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**Digital Enhanced Cordless Telecommunications (DECT);  
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Profile Implementation Conformance Statement (ICS);  
Part 2: Fixed radio Termination (FT)**

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## Foreword

This European Telecommunication Standard (ETS) has been produced by the Digital Enhanced Cordless Telecommunications (DECT) Project of the European Telecommunications Standards Institute (ETSI).

This ETS comprises two parts:

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

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

Annex A of this ETS contains the System Conformance Statement (SCS) proforma for the DECT FT ISDN Access Profile (IAP).

Annex B of this ETS contains the requirement lists for the DECT FT IAP.

Annex C of this ETS contains the specific ICS proforma for the DECT FT IAP.

<b>Transposition dates</b>	
Date of adoption:	6 June 1997
Date of latest announcement of this ETS (doa):	30 September 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 March 1998
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## 1 Scope

This European Telecommunication Standard (ETS) provides the Profile Implementation Conformance Statement (Profile ICS) proforma for the Digital Enhanced Cordless Telecommunications DECT/ISDN interworking for end system configuration Profile at the Fixed Termination as defined in ETS 300 434-1 [10], and ETS 300 434-2 [11] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [18].

The supplier of an implementation which is claimed to conform to ETS 300 434-1 [10] and ETS 300 434-2 [11] is required to complete a copy of the PICS proforma ETS 300 476 parts 4, 5, 6 and 7 [12], [13], [14] and [15], with the replacements provided by the requirement lists given in annex B of this ETS, as well as a copy of the specific ICS proforma provided in the annex C of this ETS.

## 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 300 175-1: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] ETS 300 175-2: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical layer (PHL)".
- [3] ETS 300 175-3: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] ETS 300 175-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
- [5] ETS 300 175-5: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".
- [6] ETS 300 175-6: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing".
- [7] ETS 300 175-7: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features".
- [8] ETS 300 175-8: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech coding and transmission".
- [9] ETS 300 175-9: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 9: Public Access Profile (PAP)".
- [10] ETS 300 434-1: "Digital Enhanced Cordless Telecommunications (DECT) and Integrated Services Digital Network (ISDN) interworking for end system configuration; Part 1: Interworking specification".
- [11] ETS 300 434-2: "Digital Enhanced Cordless Telecommunications (DECT) and Integrated Services Digital Network (ISDN) interworking for end system configuration; Part 2: Access profile".
- [12] ETS 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)".

- [13] ETS 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)".
- [14] ETS 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)".
- [15] ETS 300 476-7: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 7: Physical layer".
- [16] ISO/IEC 9646-1 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts". (See also CCITT Recommendation X.290 (1991)).
- [17] ISO/IEC 9646-6 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test specification".
- [18] ISO/IEC 9646-7 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation conformance statement".
- [19] ETS 300 406: "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [20] ETS 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".
- [21] ETS 300 403-3: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 3: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [22] ETS 300 402-2: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Data link layer; Part 2: General protocol specification [ITU-T Recommendation Q.921 (1993), modified]".
- [23] ETS 300 402-4: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Data link layer; Part 4: Protocol Implementation Conformance Statement (PICS) proforma specification for the general protocol".
- [24] ETS 300 011 (1992): "Integrated Services Digital Network (ISDN); Primary rate user-network interface; Layer 1 specification and test principles".
- [25] ETS 300 011/A2: "Amendment 2 to ETS 300 011 (1992), adding a SCS, a PICS and a PIXIT for interface points I<sub>a</sub> and I<sub>b</sub>".
- [26] ETS 300 012 (1992): "Integrated Services Digital Network (ISDN); Basic user-network interface; Layer 1 specification and test principles".
- [27] ETS 300 012/A2: "Amendment 2 to ETS 300 012 (1992), adding a SCS, a PICS and a PIXIT for interface points I<sub>a</sub> and I<sub>b</sub>".

