REQUEST sending (F to P) Information element name	Profile reference	Profile status R/B/P
3	Call identity	-	i
4	Connection identity	-	i
5	IWU-to-IWU	-	i
6	Escape to proprietary	-	i

Table A.47: Profile modification for EN 300 476-4 [3] table A.72
CIPHER-SUGGEST receiving (P to F) supported

Item	CIPHER-SUGGEST receiving (P to F) Information element name	Profile reference	Profile status R/B/P
3	Call identity	-	i
4	Connection identity	-	i
5	IWU-to-IWU	-	i
6	Escape to proprietary	-	i

Table A.48: Profile modification for EN 300 476-4 [3] table A.74
IDENTITY-REPLY receiving (P to F) supported

Item	IDENTITY-REPLY receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Repeat Indicator "non-prioritized"	-	i
3	Portable identity 1	8.22	note A
4	Portable identity 2	-	i
5	Portable identity 3	-	i
6	Repeat Indicator "non-prioritized"	-	i
7	Fixed identity 1	8.22	note A
8	Fixed identity 2	-	i
9	Fixed identity 3	-	i
10	Repeat Indicator "non-prioritized"	-	i
11	NWK assigned identity 1	-	i
12	NWK assigned identity 2	-	i
13	NWK assigned identity 3	-	i
14	Model identifier	-	i
15	IWU-to-IWU	-	i
16	Escape to proprietary	-	i

Table A.49: Profile modification for EN 300 476-4 [3] table A.75
IDENTITY-REQUEST sending (F to P) supported

Item	IDENTITY-REQUEST sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Repeat indicator	-	i
4	Identity type 2	-	i
5	Identity type 3	-	i
6	IWU-to-IWU	-	i
7	Escape to proprietary	-	i

Table A.50: Profile modification for EN 300 476-4 [3] table A.76
KEY-ALLOCATE sending (F to P) supported

Item	KEY-ALLOCATE sending (F to P) Information element name	Profile reference	Profile status R/B/P
5	Escape to proprietary	-	i

Table A.51: Profile modification for EN 300 476-4 [3] table A.77
LOCATE-ACCEPT sending (F to P) supported

Item	LOCATE-ACCEPT sending (F to P) Information element name	Profile reference	Profile status R/B/P
4	Use TPUI	-	i
5	NWK assigned identity	-	i
6	Ext h/o indicator	-	i
7	Duration	-	i
8	Model identifier	-	i
9	IWU-to-IWU	-	i
10	Escape to proprietary	-	i

Table A.52: Profile modification for EN 300 476-4 [3] table A.78
LOCATE-REJECT sending (F to P) supported

Item	LOCATE-REJECT sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Reject reason	-	i
3	Duration	-	i
4	IWU-to-IWU	-	i
5	Escape to proprietary	-	i

Table A.53: Profile modification for EN 300 476-4 [3] table A.79
LOCATE-REQUEST receiving (P to F) supported

Item	LOCATE-REQUEST receiving (P to F) Information element name	Profile reference	Profile status R/B/P
5	NWK assigned identity	-	i
6	Cipher info	-	i
7	Setup capability	-	i
8	Terminal capability	8.28	m
9	Model identifier	-	i
10	IWU-to-IWU	-	i
11	Escape to proprietary	-	i

Table A.54: Profile modification for EN 300 476-4 [3] table A.83
MM-INFO-SUGGEST sending (F to P) supported

Item	MM-INFO-SUGGEST sending (F to P) Information element name	Profile reference	Profile status R/B/P
3	Call identity	-	i
4	Fixed identity	-	i
5	Location area	-	i
6	NWK assigned identity	-	i
7	Network parameter	-	i
8	Ext h/o indicator	-	i
9	Key	-	i
10	IWU-to-IWU	-	i
11	Escape to proprietary	-	i

Table A.55: Profile modification for EN 300 476-4 [3] table A.85
TEMPORARY-IDENTITY-ASSIGN-ACK receiving (P to F) supported

Item	TEMPORARY-IDENTITY-ASSIGN-ACK receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Escape to proprietary	-	i

Table A.56: Profile modification for EN 300 476-4 [3] table A.86
TEMPORARY-IDENTITY-ASSIGN-REJECT receiving (P to F) supported

Item	TEMPORARY-IDENTITY-ASSIGN-REJECT receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Reject reason	-	i
3	Escape to proprietary	-	i

A.2.2.3 Connection-related and connection independent supplement service messages

For the purpose of CRSS the related information can be carried in a number of CC messages (see EN 300 175-5 [1] clause 10). These are described in clause A.2.2.1 and are not listed below.

Table A.57: Profile modification for EN 300 476-4 [3] table A.87
CRSS and CISS messages receiving (P to F) supported

Item	CRSS and CISS messages receiving (P to F) Message name	Profile reference	Profile status R/B/P
1	FACILITY	-	i
2	HOLD	-	i
3	HOLD-ACKnowledge	-	i
4	HOLD-REJECT	-	i
5	RETRIEVE	-	i
6	RETRIEVE-ACKnowledge	-	i
7	RETRIEVE-REJECT	-	i
8	CISS-REGISTER	-	i
9	CISS-RELEASE-COMplete	-	i

Table A.58: Profile modification for EN 300 476-4 [3] table A.88
CRSS and CISS messages sending (F to P) supported

Item	CRSS and CISS messages sending (F to P) Message name	Profile reference	Profile status R/B/P
1	FACILITY	-	i
2	HOLD	-	i
3	HOLD-ACKnowledge	-	i
4	HOLD-REJECT	-	i
5	RETRIEVE	-	i
6	RETRIEVE-ACKnowledge	-	i
7	RETRIEVE-REJECT	-	i
8	CISS-REGISTER	-	i
9	CISS-RELEASE-COMplete	-	i

A.2.2.4 Link control entity messages

Table A.59: Profile modification for EN 300 476-4 [3] table A.128
LCE message receiving (P to F) supported

Item	LCE message receiving (P to F) Information element name	Profile reference	Profile status R/B/P
1	LCE-PAGE-RESPONSE	8.35	m

Table A.60: Profile modification for EN 300 476-4 [3] table A.129
LCE message sending (F to P) supported

Item	LCE message sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	LCE-PAGE-REJECT	8.35.2.1	m
3	LCE-REQUEST-PAGE short	8.35	m
4	LCE-REQUEST-PAGE long	-	i

