



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 474-2

August 1996

Source: ETSI TC-RES

Reference: DE/RES-03043-2

ICS: 33.020, 33.060.50

Key words: DECT, GAP, ICS, FT

**Radio Equipment and Systems (RES);
Digital Enhanced Cordless Telecommunications (DECT);
Generic Access Profile (GAP);
Profile requirement list and profile-specific
Implementation Conformance Statement (ICS) proforma;
Part 2: Fixed radio Termination (FT)**

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Foreword

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

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

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

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

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

Annex A contains the requirement lists for the FT GAP.

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

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

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1 Scope

This European Telecommunication Standard (ETS) 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 ETS 300 444 [2] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [8].

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

2 Normative references

This ETS incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 175-5: "Radio Equipment and Systems Digital Enhanced Cordless Telecommunications Common Interface Part 5: Network Layer".
- [2] ETS 300 444: "Radio Equipment and Systems (RES) Digital European Cordless Telecommunications (DECT): Generic Access Profile (GAP)".
- [3] ETS 300 476-4: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Network layer - Fixed Termination (FT)".
- [4] ETS 300 476-5: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Data Link Control layer - Fixed Termination (FT)".
- [5] ETS 300 476-6: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Medium Access Control layer - Fixed Termination (FT)".
- [6] ETS 300 476-7: "Radio Equipment and Systems; Digital Enhanced Cordless Telecommunications (DECT), Common Interface, Protocol Implementation Conformance Statement (PICS) proforma, Physical layer".
- [7] ISO/IEC 9646-1 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [8] ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

3 Definitions abbreviations

3.1 Definitions

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

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

3.2 Abbreviations

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

4 Conformance requirement concerning profile ICS

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

Annex A (normative): Requirement lists for DECT FT

A.1 General

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

A.1.1 Profile Requirement List (profile RL)

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

Profile status column

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

The standardized symbols for the status column are as follows:

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

Reference column

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

A.1.2 General conditions

Table A.1: General condition table

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

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

A.2.1 Major capabilities

A.2.1.1 Entities

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

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

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

A.2.1.2 CC features

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

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

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

A.2.1.3 MM features

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

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

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

A.2.1.4 SS features (services)

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

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

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

A.2.1.5 LCE features

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

Table A.6: ETS 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 ETS 300 444 [2], the following tables indicate the change of status for support of NWK layer procedures.

Table A.7: ETS 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	cp701	cp701
36	cc_service_call_setup	8.20	cp702	cp702
38	cc_service_call_keypad	8.21	cp703	cp703
39	cc_internal_call_keypad	8.19	cp704	cp704
40	pt_alerting	8.14	m	m
41	display	8.16	note A	note A

cp701: IF A.3/18 THEN m ELSE i;
cp702: IF A.3/18 THEN o ELSE i;
cp703: IF A.3/28 THEN m ELSE i;
cp704: IF A.3/28 THEN o ELSE i.

Table A.8: ETS 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	cp801	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
23	mm_timer_f_mm_ident_1_mgt	8.28.1.2	note A	note A
24	mm_timer_f_mm_access_2_mgt	8.31.1.1	note A	note A
25	mm_timer_f_mm_auth_1_mgt	8.32.1.2	note A	note A
26	mm_timer_f_mm_cipher_1_mgt	8.33.1.1	note A	note A
27	mm_timer_f_mm_key_1_mgt	8.32.2.1	note A	note A
28	mm_timer_f_mm_ident.2_mgt	8.28	note A	note A
29	mm_timer_f_mm_auth_2_mgt	8.25.1.1	note A	note A

cp801: IF A.4/11 THEN o ELSE i.

Table A.9: ETS 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: ETS 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

Table A.11: ETS 300 476-4 [3] Table A.24 LLME procedures supported

Item	LLME procedures	Profile reference	Profile status R/B	Profile status P
1	mgt_prioritised_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_priority_mgt	13.1	m	m
6	mgt_mm_cc_coexistence	6.9.6	m	m
7	mgt_mm_coms_coexistence	-	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 ETS 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: ETS 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: ETS 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	8.2	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	m
14	IWU-INFOrmation	-	i