- [28] ETS 300 196-1: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [29] ETS 300 196-2: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

### **3 Definitions and 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 [18];
- b) the definitions in ETS 300 434-1 [10] and ETS 300 434-2 [11]; and
- c) the following terms defined in ISO/IEC 9646-1 [16]:
  - 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 [16], the abbreviations defined in ETS 300 434-1 [10] and ETS 300 434-2 [11] apply.

### **4 Conformance requirement concerning Profile ICS**

The supplier of a protocol implementation which is claimed to conform to the Fixed Termination specific requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] shall:

- verify that his protocol implementation meets the Profile Requirements Lists (Profile RLs) for each DECT protocol layer, contained in annex B of this ETS;
- complete a copy of the Profile specific ICS proforma provided in annex C;
- complete a copy of the System Conformance Statement (SCS) proforma provided in annex A; and
- provide the information necessary to identify both the supplier and the implementation.

Tables 1 and 2 provide guidance to indicate how to fulfil the PICS proforma required for the profile.

Table 1: DECT PICS proforma table

PICS	Tables	Change
ETS 300 476-4 [12]	A.12	Status column updated by RL subclause B.2.1.1
	A.13 to A.16	Status column updated by RL subclause B.2.1.2
	A.18 to A.20	Status column updated by RL subclause B.2.1.3
	A.23 to A.24	Status column updated by RL subclause B.2.1.3
	A.25 to A.26	Status column updated by RL subclause B.2.1.4.1
	A.51 to A.55	Status column updated by RL subclause B.2.1.4.2
	A.58	Status column updated by RL subclause B.2.1.4.2
	A.61 to A.71	Status column updated by RL subclause B.2.1.4.2
	A.73 to A.74	Status column updated by RL subclause B.2.1.4.2
	A.76 to A.78	Status column updated by RL subclause B.2.1.4.2
	A.82	Status column updated by RL subclause B.2.1.4.2
	A.85	Status column updated by RL subclause B.2.1.4.2
	A.86 to A.87	Status column updated by RL subclause B.2.1.4.3
	A.126 to A.129	Status column updated by RL subclause B.2.1.4.4
	A.27 to A.41	Tables replaced by annex D subclause D.2
	A.88 to A.89	Tables replaced by annex D subclause D.2
	A.95	Tables replaced by annex D subclause D.2
	A.101 to A.105	Tables replaced by annex D subclause D.2
	A.209	Tables replaced by annex D subclause D.3
	A.258	Tables replaced by annex D subclause D.3
	A.285	Tables replaced by annex D subclause D.3
A.314	Tables replaced by annex D subclause D.4	
All other tables	Unchanged	
ETS 300 476-5 [13]	A.9 to A.12	Status column updated by RL subclause B.2.2.1
	A.13 to A.14	Status column updated by RL subclause B.2.2.2
	A.16 to A.17	Status column updated by RL subclause B.2.2.2
	A.28 to A.29	Status column updated by RL subclause B.2.2.2
	A.32	Status column updated by RL subclause B.2.2.2
	A.38	Status column updated by RL subclause B.2.2.3
	A.54	Status column updated by RL subclause B.2.2.4
	All other tables	Unchanged
ETS 300 476-6 [14]	A.9 to A.12	Status column updated by RL subclause B.2.3.1
	A.14 to A.15	Status column updated by RL subclause B.2.3.1
	A.19 to A.25	Status column updated by RL subclause B.2.3.1
	A.26 to A.28	Status column updated by RL subclause B.2.3.2
	A.30 to A.33	Status column updated by RL subclause B.2.3.2
	A.36 to A.37	Status column updated by RL subclause B.2.3.2
	A.38 to A.39	Status column updated by RL subclause B.2.3.3
	A.50 to A.51	Status column updated by RL subclause B.2.3.4
	A.57 to A.60	Status column updated by RL subclause B.2.3.4
	A.69 to A.70	Status column updated by RL subclause B.2.3.4
	A.88	Status column updated by RL subclause B.2.3.5
All other tables	Unchanged	
ETS 300 476-7 [15]	A.15	Status column updated by RL subclause B.2.4
	All other tables	Unchanged