Table A.61: Profile modification for EN 300 476-4 [3] table A.130
LCE-PAGE-RESPONSE receiving (P to F) supported

Item	LCE-PAGE-RESPONSE receiving (P to F) Information element name	Profile reference	Profile status R/B/P
3	Fixed identity	8.35	m
4	NWK assigned identity	-	i
5	Cipher info	-	i
6	Escape to proprietary	-	i

Table A.62: Profile modification for EN 300 476-4 [3] table A.131
LCE-PAGE-REJECT sending (F to P) supported

Item	LCE-PAGE-REJECT sending (F to P) Information element name	Profile reference	Profile status R/B/P
3	Fixed identity	-	i
4	Reject reason	-	i
5	Escape to proprietary	-	i

A.2.3 Information elements

To express the profile requirements of EN 300 444 [2], the following tables indicate the change of status for support and values allowed of NWK layer information elements. The support of each information element itself is dependent on the support of the information element in each particular message as stated in clause A.2.2.

A.2.3.1 Fixed length information element support

Table A.63: Profile modification for EN 300 476-4 [3] table A.138
Type of service class in basic service supported

Item	Type of service class in basic service supported	Profile reference	Profile status R/B/P
1	Basic service "Normal call set-up"	8.2	m
2	Basic service "Internal call set-up"	8.2, 8.18	note A
3	Basic service "Emergency call set-up"	-	i
4	Basic service "Service call set-up"	8.2, 8.20	note A
5	Basic service "External handover call set-up"	-	i
6	Basic service "Message call set-up"	-	i
7	Basic service "DECT/ISDN IIP call set-up"	-	i
8	Basic service "Supplementary service call set-up"	-	i
9	Basic service "OA&M call set-up"	-	i

Table A.64: Profile modification for EN 300 476-4 [3] table A.139
Basic service - Normal call set-up supported

Item	Basic service - Normal call set-up Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Basic service	8.2	m	"0000"B

Table A.65: Profile modification for EN 300 476-4 [3] table A.140 Basic service - Internal call set-up supported

Item	Basic service - Internal call set-up Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Basic service	8.2	m	"0000"B

Table A.66: Profile modification for EN 300 476-4 [3] table A.142 Basic service - Service call set-up supported

Item	Basic service - Service call set-up Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Basic service	8.2	m	"0000"B

Table A.67: Profile modification for EN 300 476-4 [3] table A.148 Single display supported

Item	Single display	Profile reference	Profile status R/B/P	Profile value allowed
1	Single display	-	i	-

Table A.68: Profile modification for EN 300 476-4 [3] table A.149 Single-keypad supported

Item	Single keypad	Profile reference	Profile status R/B/P	Profile value allowed
1	Single keypad	-	i	-

Table A.69: Profile modification for EN 300 476-4 [3] table A.150 Release-reason supported

Item	Release-reason Name of field	Profile reference	Profile status R/B/P	Profile value allowed
2	Release reason code	8.9	m	0EH

Table A.70: Profile modification for EN 300 476-4 [3] table A.151 Signal supported

Item	Signal Name of field	Profile reference	Profile status R/B/P	Profile value allowed
2	Signal value	8.12, 8.14	m	"01000000"B "01000111"B "01001000"B "01001111"B

A.2.3.2 Variable length information element supported

Table A.71: Profile modification for EN 300 476-4 [3] table A.213 Allocation type supported

Item	Allocation type Name of field	Profile reference	Profile status R/B/P	Profile value allowed
4	User Authentication Key (UAK) number	8.32	m	"1000"B
5	Authentication Code (AC) number	8.32	m	"1000"B

Table A.72: Profile modification for EN 300 476-4 [3] table A.215 Auth-type supported

Item	Auth-type Name of field	Profile reference	Profile status R/B/P	Profile value allowed
2	Length of Contents (L)	8.23, 8.24, 8.25, 8.26, 8.27, 8.30, 8.32	m	0, 3
3	Authentication algorithm identifier	8.23, 8.24, 8.25, 8.26, 8.27, 8.30, 8.32	m	"00000001"B
4	Proprietary algorithm identifier	8.23, 8.24, 8.25, 8.26, 8.27, 8.30, 8.32	i	-
5	Authentication key type	8.23, 8.24, 8.25, 8.26, 8.27, 8.30, 8.32	m	"0001"B, "0100"B
6	Authentication key number	8.23, 8.24, 8.25, 8.26, 8.27, 8.30, 8.32	m	"1000"B
9	TXC bit	-	m	0
10	UPC bit	-	m	0, 1
11	Cipher key number	8.23, 8.24, 8.25, 8.26, 8.27, 8.30, 8.32	m	"0000"B "1000"B

Table A.73: Profile modification for EN 300 476-4 [3] table A.221 Cipher info supported

Item	Cipher info Name of field	Profile reference	Profile status R/B/P	Profile value allowed
4	Cipher algorithm identifier	8.33	m	"0000001"B
5	Proprietary algorithm identifier	-	i	-
6	Cipher key type	8.33	m	"1001"B
7	Cipher key number	8.33	m	"1000"B

Table A.74: Profile modification for EN 300 476-4 [3] table A.248 Class Fixed identity supported

Item	Class Fixed identity	Profile reference	Profile status R/B/P
1	Fixed identity class A	8.22, 8.28, 8.30	o.a7401
2	Fixed identity class B	8.22, 8.28, 8.30	o.a7401
3	Fixed identity class C	8.22, 8.28, 8.30	o.a7401
4	Fixed identity class D	-	i
o.a7401: It is mandatory to support at least one of these options.			