Table A.14: ETS 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
5	IWU attributes	-	i
6	Repeat indicator "prioritised list"	-	i
7	Call attributes 1	-	i
8	Call attributes 2	-	i
9	Call attributes 3	-	i
10	Repeat indicator "non-prioritised list"	-	i
11	Connection attributes 1	-	i
12	Connection attributes 2	-	i
13	Connection attributes 3	-	i
14	Cipher info	-	i
15	Connection identity	-	i
16	Facility	-	i
19	Keypad	-	i
21	Feature Activate	-	i
23	Network parameter	-	i
24	Terminal capability	-	i
25	End-to-end compatibility	-	i
26	Rate parameters	-	i
27	Transit delay	-	i
28	Window size	-	i
29	Calling party number	-	i
30	Called party number	-	i
31	Called party subaddress	-	i
32	Sending complete	-	i
33	IWU-to-IWU	-	i
34	IWU-PACKET	-	i

Table A.15: ETS 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
5	IWU attributes	-	i
6	Repeat indicator "prioritised list"	-	i
7	Call attributes 1	-	i
8	Call attributes 2	-	i
9	Call attributes 3	-	i
10	Repeat indicator "prioritised list"	-	i
11	Connection attributes 1	-	i
12	Connection attributes 2	-	i
13	Connection attributes 3	-	i
14	Cipher info	-	i
15	Connection identity	-	i
16	Facility	-	i
17	Progress Indicator	-	i
18	Display	8.16	note A
20	Signal	8.14	note A
22	Feature Indicate	-	i
25	End-to-end compatibility	-	i
26	Rate parameters	-	i
27	Transit delay	-	i
28	Window size	-	i
29	Calling party number	-	i
30	Called party number	-	i
31	Called party subaddress	-	i
32	Sending complete	-	i
33	IWU-to-IWU	-	i
34	IWU-PACKET	-	i

Table A.16: ETS 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
12	Called party number	-	i
13	Called party subaddress	-	i
14	Sending complete	-	i
16	IWU-to-IWU	-	i
17	IWU-packet	-	i

Table A.17: ETS 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
12	Called party number	-	i
13	Called party subaddress	-	i
14	Sending complete	-	i
15	Test hook control	-	i
16	IWU-to-IWU	-	i
17	IWU-packet	-	i

Table A.18: ETS 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	Call attributes	-	i
7	Connection identity	-	i
8	Facility	-	i
9	Progress indicator	8.3.1	o
10	Display	8.16	note A
11	Signal	-	i
12	Feature indicate	-	i
13	Transit delay	-	i
14	Window size	-	i
15	Delimiter request	-	i

Table A.19: ETS 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	Call attributes	-	i
3	Connection identity	-	i
4	Facility	-	i
5	Progress indicator	8.4.1	o
6	Display	8.16	note A
7	Signal	-	i
8	Feature indicate	-	i
9	Transit delay	-	i
10	Window size	-	i
11	IWU-to-IWU	-	i
12	IWU-PACKET	-	i

Table A.20: ETS 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	Call attributes	-	i
3	Connection identity	-	i
9	Terminal capability	-	i
10	Transit delay	-	i
11	Window size	-	i
12	IWU-to-IWU	-	i
13	IWU-PACKET	-	i

Table A.21: ETS 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	Call attributes	-	i
3	Connection identity	-	i
4	Facility	-	i
5	Progress Indicator	8.5.1	o
6	Display	8.16	note A
7	Signal	-	i
8	Feature indicate	-	i
10	Transit delay	-	i
11	Window size	-	i
12	IWU-to-IWU	-	i
13	IWU-PACKET	-	i

Table A.22: ETS 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	Call attributes	-	i
3	Connection identity	-	i
4	Facility	-	i
9	Terminal capability	-	i
10	Transit delay	-	i
11	Window size	-	i
12	IWU-to-IWU	-	i
13	IWU-PACKET	-	i

Table A.23: ETS 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	Call attributes	-	i
3	Connection identity	-	i
4	Facility	-	i
5	Progress indicator	-	i
6	Display	8.16	note A
7	Signal	-	i
8	Feature indicate	-	i
10	Transit delay	-	i
11	Window size	-	i
12	IWU-to-IWU	-	i
13	IWU-PACKET	-	i

Table A.24: ETS 300 476-4 [3] Table A.37 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

Table A.25: ETS 300 476-4 [3] Table A.38 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	cp2501
6	IWU-to-IWU	-	i
7	IWU-PACKET	-	i

cp2501: IF A.7/21 THEN m ELSE i.