Table 2: ISDN PICS proforma table

<b>PICS</b>	<b>Tables</b>	<b>Change</b>
ETS 300 403-3 [21]	All tables	Unchanged
ETS 300 402-4 [23]	All tables	Unchanged
ETS 300 011/A2 [25]	All tables	Unchanged
ETS 300 012/A2 [27]	All tables	Unchanged
ETS 300 196-2 [29]	All tables	Unchanged

**Annex A (normative): System Conformance Statement (SCS) proforma for DECT FT IAP**

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

**A.1 Identification**

**A.1.1 Description of the system**

**Table A.1: Description of the system**

Product name:	
Hardware version number:	
Software version number:	
CPU Type:	
Bus-System:	
Operating System Name:	
Operating System version number:	
Additional:	

**A.1.2 Supplier of the system**

**Table A.2: Supplier of the system**

Company:	
Street:	
Postal Code / City:	
Country:	

**A.1.3 Client identification**

If different from the supplier.

**Table A.3: Client identification**

Company:	
Street:	
Postal Code / City:	
Country:	

**A.1.4 Contact person identification**

**Table A.4: Contact person identification**

Name:	
Telephone:	
Fax:	
Telex:	
E-Mail:	

**A.1.5 Signature of the client or of the supplier**

**Table A.5: Signature of the client or of the supplier**

Name:	
Position:	
Signature:	
Date:	

## A.2 Protocol identification

This table identifies the protocols that have to be supported. The PCTR Reference column may be used to refer to any PCTR that have been obtained for these protocols in this system.

**Table A.6: Protocol identification**

Item	Protocol name	Specification Reference	PICS Reference	PCTR Reference
Pr1	ISDN L3 layer	ETS 300 403-1 [20]	ETS 300 403-3 [21]	
Pr2	ISDN L2 layer	ETS 300 402-2 [22]	ETS 300 402-4 [23]	
Pr3	ISDN L1 layer	ETS 300 011 [24] ETS 300 012 [26]	ETS 300 011/A2 [25] ETS 300 012/A2 [27]	
Pr4	ISDN Generic Functional	ETS 300 196 [28]	ETS 300 196-2 [29]	
Pr5	DECT NWK layer	ETS 300 175-5 [5]	ETS 300 476-4 [12]	
Pr6	DECT DLC layer	ETS 300 175-4 [4]	ETS 300 476-5 [13]	
Pr7	DECT MAC layer	ETS 300 175-3 [3]	ETS 300 476-6 [14]	
Pr8	DECT PH layer	ETS 300 175-2 [2]	ETS 300 476-7 [15]	

## A.3 Profile identification

This table identifies the profiles that have to be supported. The SCTR Reference column may be used to refer to any SCTR that have been obtained for these profiles in this system.

**Table A.7: Profile identification**

Item	Profile identifier	Specification Reference	Profile specific ICS Reference	SCTR Reference
Po1	Generic Access Profile (GAP)	ETS 300 444	ETS 300 474	
Po2	ISDN Access Profile (IAP)	ETS 300 434	ETS 300 705	

## A.4 Combination description table

This clause identifies which combinations of protocols are allowed cause of supporting these profiles, and which combinations not covered by the profile are also supported.

**Table A.8: Combination table**

Item	Profile	Protocol
c1	Po1	Pr5, Pr6, Pr7, Pr8
c2	Po2	Po1, Pr1, Pr2, Pr3, Pr4

## A.5 Configurability table

This clause identifies what kind of configuration or reconfiguration is needed in order to use each of the identified combinations.