Table A.75: Profile modification for EN 300 476-4 [3] table A.257 Identity type supported

Item	Identity type	Profile reference	Profile status R/B/P
1	Identity type "Portable identity"	8.22	m
2	Identity type "NWK assigned identity"	-	i
3	Identity type "Fixed identity"	8.22	m
4	Identity type "Proprietary"	-	i

Table A.76: Profile modification for EN 300 476-4 [3] table A.262 Info type supported

Item	Info type Name of field	Profile reference	Profile status R/B/P	Profile value allowed
2	Length of Contents (L)	8.29	m	0, 1
3	Oct3_ext_bit	8.29	m	"0"B
4	Parameter coding	8.29	m	"0000000"B
5	Ext_bit and Parameter coding (group of octets)	-	i	-

Table A.77: Profile modification for EN 300 476-4 [3] table A.267
Location area info types supported

Item	Location area info types supported	Profile reference	Profile status R/B/P
1	Location area "No ELI"	8.28	m
2	Location area "With ELI no GSM info indicated"	-	i
3	Location area "No ELI GSM info indicated"	-	i

Table A.78: Profile modification for EN 300 476-4 [3] table A.271
Multi-display - DECT standard supported

Item	Multi-display - DECT standard Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Display information (group of octets)	8.16	m	len_o: 1 .. 61 val: 0CH, 20H, 23H 2AH, 30H .. 39H

Table A.79: Profile modification for EN 300 476-4 [3] table A.271
Multi-display - DECT control supported

Item	Multi-display - DECT control Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Display information (group of octets)	8.16	m	len_o: 1 .. 61 val: 08H .. 0BH, 0DH

Table A.80: Profile modification for EN 300 476-4 [3] table A.272
Multi-keypad supported - dialling pause

Item	Multi-keypad - dialling pause Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 - val: 05H

Table A.81: Profile modification for EN 300 476-4 [3] table A.272
Multi-keypad - Go to pulse supported

Item	Multi-keypad - Go to pulse Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 - val: 12H

Table A.82: Profile modification for EN 300 476-4 [3] table A.272
Multi-keypad - Go to DTMF defined tone length supported

Item	Multi-keypad - Go to DTMF defined tone length - Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 - val: 14H

Table A.83: Profile modification for EN 300 476-4 [3] table A.271
Multi-keypad - register recall supported

Item	Multi-keypad - register recall Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 - val: 15H

Table A.84: Profile modification for EN 300 476-4 [3] table A.272 Multi-keypad - Go to DTMF infinite tone length supported

Item	Multi-keypad - Go to DTMF infinite tone length - Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 - val: 16H

Table A.85: Profile modification for EN 300 476-4 [3] table A.272 Multi-keypad - internal call supported

Item	Multi-keypad - internal call Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 - val: 17H

Table A.86: Profile modification for EN 300 476-4 [3] table A.272 Multi-keypad - service call supported

Item	Multi-keypad - service call Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 - val: 18H

Table A.87: Profile modification for EN 300 476-4 [3] table A.272 Multi-keypad - dialled digit basic supported

Item	Multi-keypad - dialled digit basic Name of field	Profile reference	Profile status R/B/P	Profile value allowed
3	Keypad information (group of octets)	8.10	m	len_o: 1 .. 61 val: 23H, 2AH, 30H, 39H

Table A.88: Profile modification for EN 300 476-4 [3] table A.282 Type of portable identity supported

Item	Type of portable identity Identity name	Profile reference	Profile status R/B/P
1	IPEI	8.30	m
2	IPUI-N	8.30	m
3	IPUI-S	8.30	m
4	IPUI-O	8.30	m
5	IPUI-T	8.30	m
6	IPUI-P	8.30	m
7	IPUI-Q	8.30	m
8	IPUI-U	8.30	m
9	IPUI-R	8.30	m
10	TPUI-default	8.30, 8.28	m
11	TPUI-assigned individual	8.30, 8.28	m
12	TPUI-assigned call group	-	i
13	TPUI-assigned connectionless group	-	i

Table A.89: Profile modification for EN 300 476-4 [3] table A.295 Progress indicator supported

Item	Progress indicator Name of field	Profile reference	Profile status R/B/P	Profile value allowed
8	Progress description	8.3, 8.4, 8.5	m	"0001000"B

Table A.90: Profile modification for EN 300 476-4 [3] table A.307 Terminal capability supported

Item	Terminal capability Name of field	Profile reference	Profile status R/B/P	Profile value allowed
2	Length of contents (L)	8.17, C.2.5	m	0, 3..255
3	Oct3_ext_bit	8.17, C.2.5	m	"1"B
4	Tone capability	8.17, C.2.5	m	"000"B .. "100"B
5	Display capability	8.17, C.2.5	m	"0000"B .. "0101"B
6	Oct3b_ext_bit	-	i	-
7	Echo param	-	i	-
8	N-rej	-	i	-
9	A-vol	-	i	-
10	Oct3c_ext_bit	-	i	-
11	slot type capability	-	i	-
12	Oct3d_ext_bit	-	i	-
13	Number of stored display characters (MS)	-	i	-
14	Oct3e_ext_bit	-	i	-
15	Number of stored display characters (LS)	-	i	-
16	Oct3f_ext_bit	-	i	-
17	Number of lines in (physical) display	-	i	-
18	Oct3g_ext_bit	-	i	-
19	Number of characters per line	-	i	-
20	Oct3h_ext_bit	-	i	-
21	Scrolling behaviour field	-	i	-
22	Oct4_ext_bit	8.17, C.2.5	m	"1"B
23	Profile indicator_1	8.17, C.2.5	m	"xxxxx1x"B
24	Oct4a_ext_bit	-	i	-
25	Profile indicator_2	-	i	-
26	Oct4b_ext_bit	-	i	-
27	Profile/Application indicator_3	-	i	-
28	Oct5_ext_bit	8.17, C.2.5	m	"1"B
29	Oct5_spare	8.17, C.2.5	m	"0000"B
30	Control Codes	8.17, C.2.5	m	"000"B .. "100"B
31	Oct5a_ext_bit	-	i	-
32	Escape to 8 bit character sets_1	-	i	-

A.2.3.3 Escape information elements support

All the escape information elements are out of scope for all GAP only equipment.

A.2.4 Protocol error handling

The supplier of the implementation shall state the support of the implementation for each of the following protocol error and exception handling procedures.