Table A.26: ETS 300 476-4 [3] Table A.39 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	cp2601
3	Facility	-	i
4	Display	8.16	note A
5	Feature indicate	-	i
6	IWU-to-IWU	-	i
7	IWU-PACKET	-	i

cp2601: IF A.7/21 THEN m ELSE i.

Table A.27: ETS 300 476-4 [3] Table A.40 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	cp2701
5	IWU attributes	-	i
10	IWU-to-IWU	-	i
11	IWU-PACKET	-	i

cp2701: IF A.7/21 THEN m ELSE i.

Table A.28: ETS 300 476-4 [3] Table A.41 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	cp2801
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

cp2801: IF A.7/21 THEN m ELSE i.

Table A.29: ETS 300 476-4 [3] Table A.48 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

A.2.2.2 Mobility management messages

Table A.30: ETS 300 476-4 [3] Table A.51 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: ETS 300 476-4 [3] Table A.52 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	AUTHENTICATE-REJECT	8.32.2.3, 8.23.2.1	note A
8	AUTHENTICATE-REPLY	8.23, 8.32	note A
9	AUTHENTICATE-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: ETS 300 476-4 [3] Table A.53 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-prioritised"	-	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	IWU-to-IWU	-	i	i

Table A.33: ETS 300 476-4 [3] Table A.54 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

Table A.34: ETS 300 476-4 [3] Table A.55 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	Terminal Capability	8.30	m
6	IWU-to-IWU	-	i

Table A.35: ETS 300 476-4 [3] Table A.58 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

Table A.36: ETS 300 476-4 [3] Table A.61 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-prioritised"	-	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

Table A.37: ETS 300 476-4 [3] Table A.62 AUTHENTICATE-REJECT receiving (P to F) supported

Item	AUTHENTICATE-REJECT receiving (P to F) Information element name	Profile reference	Profile status R/B/P
2	Repeat indicator "prioritised"	-	i
3	Auth-type 1	-	i
4	Auth-type 2	-	i
5	Auth-type 3	-	i
6	Reject reason	-	i

Table A.38: ETS 300 476-4 [3] Table A.63 AUTHENTICATE-REJECT sending (F to P) supported

Item	AUTHENTICATE-REJECT sending (F to P) Information element name	Profile reference	Profile status R/B/P
2	Repeat indicator "prioritised"	-	i
3	Auth-type 1	-	i
4	Auth-type 2	-	i
5	Auth-type 3	-	i
6	Reject reason	-	i

Table A.39: ETS 300 476-4 [3] Table A.64 AUTHENTICATE-REPLY receiving (P to F) supported

Item	AUTHENTICATE-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

Table A.40: ETS 300 476-4 [3] Table A.65 AUTHENTICATE-REPLY sending (F to P) supported

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

Table A.41: ETS 300 476-4 [3] Table A.66 AUTHENTICATE-REQUEST receiving (P to F) supported

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

Table A.42: ETS 300 476-4 [3] Table A.67 AUTHENTICATE-REQUEST sending (F to P) supported

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

Table A.43: ETS 300 476-4 [3] Table A.68 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 "prioritised"	-	i
3	Cipher info 1	-	i
4	Cipher info 2	-	i
5	Cipher info 3	-	i
6	Reject reason	-	i

Table A.44: ETS 300 476-4 [3] Table A.69 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 "prioritised"	-	i
3	Cipher info 1	-	i
4	Cipher info 2	-	i
5	Cipher info 3	-	i
6	Reject reason	-	i

Table A.45: ETS 300 476-4 [3] Table A.70 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

Table A.46: ETS 300 476-4 [3] Table A.71 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

Table A.47: ETS 300 476-4 [3] Table A.73 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-prioritised"	-	i
3	Portable identity 1	8.22	note A
4	Portable identity 2	-	i
5	Portable identity 3	-	i
6	Repeat Indicator "non-prioritised"	-	i
7	Fixed identity 1	8.22	note A
8	Fixed identity 2	-	i
9	Fixed identity 3	-	i
10	Repeat Indicator "non-prioritised"	-	i
11	NWK assigned identity 1	-	i
12	NWK assigned identity 2	-	i
13	NWK assigned identity 3	-	i
14	IWU-to-IWU	-	i