**Table A.9: Configurability table**

Combination	Available always?	Available by dynamic reconfiguration?	Available by static reconfiguration?
c1			
c2			



## A.6 Additional information

Any additional information which is relevant for the product may be given here (e.g. information that is needed for further certification: quality system used, available certificates, etc.).

A large, empty rectangular box with a thin black border, intended for providing additional information as described in the text above. The box is currently blank.

## Annex B (normative): Requirement lists for DECT FT IAP

### B.1 General

The supplier of a protocol implementation which is claimed to conform to the Fixed radio Termination (FT) specific requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] shall verify that his particular (NWK, DLC, MAC and PHL) 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 [12], [13], [14], and [15] updated with the requirements from this annex.

#### B.1.1 Profile Requirement List (Profile RL)

The profile requirement list (profile RL) for the NWK, DLC, MAC and PHL layers as defined in this annex is based on ETS 300 476 Parts 4, 5, 6 and 7 [12], [13], [14] and [15]. For every capability listed in ETS 300 476 Parts 4, 5, 6 and 7 [12], [13], [14] and [15], the profile requirements are expressed by restriction upon allowed support answers in ETS 300 476 Parts 4, 5, 6 and 7 [12], [13], [14] and [15]. The Profile RL is produced by copying selected tables from ETS 300 476 Parts 4, 5, 6 and 7 [12], [13], [14] and [15], 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 the relevant reference standard.

#### Profile status column

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 300 434-1 [10] or ETS 300 434-2 [11] stated by using the reference standard preceding the number of the subclause, except where explicitly stated otherwise.

## B.1.2 General conditions

**Table B.1: General condition table**

Condition identifier	Condition definition
note 1	The status of the relevant item is exactly as the status of this item in ETS 300 476 Parts 4, 5, 6 and 7 [12], [13], [14] and [15]. The item has been included as the Profile reference column include reference to the profile that describes the item more in details.

## B.2 Requirement lists on DECT protocols

### B.2.1 Requirement list on DECT NWK layer

#### B.2.1.1 Network entities

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11], the following table indicates the change of status for support of entities.

**Table B.2: ETS 300 476-4 [12], Table A.12 Entity**

Item	Entity name	Profile Reference	Profile Status
1	Call control (CC)	ETS 300 434-1 [10], subclause 5.2.4.1	m
2	Call Independent Supplementary Services (CISS)	ETS 300 434-1 [10], subclause 5.2.4.1	o
6	Link control entity (LCE)	ETS 300 434-2 [11], subclause 5.2	m

#### B.2.1.2 Network features

##### B.2.1.2.1 CC features

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11], the following table indicates the change of status for support of features.

Table B.3: ETS 300 476-4 [12], Table A.13 CC features

Item	Feature name	Profile Reference	Profile Status
3	Control of supervisory tones	ETS 300 434-2 [11], subclause 4.1.9	o
5	Dialled digits (basic)	ETS 300 434-2 [11], subclause 4.1.5	m
6	Dialled digits additional	ETS 300 434-2 [11], subclause 4.1.6	o
7	Dialling delimiter	ETS 300 434-2 [11], subclause 4.1.7	o
17	Incoming call	ETS 300 434-2 [11], subclause 4.1.8	m
19	Off hook	ETS 300 434-2 [11], subclause 4.1.3	m
20	On hook (full release)	ETS 300 434-2 [11], subclause 4.1.4	m
21	Outgoing call	ETS 300 434-2 [11], subclause 4.1.1	m
26	Signalling of display characters	ETS 300 434-2 [11], subclause 4.1.10	o
27	Selection of bearer service	ETS 300 434-2 [11], subclause 4.1.12	m

#### B.2.1.2.2 SS features (services)

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11], the following table indicates the change of status for support of supplementary services.