Table A.91: Profile modification for EN 300 476-4 [3] table A.329
Error and exception handling procedures supported

Item	Error and exception handling procedures Procedure name	Profile reference	Profile status R/B/P
1	eeh_protocol_discriminator_error	6.9.4	m
3	eeh_illegal_and_unsupported_transaction_identity_error	6.9.4	m
4	eeh_unknown_active_cc_call	6.9.4	m
5	eeh_unknown_active_ciss_call	-	i
6	eeh_unknown_active_coms_call	-	i
7	eeh_unknown_active_clms_call	-	i
8	eeh_unknown_active_mm_transaction	6.9.4	m
9	eeh_unknown_active_lce_transaction	6.9.4	m
11	eeh_cc_message_error	6.9.4	m
12	eeh_ciss_message_error	-	i
13	eeh_coms_message_error	-	i
14	eeh_clms_message_error	-	i
15	eeh_mm_message_error	6.9.4	m
16	eeh_lce_message_error	6.9.4	m
19	eeh_mandatory_info_element_missing_in_cc_message	6.9.4	m
20	eeh_mandatory_info_element_content_error_in_cc_message	6.9.4	m
21	eeh_mandatory_info_element_missing_in_coms_message	-	i
22	eeh_mandatory_info_element_missing_in_clms_message	-	i
23	eeh_mandatory_info_element_error_in_mm_message	6.9.4	m
24	eeh_mandatory_info_element_error_in_lce_message	6.9.4	m
27	eeh_data_link_reset	-	i
28	eeh_data_link_failure	-	i

A.3 Data Link Control (DLC) layer - FT: profile ICS

A.3.1 Capabilities

A.3.1.1 Services

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

Table A.92: Profile modification for EN 300 476-5 [4] table A.9 Data link services

Item	Data link services	Profile reference	Profile status R/B/P
1	C-plane services	5.1	m
2	U-plane services	5.1	m

A.3.1.1.1 C-plane services

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

Table A.93: Profile modification for EN 300 476-5 [4] table A.10 C-plane services

Item	C-plane services	Profile reference	Profile status R/B/P
1	Class U service	-	i
2	Class A service	5.1	m
3	Class B service	-	i
4	Broadcast service	5.1	m

A.3.1.1.2 U-plane services

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

Table A.94: Profile modification for EN 300 476-5 [4] table A.11 U-plane services

Item	U-plane services	Profile reference	Profile status R/B/P
1	LU1 - TRansparent UnProtected service (TRUP)	5.1	m
2	LU2 - Frame RElay service (FREL)	-	i
3	LU3 - Frame SWItching service (FSWI)	-	i
4	LU4 - Forward Error Correction service (FEC)	-	i
5	LU5 - Basic Rate AdapTation (BRAT) protected service	-	i
6	LU5 - Basic Rate AdapTation (BRAT) unprotected service	-	i
7	LU6 - Secondary Rate AdapTation service (SRAT)	-	i
8	LU7 - 64kbit/s data bearer service with ARQ mechanism	-	i
9	LU8 - 64kbit/s data bearer service without ARQ mechanism	-	i
10	LU9 - Unprotected Rate Adaption for V series equipment (RAVE) Service	-	i
11	LU10 - Enhanced Data Service	-	i
12	LU16 - ESCape for non-standard family (ESC)	-	i

A.3.1.1.3 Management services

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

Table A.95: EN 300 476-5 [4] table A.12 Management services

Item	Management services	Profile reference	Profile status R/B	Profile status P
4	Connection handover management (Intracell/intercell voluntary)	5.1	Intra-cell: c.a9501 Inter-cell: o	Intra-cell: c.a9501 Inter-cell: o
5	Connection ciphering management (Encryption activation/deactivation)	5.1	Encryption activation: c.a9502 Encryption deactivation: c.a9503	Encryption activation: m Encryption deactivation: c.a9503
c.a9501: IF A.121/2 THEN o ELSE m. c.a9502: IF A.4/4 OR A.4/6 THEN m ELSE i. c.a9503: IF A.4/5 OR A.4/7 THEN m ELSE i.				

A.3.1.2 Procedures

A.3.1.2.1 Generic signalling procedures

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

Table A.96: Profile modification for EN 300 476-5 [4] table A.13 Generic signalling procedures

Item	Generic signalling procedures	Profile reference	Profile status R/B/P
2	C_S channel fragmentation and recombination	9.5	m
3	C_F channel fragmentation and recombination	-	i

A.3.1.2.2 Class A procedures

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

Table A.97: Profile modification for EN 300 476-5 [4] table A.15 Class A procedures

Item	Class A procedures	Profile reference	Profile status R/B/P
1	Class A link establishment	9.1	m
2	Class A acknowledged information transfer	9.2	m
3	Class A link release	9.3	m
4	Class A link re-establishment	9.4	m
5	Class A (basic) connection handover	9.7	c.a9701
c.a9701: IF A.95/4 THEN m ELSE i.			

A.3.1.2.3 Broadcast procedures

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

Table A.98: Profile modification for EN 300 476-5 [4] table A.17 Broadcast procedures

Item	Broadcast procedures	Profile reference	Profile status R/B/P
1	Normal operation (Normal broadcast)	9.6	m
2	Expedited operation	-	i

A.3.1.2.4 LU1 procedures

To express the profile requirements of EN 300 444 [2], the following table indicates the change of status for support of LU1 procedures.

Table A.99: Profile modification for EN 300 476-5 [4] table A.18 LU1 procedures

Item	LU1 procedures	Profile reference	Profile status R/B/P
1	U plane Class 0/min_delay	9.9	m
2	U plane Class 0	-	i
3	FU1 frame operation	9.10	note A

A.3.1.2.5 Management procedures

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

Table A.100: Profile modification for EN 300 476-5 [4] table A.35 Management procedures

Item	Management procedures	Profile reference	Profile status R/B	Profile status P
1	MAC connection management	9.1.1.4	m	m
3	DLC U-plane management	9.9.1.1	m	m
4	Connection handover management	9.7.2.1	c.a10001	c.a10001
5	Connection ciphering management	9.8	c.a10002	c.a10003
c.a10001: Intra cell: IF A.121/2 THEN o ELSE m - Inter-cell: o. c.a10002: Activation IF 4/4 THEN m ELSE i - Deactivation: IF A.4/6 THEN m ELSE i. c.a10003: Activation m - Deactivation: IF 4/6 THEN m ELSE i.				

Table A.101: Profile modification for EN 300 476-5 [4] table A.36 MAC connection management procedures

Item	MAC connection management procedures	Profile reference	Profile status R/B/P
5	Selection of logical channels (only C_S) (C_S channel fragmentation and recombination)	9.5	m

Table A.102: Profile modification for EN 300 476-5 [4] table A.39 Connection ciphering management procedures

Item	Connection ciphering management procedures	Profile reference	Profile status R/B/P
1	Providing a key to the MAC layer	9.8.1.1	note A
2	Starting the ciphering	9.8	note A
3	Stopping the ciphering	9.8	note A
4	Connection handover of ciphered connection	9.8.2.2	c.a10201
c.a10201: IF A.100/4 THEN m ELSE n/a			

A.3.1.3 Parameters

A.3.1.3.1 LU1 parameters

To express the profile requirements of EN 300 444 [2], the following table indicates the change of status for support of LU1 connection types.