Table A.48: ETS 300 476-4 [3] Table A.81 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

Table A.49: ETS 300 476-4 [3] Table A.76 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	NWK assigned identity	-	i
5	Duration	-	i
6	IWU-to-IWU	-	i

Table A.50: ETS 300 476-4 [3] Table A.77 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

Table A.51: ETS 300 476-4 [3] Table A.78 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	IWU-to-IWU	-	i

Table A.52: ETS 300 476-4 [3] Table A.82 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	Fixed identity	-	i
4	Location area	-	i
5	NWK assigned identity	-	i
6	Network parameter	-	i
7	IWU-to-IWU	-	i

Table A.53: ETS 300 476-4 [3] Table A.85 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

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 ETS 300 175-5 [1] clause 10). These are described in subclause A.2.2.1 and are not listed below.

Table A.54: ETS 300 476-4 [3] Table A.86 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.55: ETS 300 476-4 [3] Table A.87 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.56: ETS 300 476-4 [3] Table A.126 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.57: ETS 300 476-4 [3] Table A.127 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.58: ETS 300 476-4 [3] Table A.128 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

Table A.59: ETS 300 476-4 [3] Table A.129 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
4	Fixed identity	-	i
5	Reject reason	-	i

A.2.3 Information elements

To express the profile requirements of ETS 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 subclause A.2.2.

A.2.3.1 Fixed length information element support

Table A.60: ETS 300 476-4 [3] Table A.136 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

Table A.61: ETS 300 476-4 [3] Table A.137 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.62: ETS 300 476-4 [3] Table A.138 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.63: ETS 300 476-4 [3] Table A.140 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.64: ETS 300 476-4 [3] Table A.142 Single display supported

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

Table A.65: ETS 300 476-4 [3] Table A.143 Single-keypad supported

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

Table A.66: ETS 300 476-4 [3] Table A.144 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.67: ETS 300 476-4 [3] Table A.145 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.68: ETS 300 476-4 [3] Table A.206 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.69: ETS 300 476-4 [3] Table A.208 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	-
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
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.70: ETS 300 476-4 [3] Table A.214 Cipher info supported

Item	Cipher info Name of field	Profile reference	Profile status R/B/P	Profile value allowed
2	Length of Contents (L)	8.33	m	0, 2
4	Cipher algorithm identifier	8.33	m	'00000001'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.71: ETS 300 476-4 [3] Table A.241 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	o7101
2	Fixed identity class B	8.22, 8.28, 8.30	o7101
3	Fixed identity class C	8.22, 8.28, 8.30	o7101
4	Fixed identity class D	-	i

o7101: It is mandatory to support at least one of these options.

Table A.72: ETS 300 476-4 [3] Table A.250 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.73: ETS 300 476-4 [3] Table A.255 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.74: ETS 300 476-4 [3] Table A.260 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.75: ETS 300 476-4 [3] Table A.264 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.76: ETS 300 476-4 [3] Table A.264 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.77: ETS 300 476-4 [3] Table A.265 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.78: ETS 300 476-4 [3] Table A.265 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.79: ETS 300 476-4 [3] Table A.265 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.80: ETS 300 476-4 [3] Table A.265 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.81: ETS 300 476-4 [3] Table A.265 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.82: ETS 300 476-4 [3] Table A.265 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.83: ETS 300 476-4 [3] Table A.265 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.84: ETS 300 476-4 [3] Table A.265 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.85: ETS 300 476-4 [3] Table A.272 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	o8501
4	IPUI-O	8.30	o8501
5	IPUI-T	8.30	o8501
6	IPUI-P	8.30	o8501
7	IPUI-Q	8.30	o8501
8	IPUI-U	8.30	o8501
9	IPUI-R	8.30	i
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

o85: It is mandatory to support at least one of these options.

Table A.86: ETS 300 476-4 [3] Table A.285 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.87: ETS 300 476-4 [3] Table A.297 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	Oct5_ext_bit	8.17, C.2.5	m	'1'B
27	Oct5_spare	8.17, C.2.5	m	'0000'B
28	Control Codes	8.17, C.2.5	m	'000'B .. '100'B
29	Oct5a_ext_bit	-	i	-
30	Escape to 8 bit character sets_1	-	i	-

A.2.3.3 Escape information elements support

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

A.2.4 Protocol error handling

To express the profile requirements of ETS 300 444 [2], the following tables indicate the change of status for support of NWK layer protocol error handling.