Table B.4: ETS 300 476-4 [12], Table A.15 SS features (services)

Item	Feature name	Profile Reference	Profile Status
1	Advice of Charge (AOC)	ETS 300 434-2 [11], subclause 4.1.27	o
3	Call Deflection (CD)	ETS 300 434-2 [11], subclause 4.1.31	o
4	Call Forwarding Busy (CFB)	ETS 300 434-2 [11], subclause 4.1.39	o
5	Call Forwarding No Reply (CFNR)	ETS 300 434-2 [11], subclause 4.1.39	o
6	Call Forwarding Unconditional (CFU)	ETS 300 434-2 [11], subclause 4.1.39	o
7	Call Waiting (CW)	ETS 300 434-2 [11], subclause 4.1.24	o
8	Calling Line Identification Presentation (CLIP)	ETS 300 434-2 [11], subclause 4.1.17	o
9	Calling Line Identification Restriction (CLIR)	ETS 300 434-2 [11], subclause 4.1.18	o
10	Closed User Group (CUG)	ETS 300 434-2 [11], subclause 4.1.26	o
11	Completion of Calls to Busy Subscriber (CCBS)	ETS 300 434-2 [11], subclause 4.1.36	o
12	Call Hold(CH)	ETS 300 434-2 [11], subclause 4.1.25	o
13	Conference call, add-on (CONF)	ETS 300 434-2 [11], subclause 4.1.29	o
14	Connected Line identification Presentation (COLP)	ETS 300 434-2 [11], subclause 4.1.19	o
15	Connected Line identification Restriction (COLR)	ETS 300 434-2 [11], subclause 4.1.20	o
21	Direct Dialling In (DDI)	ETS 300 434-2 [11], subclause 4.1.22	o
22	Explicit Call Transfer (ECT)	ETS 300 434-2 [11], subclause 4.1.35	o
24	Freephone (FPH)	ETS 300 434-2 [11], subclause 4.1.37	o
26	Hold call (PT to FT)	ETS 300 434-2 [11], subclause 4.1.14	o
29	Malicious Call Identification (MCID)	ETS 300 434-2 [11], subclause 4.1.28	o
30	Multiple Subscriber Number (MSN)	ETS 300 434-2 [11], subclause 4.1.21	o
34	Re-connection of held call (PT to FT)	ETS 300 434-2 [11], subclause 4.1.39	o
36	Selection of required teleservice	ETS 300 434-2 [11], subclause 4.1.11	o
39	Subaddressing (SUB)	ETS 300 434-2 [11], subclause 4.1.23	o
40	Terminal Portability (TP)	ETS 300 434-1 [10], subclause 5.2.2.5.8	i
41	Three-Party (3PTY)	ETS 300 434-2 [11], subclause 4.1.30	o
42	User to User Signalling (UUS)	ETS 300 434-2 [11], subclauses 4.1.32, 4.1.33, 4.1.34	o

**B.2.1.2.3 LCE features**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11], the following table indicates the change of status for support of LCE features.

**Table B.5: ETS 300 476-4 [12], Table A.16 LCE features**

Item	Feature name	Profile Reference	Profile Status
1	Connection oriented Link control (Link control)	ETS 300 434-2 [11], subclause 5.2	m

**B.2.1.3 Procedures**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11], the following table indicates the change of status for support of the procedures.