Table A.103: Profile modification for EN 300 476-5 [4] table A.45 LU1 Connection types

Item	Connection types	Profile reference	Profile status R/B/P
1	I_N / min delay - Half slot (10 octets)	-	i
2	I_N / normal delay - Half slot (10 octets)	-	i
3	I_N / min delay - Full slot (40 octets)	9.10	m
4	I_N / normal delay - Full slot (40 octets)	-	i
5	I_N / min delay - Double slot (100 octets)	-	i
6	I_N / normal delay - Double slot (100 octets)	-	i

A.3.1.4 Messages

A.3.1.4.1 C-plane PDUs

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

Table A.104: Profile modification for EN 300 476-5 [4] table A.67 Broadcast service frame structure (Sending F to P)

Item	Frame elements	Profile reference	Profile status R/B/P
1	Short frame format (3 octets)	9.6	m
2	Long frame format (5 octets)	-	i

A.4 Medium Access Control (MAC) layer - FT: profile ICS

A.4.1 Major capabilities

A.4.1.1 Services

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

Table A.105: Profile modification for EN 300 476-6 [5] table A.9 Service groups supported

Item	Name of service	Profile reference	Profile status R/B/P
1	Connection oriented control	5.2	m
2	Broadcast control	5.2	m
3	Connectionless control	-	i
4	Multiplexing (General)	5.2, 10.1	note A
5	Management (General)	5.2, 10.1	note A

A.4.1.1.1 Connection oriented control services

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

Table A.106: Profile modification for EN 300 476-6 [5] table A.10 Connection oriented control services

Item	Connection oriented control services	Profile reference	Profile status R/B/P
1	Basic connections	5.2	m
2	Advanced symmetric connections	-	i
3	Advanced asymmetric connections	-	i
4	Physical connections	5.2	m

Table A.107: Profile modification for EN 300 476-6 [5] table A.11 Connection services

Item	Connection services	Profile reference	Profile status R/B/P
1	Connection setup (Basic connections)	5.2	note A
3	Connection data transfer (Basic connections)	5.2	note A
4	Connection release (Basic connections)	5.2	note A

Table A.108: Profile modification for EN 300 476-6 [5] table A.12 Symmetric connection oriented services

Item	Symmetric connection oriented services	Profile reference	Profile status R/B/P
1	Type 1 I_N_minimum_delay (General)	5.2, 10.1	m
2	Type 2 I_N_normal_delay	-	i
3	Type 3 I_P_error_detection	-	i
4	Type 4 I_P_error_correction	-	i

Table A.109: Profile modification for EN 300 476-6 [5] table A.14 C-plane connection services

Item	C-plane connection services	Profile reference	Profile status R/B/P
1	Only C_S channel supported (C_S higher layer signalling)	5.2	m
2	C_S and C_F channels supported	-	i
3	Only C_F channel supported	-	i

A.4.1.1.2 Broadcast control services

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

Table A.110: Profile modification for EN 300 476-6 [5] table A.15 Broadcast control services

Item	Broadcast services	Profile reference	Profile status R/B/P
1	Continuous broadcast	5.2	note A
2	Non-continuous broadcast	-	i
3	Paging broadcast	5.2	m

A.4.1.1.3 Multiplexing services

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

Table A.111: Profile modification for EN 300 476-6 [5] table A.19 CSF multiplexing services

Item	CSF multiplexing services	Profile reference	Profile status R/B	Prof.Status P
1	D-MAP (General)	5.2, 10.1	note A	note A
2	A-MAP (General)	5.2, 10.1	note A	note A
3	B-MAP	10.1	m	m
5	E/U-MUX	10.1	m	m
4	T-MUX (General)	5.2, 10.1	note A	note A
6	C-MUX	10.1	m	i
7	Encryption activation	5.2	c.a11101	m
8	Encryption deactivation	5.2	c.a11102	c.a11102
9	Scrambling (General)	5.2, 10.1	note A	note A
10	Error control R-CRC	10.1	m	m
11	Error control X-CRC	10.1	m	m
12	Broadcast control	5.2, 10.1	note A	note A
c.a11101: IF A.4/4 THEN m ELSE i. c.a11102: IF A.4/6 THEN m ELSE i.				

Table A.112: Profile modification for EN 300 476-6 [5] table A.20 D-MAP services

Item	D-MAP	Profile reference	Profile status R/B/P
1	D-field MAP D80	-	i
2	D-field MAP D32 (General)	5.2, 10.1	m
3	D-field MAP D08	-	i
4	D-field MAP D00 (General)	5.2, 10.1	m
5	D-field MAP D160	-	i
6	D-field MAP D64	-	i
7	D-field MAP D16	-	i
8	D-field MAP D240	-	i
9	D-field MAP D96	-	i
10	D-field MAP D24	-	i

Table A.113: Profile modification for EN 300 476-6 [5] table A.21 B-MAP services

Item	B-MAP	Profile reference	Profile status R/B/P
1	B-field MAP unprotected format (General)	5.2, 10.1	m
2	B-field MAP protected format	-	i

Table A.114: Profile modification for EN 300 476-6 [5] table A.22 E/U mux services

Item	E/U MUX	Profile reference	Profile status R/B/P
1	E/U-mux E type	-	i
2	E/U-mux U type (General)	5.2, 10.1	m

Table A.115: Profile modification for EN 300 476-6 [5] table A.23 C mux mapping services

Item	Time multiplexers - C mux	Profile reference	Profile status R/B/P
1	C-mux double slot	-	i
2	C-mux full slot (General)	5.2, 10.1	i
3	C-mux half slot	-	i

A.4.1.1.4 Management services

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

Table A.116: Profile modification for EN 300 476-6 [5] table A.24 Management services

Item	Management services	Profile reference	Profile status R/B/P
5	In-connection quality control (Quality control)	5.2	note A
9	SARI support	5.2	o

Table A.117: Profile modification for EN 300 476-6 [5] table A.25 Handover services management

Item	Handover services	Profile reference	Profile status R/B/P
1	Connection handover (intra/inter cell)	5.2	intra-cell: o.a11701 inter-cell: o
2	Bearer handover (intra/inter cell)	5.2	intra-cell: o.a11701 inter-cell: o
o.a11701: It is mandatory to support at least one of these options.			