Table A.88: ETS 300 476-4 [3] Table A.313 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	8.9.4	m
3	eeh_unsupported_transaction_identity_error	8.9.4	m
4	eeh_unknown_active_cc_call	8.9.4	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	8.9.4	m
9	eeh_cc_message_error	8.9.4	m
10	eeh_ciss_message_error	-	i
11	eeh_coms_message_error	-	i
12	eeh_clms_message_error	-	i
13	eeh_mm_message_error	8.9.4	m
16	eeh_mandatory_info_element_missing_in_cc_message	8.9.4	m
17	eeh_mandatory_info_element_content_error_in_cc_message	8.9.4	m
18	eeh_mandatory_info_element_missing_in_coms_message	-	i
19	eeh_mandatory_info_element_missing_in_clms_message	-	i
20	eeh_mandatory_info_element_error_in_mm_message	8.9.4	m
23	eeh_data_link_reset	-	i
24	eeh_data_link_failure	-	i

A.3 Data link control layer - FT: profile ICS

A.3.1 Capabilities

A.3.1.1 Services

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

Table A.89: ETS 300 444 [2] Table A.9 Data link services

Item	Data link services	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of C-plane services.

Table A.90: ETS 300 444 [2] Table A.10 C-plane services

Item	C-plane services	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of U-plane services.

Table A.91: ETS 300 444 [2] Table A.11 U-plane services

Item	U-plane services	Prof. Ref.	Prof. 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	-	i
9	LU16 - Escape for non-standard family (ESC)	-	i

A.3.1.1.3 Management services

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

Table A.92: ETS 300 444 [2] Table A.12 Management services

Item	Management services	Prof. Ref.	Prof. Status R/B	Prof. Status P
4	Connection handover management (Intracell/intercell voluntary)	5.1	Intra-cell: c9201	Intra-cell: c9201
		5.1	Inter-cell: o	Inter-cell: o
5	Connection ciphering management (Encryption activation/deactivation)	5.1	Encryption activation: c9202	Encryption activation: m
		5.1	Encryption deactivation: c9203	Encryption deactivation: c9203

c9201: IF A.118/2 THEN o ELSE m;
c9202: IF A.4/4 OR A.4/6 THEN m ELSE i;
c9203: 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 ETS 300 444 [2], the following table indicates the change of status for support of Generic signalling procedures.

Table A.93: ETS 300 444 [2] Table A.13 Generic signalling procedures

Item	Generic signalling procedures	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of Class A procedures.

Table A.94: ETS 300 444 [2] Table A.15 Class A procedures

Item	Class A procedures	Prof. Ref.	Prof. 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	c9401

c9401: IF A.92/4 THEN m ELSE i.

A.3.1.2.3 Broadcast procedures

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

Table A.95: ETS 300 444 [2] Table A.17 Broadcast procedures

Item	Broadcast procedures	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of LU1 procedures.

Table A.96: ETS 300 444 [2] Table A.18 LU1 procedures

Item	LU1 procedures	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of Management procedures.

Table A.97: ETS 300 444 [2] Table A.30 Management procedures

Item	Management procedures	Prof. Ref.	Prof. Status R/B	Prof. 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	c9701	c9701
5	Connection ciphering management	9.8	c9702	c9703

c9701: Intra cell: IF A.118/2 THEN o ELSE m - Inter-cell: o;
c9702: Activation IF 4/4 THEN m ELSE i - Deactivation: IF A.4/6 THEN m ELSE i;
c9703: Activation m - Deactivation: IF 4/6 THEN m ELSE i.