**Table B.6: ETS 300 476-4 [12], Table A.18 CC procedures**

Item	Procedure name	Profile Reference	Profile Status
1	cc_outgoing_normal_call_request	ETS 300 434-2 [11], subclause 5.2	m
5	cc_outgoing_connection_of_U_plane	ETS 300 434-2 [11], subclause 5.2	m
6	cc_outgoing_overlap_sending	ETS 300 434-2 [11], subclause 5.2	m
7	cc_outgoing_call_proceeding	ETS 300 434-2 [11], subclause 5.2	m
8	cc_outgoing_call_confirmation	ETS 300 434-2 [11], subclause 5.2	m
9	cc_outgoing_call_connection	ETS 300 434-2 [11], subclause 5.2	m
12	cc_incoming_connection_of_U_plane	ETS 300 434-2 [11], subclause 5.2	m
15	cc_incoming_call_confirmation	ETS 300 434-2 [11], subclause 5.2	m
16	cc_incoming_call_connection	ETS 300 434-2 [11], subclause 5.2	m
17	cc_sending_terminal_capability	ETS 300 434-2 [11], subclause 5.2	m
19	cc_call_information	ETS 300 434-2 [11], subclause 5.2	o
20	cc_normal_call_release	ETS 300 434-2 [11], subclause 5.2	m
22	cc_abnormal_call_release	ETS 300 434-2 [11], subclause 5.2	m
23	cc_release_collisions	ETS 300 434-2 [11], subclause 5.2	m
32	cc_timer_f_cc_03_mgt	ETS 300 434-2 [11], subclause 5.2	m
33	cc_timer_f_cc_04_mgt	ETS 300 434-2 [11], subclause 5.2	see table B.1

Table B.7: ETS 300 476-4 [12], Table A.20 SS protocols

Item	SS protocol name	Profile Reference	Profile Status
1	crss_keypad_protocol	ETS 300 434-1 [10], subclause 5.2.2.1	o
3	crss_functional_protocol_smc	ETS 300 434-1 [10], subclause 5.2.2.3	o
4	ciss_keypad_protocol	ETS 300 434-1 [10], subclause 5.2.2.2	i
7	crss_functional_protocol_ciec	ETS 300 434-1 [10], subclause 5.2.2.3	o
8	ciss_functional_protocol_ciec	ETS 300 434-1 [10], subclause 5.2.2.4.1	o

Table B.8: ETS 300 476-4 [12], Table A.23 LCE procedures

Item	Procedure name	Profile Reference	Profile Status
1	lce_direct_pt_init_link_establishment	ETS 300 434-2 [11], subclause 5.2	m
2	lce_indirect_ft_init_link_establishment	ETS 300 434-2 [11], subclause 5.2	m
3	lce_direct_ft_init_link_establishment	ETS 300 434-2 [11], subclause 5.2	o
4	lce_link_maintenance	ETS 300 434-2 [11], subclause 5.2	m
7	lce_link_release	ETS 300 434-2 [11], subclause 5.2	m
11	lce_timer_lce_01_mgt	ETS 300 434-2 [11], subclause 5.2	m
12	lce_timer_lce_02_mgt	ETS 300 434-2 [11], subclause 5.2	m
13	lce_timer_lce_03_mgt	ETS 300 434-2 [11], subclause 5.2	m

**B.2.1.4 Messages**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11], the following tables indicate the change of status for support of messages.

**B.2.1.4.1 CC messages**

**Table B.9: ETS 300 476-4 [12], Table A.25 CC receiving (P to F) messages**

Item	CC receiving (P to F) Message name	Profile Reference	Profile Status
1	CC-SETUP	ETS 300 434-1 [10], subclause 5.2.4.2	m
2	CC-INFORMaTION	ETS 300 434-1 [10], subclause 5.2.4.2	m
5	CC-ALERTING	ETS 300 434-1 [10], subclause 5.2.4.2	m
6	CC-CONNECT	ETS 300 434-1 [10], subclause 5.2.4.2	m
8	CC-RELEASE	ETS 300 434-1 [10], subclause 5.2.4.2	m
9	CC-RELEASE-COMplete	ETS 300 434-1 [10], subclause 5.2.4.2	m
14	IWU-INFORMaTION	ETS 300 434-1 [10], subclause 5.2.4.2	i