A.4.1.2 Procedures

A.4.1.2.1 Connection setup procedures

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

Table A.118: Profile modification for EN 300 476-6 [5] table A.26 C/O single bearer setup procedures

Item	Name of procedure	Profile reference	Profile status R/B/P
1	Basic setup, single bearer basic connection of known service (Setup of basic connection, basic bearer setup (A-field))	10.4	m
2	Normal setup, single bearer duplex connection known service	-	i
3	Fast setup, single bearer duplex connection known service	-	i

Table A.119: Profile modification for EN 300 476-6 [5] table A.29 C/O bearer setup procedures

Item	Name of procedure	Profile reference	Profile status R/B/P
1	Basic bearer setup	10.4	m

A.4.1.2.2 Connection data transfer procedures

To express the profile requirements of EN 300 444 [2], the following table indicates the change of status for support of C/O data transfer procedures.

Table A.120: Profile modification for EN 300 476-6 [5] table A.31 C/O data transfer procedures

Item	Name of procedure	Profile reference	Profile status R/B/P
2	C_S channel data	10.8	m
3	Q1/Q2 setting for sliding collision / A-,B-field check (FT to PT) (Sliding collision detection)	10.12	m
4	Antenna diversity (React on Q1 bit in direction PT to FT)	10.11	o
5	Q2 bit settings	10.9	m

A.4.1.2.3 Connection handover procedures

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

Table A.121: Profile modification for EN 300 476-6 [5] table A.32 C/O connection handover procedures

Item	Name of procedure	Profile reference	Profile status R/B/P
1	Connection handover (request)	10.7	c.a12101
2	Duplex bearer handover (request)	10.6	c.a12102
3	Double simplex bearer handover	-	i
c.a12101: IF A.117/1 THEN m ELSE i. c.a12102: IF A.117/2 THEN m ELSE i.			

A.4.1.2.4 Connection release procedures

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

Table A.122: Profile modification for EN 300 476-6 [5] table A.33 C/O connection release procedures

Item	Name of procedure	Profile reference	Profile status R/B/P
1	Unacknowledge bearer release	10.5	m

A.4.1.2.5 Broadcast procedures

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

Table A.123: Profile modification for EN 300 476-6 [5] table A.35 Broadcast procedures

Item	Name of procedure	Profile reference	Profile status R/B/P
1	Normal paging	10.3	m
2	Fast paging	-	i

A.4.1.2.6 CSF multiplexing procedures

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

Table A.124: Profile modification for EN 300 476-6 [5] table A.38 CSF multiplexing procedures

Item	CSF multiplexing procedures	Profile reference	Profile status R/B	Profile status P
1	Encryption			
	Encryption process - initialization and synchronization	10.13	c.a12401	m
	Encryption mode control	10.14	c.a12402	m
	Handover encryption process	10.15	c.a12401	m
2	Scrambling (General)	10.1	m	m
3	R-CRC generation	10.1	m	m
4	R-CRC checking	10.1	m	m
5	X-CRC generation	10.1	m	m
6	X-CRC checking	10.1	m	m
7	Broadcast control function	10.1	m	m
c.a12401: IF A.111/7 THEN m ELSE i. c.a12401: IF A.111/7 OR A.111/8 THEN m ELSE i.				

A.4.1.2.7 Layer management procedures

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

Table A.125: Profile modification for EN 300 476-6 [5] table A.39 Layer management procedures

Item	Name of procedure	Profile reference	Profile status R/B/P
1	Extended system information PP request	-	i
5	RFPI handshake	10.10	note A
7	RFP idle receiver scan sequence (General)	10.1	m
8	Test message procedures	-	i

A.4.1.3 Other capabilities

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

Table A.126: Profile modification for EN 300 476-6 [5] table A.40 Extended RF carriers supported

Item	Extended RF Carriers	Profile reference	Profile status R/B/P
1	Extended RF carriers (Extended frequency allocation)	10.16	o

A.4.2 Messages

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

A.4.2.1 A-Field

A.4.2.1.1 A-field header - B-field identification

Table A.127: Profile modification for EN 300 476-6 [5] table A.52 B-field identification (Receiving P to F)

Item	B-field identification	Profile reference	Profile status R/B/P
1	U-type, I_N, SI_N or I_P packet number 0	10.1	m
2	U-type, I_P error detect or I_P packet number 1	-	i
3	E-type, all C_F or CL_F, packet number 0	-	i
4	double slot required	-	i
5	E-type, all C_F, packet number 1	-	i
6	E-type, not all C_F or CL_F; packet number 0	-	i
7	Half slot required	-	i
8	E-type, not all C_F; C_F packet number 1	-	i
9	E-type, all MAC control (unnumbered)	-	i
10	No B-field	10.1	m

Table A.128: Profile modification for EN 300 476-6 [5] table A.53 B-field identification (Sending F to P)

Item	B-field identification	Profile reference	Profile status R/B/P
1	U-type, I_N, SI_N or I_P packet number 0	10.1	m
2	U-type, I_P error detect or I_P packet number 1	-	i
3	E-type, all C_F or CL_F, packet number 0	-	i
4	double slot required	-	i
5	E-type, all C_F, packet number 1	-	i
6	E-type, not all C_F or CL_F; packet number 0	-	i
7	Half slot required	-	i
8	E-type, not all C_F; C_F packet number 1	-	i
9	E-type, all MAC control (unnumbered)	-	i
10	No B-field	10.1	m

A.4.2.2 A-Field Messages

To express the profile requirements of EN 300 444 [2], the following tables indicate the change of status for support of A - field messages.

A.4.2.2.1 Paging tail messages supported

Table A.129: Profile modification for EN 300 476-6 [5] table A.59
Paging tail (P_T) messages (Sending F to P)

Item	Paging tail messages	Profile reference	Profile status R/B/P
1	Full page format	-	i
2	Long page format	-	i
3	Short page format	10.3.1	m
4	Zero length page format	10.3.2	c.a12901
c.a12901: IF A.130/2 THEN m ELSE o.			