Table A.98: ETS 300 444 [2] Table A.31 MAC connection management procedures

Item	MAC connection management procedures	Prof. Ref.	Prof. Status R/B/P
5	Selection of logical channels (only C _S) (C _S channel fragmentation and recommendation)	9.5	m

Table A.99: ETS 300 444 [2] Table A.34 Connection ciphering management procedures

Item	Connection ciphering management procedures	Prof. Ref.	Prof. 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	c9901

c9901: IF A.97/4 THEN m ELSE n/a

A.3.1.3 Parameters

A.3.1.3.1 LU1 parameters

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

Table A.100: ETS 300 444 [2] Table A.40 LU1 Connection types

Item	Connection types	Prof. Ref.	Prof. Status R/B/P
1	In / min delay - Half slot (10 octets)	-	i
2	In / normal delay - Half slot (10 octets)	-	i
3	In / min delay - Full slot (40 octets)	9.10	m
4	In / normal delay - Full slot (40 octets)	-	i
5	In / min delay - Double slot (100 octets)	-	i
6	In / 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 ETS 300 444 [2], the following table indicates the change of status for support of Broadcast service frame structure (Receipt F to P).

Table A.101: ETS 300 444 [2] Table A.54 Broadcast service frame structure (Sending F to P)

Item	Frame elements	Prof. Ref.	Prof. 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 layer - FT: profile ICS

A.4.1 Major Capabilities

A.4.1.1 Services

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

Table A.102: ETS 300 444 [2] Table A.9 Service groups supported

Item	Name of service	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of connection oriented services.

Table A.103: ETS 300 444 [2] Table A.10 Connection oriented control services

Item	Connection oriented control services	Prof. Ref.	Prof. Status R/B/P
1	Basic connections	5.2	m
2	Advanced symmetric connections	-	i
3	Advanced asymmetric connections	-	i

Table A.104: ETS 300 444 [2] Table A.11 Connection services

Item	Connection services	Prof. Ref.	Prof. 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.105: ETS 300 444 [2] Table A.12 Symmetric connection oriented services

Item	Symmetric connection oriented services	Prof. Ref.	Prof. Status R/B/P
1	Type 1 IN_minimum_delay (General)	5.2, 10.1	m
2	Type 2 IN_normal_delay	-	i
3	Type 3 IP_error_detection	-	i
4	Type 4 IP_error_correction	-	i

Table A.106: ETS 300 444 [2] Table A.14 C-plane connection services

Item	C-plane connection services	Prof. Ref.	Prof. Status
1	Only C _S channel supported (Cs 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 ETS 300 444 [2], the following table indicates the change of status for support of Broadcast services.

Table A.107: ETS 300 444 [2] Table A.15 Broadcast control services

Item	Broadcast services	Prof. Ref.	Prof. Status
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 ETS 300 444 [2], the following table indicates the change of status for support of Multiplexing services.

Table A.108: ETS 300 444 [2] Table A.19 CSF multiplexing services

Item	CSF multiplexing services	Prof. Ref.	Prof. 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	c10801	m
8	Encryption deactivation	5.2	c10802	c10802
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

c10801: IF A.4/4 THEN m ELSE i;

c10802: IF A.4/6 THEN m ELSE i.

Table A.109: ETS 300 444 [2] Table A.20 D-MAP services

Item	D-MAP	Prof. Ref.	Prof. 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

Table A.110: ETS 300 444 [2] Table A.21 B-MAP services

Item	B-MAP	Prof. Ref.	Prof. 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.111: ETS 300 444 [2] Table A.22 E/U mux services

Item	E/U MUX	Prof. Ref.	Prof. 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.112: ETS 300 444 [2] Table A.23 C mux mapping services

Item	Time multiplexers - C mux	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of Management services.

Table A.113: ETS 300 444 [2] Table A.24 Management services

Item	Management services	Prof. Ref.	Prof. Status R/B/P
5	In-connection quality control (Quality control)	5.2	note A
9	SARI support	5.2	o

Table A.114: ETS 300 444 [2] Table A.25 Handover services management

Item	Handover services	Prof. Ref.	Prof. Status R/B/P
1	Connection handover	5.2	intra-cell: o.11401
	(intra/inter cell)	5.2	inter-cell: o
2	Bearer handover	5.2	intra-cell: o.11401
	(intra/inter cell)	5.2	inter-cell: o

o.11401: 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 ETS 300 444 [2], the following table indicates the change of status for support of Connection setup procedures.

Table A.115: ETS 300 444 [2] Table A.26 C/O single bearer setup procedures

Item	Name of procedure	Prof. Ref.	Prof. 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.116: ETS 300 444 [2] Table A.29 C/O bearer setup procedures

Item	Name of procedure	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of C/O data transfer procedures.