**Table B.10: ETS 300 476-4 [12], Table A.26 CC sending (F to P) messages**

Item	CC sending (F to P) Message name	Profile Reference	Profile Status
1	CC-SETUP	ETS 300 434-1 [10], subclause 5.2.4.1	m
2	CC-INFORMaTION	ETS 300 434-1 [10], subclause 5.2.4.1	m
3	CC-SETUP-ACKnowledge	ETS 300 434-1 [10], subclause 5.2.4.1	m
4	CC-CALL-PROCEEDing	ETS 300 434-1 [10], subclause 5.2.4.1	m
5	CC-ALERTING	ETS 300 434-1 [10], subclause 5.2.4.1	m
6	CC-CONNECT	ETS 300 434-1 [10], subclause 5.2.4.1	m
7	CC-CONNECT-ACKnowledge	ETS 300 434-1 [10], subclause 5.2.4.1	m
8	CC-RELEASE	ETS 300 434-1 [10], subclause 5.2.4.1	m
9	CC-RELEASE-COMplete	ETS 300 434-1 [10], subclause 5.2.4.1	m



**B.2.1.4.2 CRSS and CISS messages**

**Table B.11: ETS 300 476-4 [12], Table A.86 CRSS & CISS messages receiving (P to F)**

Item	CRSS & CISS messages receiving (P to F) Message name	Profile Reference	Profile Status
1	FACILITY	ETS 300 434-2 [11], subclause 5.2.4.2	o
2	HOLD	ETS 300 434-2 [11], subclause 5.2.4.2	c1101
5	RETRIEVE	ETS 300 434-2 [11], subclause 5.2.4.2	c1101
8	CISS-REGISTER	ETS 300 434-2 [11], subclause 5.2.4.2	o
9	CISS-RELEASE-COMplete	ETS 300 434-2 [11], subclause 5.2.4.2	o

c1101: IF ETS 300 476-4 [12] Table A.15/12 THEN m ELSE o

**Table B.12: ETS 300 476-4 [12], Table A.87 CRSS & CISS messages sending (F to P)**

Item	CRSS & CISS messages sending (F to P) Message name	Profile Reference	Profile Status
1	FACILITY	ETS 300 434-2 [11], subclause 5.2.4.1	o
3	HOLD-ACKnowledge	ETS 300 434-2 [11], subclause 5.2.4.1	c1201
4	HOLD-REJECT	ETS 300 434-2 [11], subclause 5.2.4.1	c1201
6	RETRIEVE-ACKnowledge	ETS 300 434-2 [11], subclause 5.2.4.1	c1201
7	RETRIEVE-REJECT	ETS 300 434-2 [11], subclause 5.2.4.1	c1201
8	CISS-REGISTER	ETS 300 434-2 [11], subclause 5.2.4.1	o
9	CISS-RELEASE-COMplete	ETS 300 434-2 [11], subclause 5.2.4.1	o

c1201: IF ETS 300 476-4 [12] Table A.15/12 THEN m ELSE o

**B.2.1.4.3 LCE messages**

**Table B.13: ETS 300 476-4 [12], Table A.126 LCE message receiving (P to F)**

Item	LCE message receiving (P to F)	Profile Reference	Profile Status
1	LCE-PAGE-RESPONSE	ETS 300 434-1 [10], figure 22	m

**Table B.14: ETS 300 476-4 [12], Table A.127 LCE message sending (F to P)**

Item	LCE message sending (F to P)	Profile Reference	Profile Status
2	LCE-PAGE-REJECT	ETS 300 434-1 [10], figure 22	m
3	LCE-REQUEST-PAGE short	ETS 300 434-1 [10], figure 22	m
4	LCE-REQUEST-PAGE long	ETS 300 434-1 [10], figure 22	m

## B.2.2 Requirement list on DECT DLC layer

### B.2.2.1 Services

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of data link services.

**Table B.15: ETS 300 476-5 [13], Table A.9 Data link services**

Item	Data link services	Profile Reference	Profile Status
1	C-plane services	ETS 300 434-1 [10], subclause 6.1	m
2	U-plane services	ETS 300 434-1 [10], subclause 6.2	c1501

c1501: IF C.9/1 OR C.9/2 THEN m ELSE o

#### B.2.2.1.1 C-plane services

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of C-plane services.