A.4.2.2.2 P_T messages information type

Table A.130: Profile modification for EN 300 476-6 [5] table A.60
P_T messages information supported (Sending F to P)

Item	P_T messages information type	Profile reference	Profile status R/B/P
1	0000 - fill bits	10.3.3	i
2	0001 - blind full slot	10.3.3	c.a13001
3	0010 - other bearer	-	o
4	0011 - recommended other bearer	-	i
5	0100 - good RFP bearer	-	i
6	0101 - dummy or C/L bearer position	-	o
7	0110 - RFP identity	-	i
8	0111 - escape	-	i
9	1000 - dummy or C/L bearer marker	-	i
10	1001 - bearer handover information	-	m
11	1010 - RFP status	-	i
12	1011 - active carriers	-	i
13	1100 - C/L bearer position	-	i
14	1101 - recommended power level	-	i
15	1110 - blind double slot / RFP-FP interface resources	-	i
16	1111 - modulation types information	-	i
c.a13001: IF RFP has blind slots THEN m else o.			

A.4.2.2.3 Mac control messages supported

Table A.131: Profile modification for EN 300 476-6 [5] table A.61 MAC control (M_T) messages (Receipt P to F)

Item	MAC control (M_T) messages	Profile reference	Profile status R/B/P
1	Basic connection control	10.4	m
2	MAC layer test messages	-	i
3	Advanced connection control	-	i
4	Quality control	-	i
5	Broadcast and connectionless services	10.2	m
6	Encryption control	10.14	m
7	B-field setup, first PT transmission	-	i
8	MAC control escape	-	i
9	TARI	-	i
10	REP connection control	-	i

Table A.132: Profile modification for EN 300 476-6 [5] table A.62 MAC control (M_T) messages (Sending F to P)

Item	MAC control (M_T) messages	Profile reference	Profile status R/B/P
1	Basic connection control	10.4	m
2	MAC layer test messages	-	i
3	Advanced connection control	-	i
4	Quality control	-	i
5	Broadcast and connectionless services	10.2	m
6	Encryption control	10.14	m
7	B-field setup, first PT transmission	-	i
8	MAC control escape	-	i
9	TARI	-	i
10	REP connection control	-	i

A.4.2.2.4 Broadcast and connectionless (BCL) messages

Table A.133: Profile modification for EN 300 476-6 [5] table A.71 Broadcast and connectionless (BCL) messages (Receipt P to F)

Item	MAC control (M_T) messages Broadcast and connectionless services	Profile reference	Profile status R/B/P
7	C/L single transmissions, no C_F or CL_S	-	i
8	CL_S service, first transmissions	-	i
9	change dummy bearer position	-	i
10	extended system info., A-field procedure	-	i
11	extended system info., B-field procedure	-	i

Table A.134: Profile modification for EN 300 476-6 [5] table A.72 Broadcast and connectionless (BCL) messages (Sending F to P)

Item	MAC control (M_T) messages Broadcast and connectionless services	Profile reference	Profile status R/B/P
10	extended system info., A-field procedure	-	i
11	extended system info., B-field procedure	-	i

Table A.135: Profile modification for EN 300 476-6 [5] table A.73 Encryption control (EC) messages (Receipt P to F)

Item	MAC control (M_T) messages - Encryption control	Profile reference	Profile status
4	Encryption stop request	11.14	o
5	Encryption stop confirm	11.14	o
6	Encryption stop grant	11.14	o

Table A.136: Profile modification for EN 300 476-6 [5] table A.74 Encryption control (EC) messages (Sending F to P)

Item	MAC control (M_T) messages - Encryption control	Profile reference	Profile status
4	Encryption stop request	11.14	o
5	Encryption stop confirm	11.14	o
6	Encryption stop grant	11.14	o

A.5 Physical layer - FT: profile ICS

A.5.1 Physical layer procedures

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

Table A.137: Profile modification for EN 300 476-7 [6] table A.14 Physical channels supported

Item	Procedure name	Profile reference	Profile status R/B/P
2	Basic physical channel R32 management	10.1, 11.1	m
3	The low-rate physical channel R08j management	10.1, 11.1	i
4	The high capacity physical channel R80 management	10.1, 11.1	i

Table A.138: Profile modification for EN 300 476-7 [6] table A.15 Physical layer procedures

Item	Procedure name	Profile reference	Profile status R/B/P
2	Addition of Z-field	11.4	m
4	Receipt of Z-field	11.4	m
9	Sliding collision detection	11.5	m

Table A.139: Profile modification for EN 300 476-7 [6] table A.21 P32 packet supported F to P

It.	P32 packet Name of field	Profile Ref.	Profile status R/B/P
4	Z-field	11.2	m

Table A.140: Profile modification for EN 300 476-7 [6] table A.22 P32 packet supported P to F

It.	P32 packet Name of field	Profile Ref.	Profile status R/B/P
4	Z-field	11.2	m

Annex B (normative): GAP profile-specific ICS proforma for FT

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the profile-specific ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed profile-specific ICS.

B.1 Introduction for completing the profile-specific ICS proforma

B.1.1 Purposes and structure

The purpose of this profile-specific ICS proforma is to provide a mechanism whereby a supplier of an implementation of the portable termination specific requirements of EN 300 444 [2]: DECT: Generic Access Profile (GAP) may provide information about the implementation in a standardized manner.

The profile-specific ICS proforma is subdivided into clauses for the following categories of information:

- instructions for completing the ICS proforma;
- identification of the implementation;
- identification of the EN 300 444 [2]: DECT: Generic Access Profile (GAP);
- ICS proforma tables:
  - global statement of conformance;
  - functional groups and procedures;
  - timers and protocol parameters;
  - messages;
  - information elements;
  - negotiation capabilities;
  - protocol error handling;
  - multilayer dependencies.

The ICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [8].

Item column:

The item column contains a number which identifies the item in the table.

Item description column:

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".

Status column:

The following notations, defined in ISO/IEC 9646-7 [8], 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;
- 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.

Support column:

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [8], are used for the support column:

- Y or y supported by the implementation;
- N or n not supported by the implementation;
- N/A, n/a no answer required (allowed only if the status is n/a, directly or after evaluation of a conditional status).

In each context, the kind of "non-support" which is implemented at the receipt may be additionally indicated such as:

- Err the item is treated as a protocol error;
- lg the item is received and ignored (i.e. processed syntactically, but not semantically);
- rj the item is received and rejected.

NOTE: As stated in ISO/IEC 9646-7 [8], support for a PDU requires the ability to parse all valid parameters of that PDU. Supporting a PDU while having no ability to parse a valid parameter is non-conformant. Support for a parameter on a PDU means that the semantics of that parameter are supported.

Values allowed column:

The values allowed column contains the values or the ranges of values allowed.