Table A.117: ETS 300 444 [2] Table A.31 C/O data transfer procedures

Item	Name of procedure	Prof. Ref.	Prof. Status R/B/P
2	Cs - 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 ETS 300 444 [2], the following table indicates the change of status for support of connection handover procedures.

Table A.118: ETS 300 444 [2] Table A.32 C/O connection handover procedures

Item	Name of procedure	Prof. Ref.	Prof. Status R/B/P
1	Connection handover (request)	10.7	c11801
2	Duplex bearer handover (request)	10.6	c11802
3	Double simplex bearer handover	-	i

c11801: IF A.114/1 THEN m ELSE i;
c11802: IF A.114/2 THEN m ELSE i.

A.4.1.2.4 Connection release procedures

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

Table A.119: ETS 300 444 [2] Table A.33 C/O connection release procedures

Item	Name of procedure	Prof. Ref.	Prof. Status R/B/P
1	Unacknowledge bearer release	10.5	m

A.4.1.2.5 Broadcast procedures

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

Table A.120: ETS 300 444 [2] Table A.34 Broadcast procedures

Item	Name of procedure	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of CSF multiplexing procedures.

Table A.121: ETS 300 444 [2] Table A.37 CSF multiplexing procedures

Item	CSF multiplexing procedures	Prof. Ref.	Prof. Status R/B	Prof. Status P
1	Encryption	10.13	Encryption process - initialisation and synchronisation: c12101	Encryption process - initialisation and synchronisation: m
		10.14	Encryption mode control: c12102	Encryption mode control: m
		10.15	Handover encryption process: c12101	Handover encryption process: 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

c12101: IF A.108/7 THEN m ELSE i;
c12101: IF A.108/7 OR A.108/8 THEN m ELSE I.

A.4.1.2.7 Layer management procedures

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

Table A.122: ETS 300 444 [2] Table A.38 Layer management procedures

Item	Name of procedure	Prof. Ref.	Prof. Status R/B/P
7	RFP idle receiver scan sequence (General)	10.1	m

A.4.1.3 Other capabilities

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

Table A.123: ETS 300 444 [2] Table A.39 Extended RF carriers supported

Item	Extended RF Carriers	Prof. Ref.	Prof. Status R/B/P
1	Extended RF carriers (Extended frequency allocation)	10.16	o

A.4.2 Messages

To express the profile requirements of ETS 300 444 [2], the following table indicates 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.124: ETS 300 444 [2] Table A.51 B-field identification (Receipt P to F)

Item	B-field identification	Prof. Ref.	Prof. Status R/B/P
1	U-type, IN, SIN or IP packet number 0	10.1	m
2	U-type, IP error detect or IP packet number 1	-	i
3	E-type, all CF or CLF, packet number 0	-	i
4	E-type, all CF, packet number 1	-	i
5	E-type, not all CF or CLF; packet number 0	-	i
6	E-type, not all CF; CF packet number 1	-	i
7	E-type, all MAC control (unnumbered)	-	i
8	No B-field	10.1	i

Table A.125: ETS 300 444 [2] Table A.52 B-field identification (Sending F to P)

Item	B-field identification	Prof. Ref.	Prof. Status R/B/P
1	U-type, IN, SIN or IP packet number 0	10.1	m
2	U-type, IP error detect or IP packet number 1	-	i
3	E-type, all CF or CLF, packet number 0	-	i
4	E-type, all CF, packet number 1	-	i
5	E-type, not all CF or CLF; packet number 0	-	i
6	E-type, not all CF; CF packet number 1	-	i
7	E-type, all MAC control (unnumbered)	-	i
8	No B-field	10.1	m

A.4.2.2 A - Field Messages

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

A.4.2.2.1 Paging tail messages supported

Table A.126: ETS 300 444 [2] Table A.58 Paging tail (P_T) messages (Sending F to P)

Item	Paging tail messages	Prof. Ref.	Prof. 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	c12601

c12601: IF A.127/2 THEN m ELSE o.

A.4.2.2 P_T messages information type

Table A.127: ETS 300 444 [2] Table A.59 P_T messages information supported (Sending F to P)

Item	P _T messages information type	Prof. Ref.	Prof. Status R/B/P
1	0000 - fill bits	10.3.3	i
2	0001 - blind full slot	10.3.3	c12701
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

c12701: IF RFP has blind slots THEN m else o.

A.4.2.2.3 Mac control messages supported

Table A.128: ETS 300 444 [2] Table A.60 MAC control (M_T) messages (Receipt P to F)

Item	MAC control (M _T) messages	Prof. Ref.	Prof. 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

Table A.129: ETS 300 444 [2] Table A.61 MAC control (M_T) messages (Sending F to P)

Item	MAC control (M _T) messages	Prof. Ref.	Prof. 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

A.4.2.2.4 Broadcast and connectionless (BCL) messages

Table A.130: ETS 300 444 [2] Table A.70 Broadcast and connectionless (BCL) messages (Receipt P to F)

Item	MAC control (M _T) messages - Broadcast and connectionless services	Prof. Ref.	Prof. Status R/B/P
7	C/L single transmissions, no CF or CLS	-	i
8	CLS 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.131: ETS 300 444 [2] Table A.71 Broadcast and connectionless (BCL) messages (Sending F to P)

Item	MAC control (M _T) messages - Broadcast and connectionless services	Prof. Ref.	Prof. Status R/B/P
10	extended system info., A-field procedure	-	i
11	extended system info., B-field procedure	-	i

Table A.132: ETS 300 444 [2] Table A.72 Encryption control (EC) messages (Receipt P to F)

Item	MAC control (M _T) messages - Encryption control	Prof. Ref.	Prof. Status
4	Encryption stop request	11.14	o
5	Encryption stop confirm	11.14	o
6	Encryption stop grant	11.14	o

Table A.133: ETS 300 444 [2] Table A.73 Encryption control (EC) messages (Sending F to P)

Item	MAC control (M _T) messages - Encryption control	Prof. Ref.	Prof. 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 ETS 300 444 [2], the following table indicates the change of status for support of procedures.

Table A.134: ETS 300 444 [2] 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	Basic physical channel R32 management	10.1, 11.1	m
10	The low-rate physical channel R08j management	10.1, 11.1	i
11	The high capacity physical channel R80 management	10.1, 11.1	i
12	Sliding collision detection	11.5	m

Table A.135: ETS 300 444 [2] Table A.21 P32 packet supported F to P

It.	P32 packet Name of field	Profile Ref.	Profile Status
4	Z-field	11.2	m

Table A.136: ETS 300 444 [2] Table A.22 P32 packet supported P to F

It.	P32 packet Name of field	Profile Ref.	Profile Status
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 ETS (see front page), ETSI grants users of this ETS to freely reproduce the ICS Proforma in this annex so that it can be used for its intended purposes and may further publish the completed 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 ETS 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 subclauses for the following categories of information:

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

Reference column

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

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 or;	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.1.3 Instructions for completing the profile-specific ICS

The supplier of the implementation shall complete the profile-specific ICS proforma in each of the spaces provided using the notation described in subclause 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 the table below.

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 the table below.

Table B.3: SUT identification

SUT identification	
SUT name	International Portable Equipment Identity (IPEI):
Hardware configuration	

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 ETS DECT-GAP Specification to which conformance is claimed, in the table below.

Table B.7: Identification of profile

Identification of profile	
Title of specification	Radio Equipment and Systems Digital European Cordless Telecommunications Generic Access Profile
Reference no.	ETS 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 ETS 300 444 [2], in the table below.

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 ETS 300 444 [2], in the table below.

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 subclause 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, in the table below.

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	cp1201	m	

cp1201: IF [3] A.18/3 OR [3] A.18/4 OR [3] A.18/5 OR [13] A.18/12 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, in the table below.

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	cp1301	m	

cp1301: 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, in the table below.

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	c1401	m	
2	Assigned individual TPUI management	13.3	c1401	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	c1402	m	

c1401: IF A.4/11 THEN m ELSE i;

c1402: IF A.4/4 OR A.4/5 OR A.4/6 OR A.4/7 THEN m ELSE i.

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, in the table below.

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 PH 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, in the table below.

Table B.16: GAP specific PH requirements

Item	Requirement	Profile reference	Profile status R/B/P	Sp.	Allowed values	Sp. 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	

History

Document history			
June 1995	Public Enquiry	PE 85:	1995-06-05 to 1995-09-29
May 1996	Vote	V 102:	1996-05-06 to 1996-08-09
August 1996	First Edition		