Values supported column:

The values supported column shall be filled in by the supplier of the implementation. In this column, the values or the ranges of values supported by the implementation shall be indicated.

Prerequisite line:

A prerequisite line takes the form: Prerequisite: <predicate>.

A prerequisite line before a clause or table title indicates that the whole clause or the whole table is not required to be completed if the predicate is FALSE.

B.1.2 Instructions for completing the profile-specific ICS proforma

The supplier of the implementation shall complete the profile-specific ICS proforma in each of the spaces provided using the notation described in clause B.1.2. Specific instruction is provided in the text which precedes each table.

B.2 Identification of the implementation

B.2.1 Date of statement

Identification of the Implementation Under Test (IUT) and the system in which it resides (the System Under Test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

Table B.1: Date of statement

Date of statement		
Day	**Month**	**Year**

B.2.2 Implementation Under Test (IUT) identification

The supplier of the implementation shall enter information necessary to uniquely identify the IUT in table B.2.

Table B.2: IUT identification

IUT identification	
IUT name	
IUT version	

B.2.3 System Under Test (SUT) identification

The supplier of the implementation shall enter information necessary to uniquely identify the SUT in table B.3.

Table B.3: SUT identification

SUT identification	
SUT name	
Hardware configuration	
Operating system	

B.2.4 Product supplier

Table B.4: Product supplier

Product supplier	
Name	
Address	
Phone No.	
Fax No.	
E-mail address	
Additional information	

B.2.5 Client identification

The product supplier information and client information should both be filled in if they are different.

Table B.5: Client identification

Client	
Name	
Address	
Phone No.	
Fax No.	
E-mail address	
Additional information	

B.2.6 Contact person identification

A person who can answer queries regarding information supplied in the profile ICS should be named as the contact person.

Table B.6: Contact person identification

Contact person	
Name	
Address	
Phone No.	
Fax No.	
E-mail address	
Additional information	

B.3 Identification of the profile

The supplier of the implementation shall enter the date of the publication of the EN DECT-GAP Specification to which conformance is claimed, in table B.7.

Table B.7: Identification of profile

Identification of profile	
Title of specification	Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP)
Reference no.	EN 300 444 [2]
Date of Publication	

B.3.1 Defect report numbers and amendments implemented

The supplier of the implementation shall enter the reference number of implementation defect reports or corresponding amendment documents which modify the specification to EN 300 444 [2], in table B.8.

Table B.8: Defect report and amendments number

Modification of specification	
Defect report no.	**Amendment no.**

B.3.2 Addenda implemented

The supplier of the implementation shall enter the titles and the reference number of implemented addenda to EN 300 444 [2], in table B.9.

Table B.9: Addenda implemented

Addenda implemented	
Title	**Reference no.**

B.4 Global statement of conformance

An explicit answer shall be entered, in each of the support or supported column boxes provided, using the notation described in clause B.1.2.

Table B.10: Global statement of conformance

Global statement of conformance	
Are all mandatory capabilities implemented?	

NOTE: Answering "No" to this question indicates non-conformance to the <reference specification type> specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

B.5 Capabilities

B.5.1 NWK profile-specific ICS proforma for FT

B.5.1.1 General requirements

Table B.11: General requirements supported

Item	Requirement	Profile reference	Profile status R/B/P	Support
1	Transaction identifier assignment	6.9.2	m	
2	Length of NWK layer message	6.9.3	m	
3	Handling of error and exception conditions	6.9.4	m	
4	Codings of information elements	6.9.7	m	

B.5.1.2 Application features

The supplier of the implementation shall state the support of the implementation for all of the following application features.

Table B.12: Application features supported

Item	Name of feature	Profile reference	Profile status R/B	Profile status P	Support
1	AC_bitstring_mapping	6.6	c.b1201	m	
c.b1201: IF A.7/3 OR A.7/4 OR A.7/5 OR A.7/12 THEN m ELSE i.					

B.5.1.3 Application procedures

The supplier of the implementation shall state the support of the implementation for all of the following procedures.

Table B.13: Application procedures supported

Prerequisite: table B.12					
Item	**Name of procedure**	**Profile reference**	**Profile status R/B**	**Profile status P**	**Support**
1	AC_bitstring_mapping	14.2	c.b1301	m	
c.b1301: IF B.12/1 THEN m ELSE n/a.					

B.5.1.4 Management procedures

The supplier of the implementation shall state the support of the implementation for all of the following management procedures.

Table B.14: Management procedure support

Item	Name of procedure	Profile reference	Profile status R/B	Profile status P	Support
1	Location registration initiation	13.2	c.b1401	m	
2	Assigned individual TPUI management	13.3	c.b1401	m	
3	PMID management	13.4	m	m	
4	Broadcast attributes management	13.6	m	m	
5	Storage of subscription related data	13.7	m	m	
6	DCK management	13.5	c.b1402	m	
c.b1401: IF A.4/11 THEN m ELSE i. c.b1402: IF A.4/4 OR A.4/5 OR A.4/6 OR A.4/7 THEN m ELSE					

B.5.2 DLC profile-specific ICS proforma for FT

B.5.2.1 Services

No specific DLC services are defined.

B.5.3 MAC profile-specific ICS proforma for FT

B.5.3.1 Services

B.5.3.1.1 Extended frequency allocation service

The supplier of the implementation shall state the support of the implementation for all of the following requirements.

Table B.15: Extended frequency allocation supported

Item	Service	Profile reference	Profile status R/B/P	Support
1	Extended frequency allocation	5.2	o	

B.5.4 PHY Profile-specific ICS proforma for FT

B.5.4.1 Requirements

The supplier of the implementation shall state the support of the implementation for all of the following requirements.

Table B.16: GAP specific PHY requirements

Item	Requirement	Profile reference	Profile status R/B/P	Support	Allowed values	Supported values
1	Full slots shall be used	11.1, 12.1	m		n/a	
2	Minimum Normal Transmit Power (NTP)	11.2	m		> 80 mW per simultaneously active transmitter	
3	Radio receiver sensitivity	11.3	m		at least - 86 dBm	
4	Physical channel availability	11.6	m		n/a	

Annex C (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 300 175-6: "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".

History

Document history		
Edition 1	August 1996	Publication as ETS 300 474-2
V1.2.0	May 2003	One-step Approval Procedure OAP 20030905: 2003-05-07 to 2003-09-05
V1.2.1	September 2003	Publication