**Table B.16: ETS 300 476-5 [13], Table A.10 C-plane services**

Item	C-plane services	Profile Reference	Profile Status
2	Class A service	ETS 300 434-2 [11], subclause 6.1.1	m
4	Broadcast service	ETS 300 434-2 [11], subclause 6.1.2	m

#### B.2.2.1.2 U-plane services

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of U-plane services.

**Table B.17: ETS 300 476-5 [13], Table A.11 U-plane services**

Item	U-plane services	Profile Reference	Profile Status
1	LU1 - Transparent Unprotected service	ETS 300 434-2 [11], subclause 6.2	c1701
8	LU7 - 64kbit/s data bearer service	ETS 300 434-2 [11], subclause 6.2	c1702

c1701: IF C.9/1 OR C.9/2 THEN m ELSE o

c1702: IF C.9/3 THEN m ELSE o

### B.2.2.2 Procedures

#### B.2.2.2.1 Generic signalling procedures

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of Generic signalling procedures.

**Table B.18: ETS 300 476-5 [13], Table A.13 Generic signalling procedures**

Item	Generic signalling procedures	Profile Reference	Profile Status
2	C <sub>S</sub> channel fragmentation and recombination	ETS 300 434-2 [11], subclause 6.1.1	m

#### B.2.2.2.2 Class A procedures

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of Class A procedures.

**Table B.19: ETS 300 476-5 [13], Table A.14 Class A procedures**

Item	Class A procedures	Profile Reference	Profile Status
1	Class A link establishment	ETS 300 434-2 [11], subclause 6.1.1	m
2	Class A acknowledged information transfer	ETS 300 434-2 [11], subclause 6.1.1	m
3	Class A link release	ETS 300 434-2 [11], subclause 6.1.1	m
4	Class A link re-establishment	ETS 300 434-2 [11], subclause 6.1.1	m

#### B.2.2.2.3 Broadcast procedures

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of Broadcast procedures.

**Table B.20: ETS 300 476-5 [13], Table A.16 Broadcast procedures**

Item	Broadcast procedures	Profile Reference	Profile Status
1	Normal operation	ETS 300 434-2 [11], subclause 7.1.2	m

#### B.2.2.2.4 LU1 procedures

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of LU1 procedures.

**Table B.21: ETS 300 476-5 [13], Table A.17 LU1 procedures**

Item	LU1 procedures	Profile Reference	Profile Status
1	Class 0/min_delay	ETS 300 434-2 [11], subclause 6.2	m
3	FU1 frame operation	ETS 300 434-2 [11], subclause 6.2	see table B.1

#### B.2.2.3 Parameters

##### B.2.2.3.1 LU1 parameters

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of LU1 Connection types.

**Table B.22: ETS 300 476-5 [13], Table A.38 LU1 Connection types**

Item	Connection types	Profile Reference	Profile Status
3	IN / min delay - Full slot (40 octets)	ETS 300 434-2 [11], subclause 6.2	m
6	IN / normal delay - Double slot (100 octets)	ETS 300 434-2 [11], subclause 7.1.1	i

**Table B.23: ETS 300 476-5 [13] Table A.48 LU7 Connection types**

Item	Connection types	Profile Reference	Profile Status
1	IN / normal delay - Double slot (100 octets)	ETS 300 434-2 [11], subclause 6.2	c2301

c2301: IF C.9/3 THEN m ELSE o

#### B.2.2.4 Messages

##### B.2.2.4.1 C-plane PDUs

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of Broadcast service frame structure.

**Table B.24: ETS 300 476-5 [13], Table A.54 Broadcast service frame structure (Sending F to P)**

Item	Frame elements	Profile Reference	Profile Status
1	Short frame format (3 octets)	ETS 300 434-2 [11], subclause 6.1.2	m
2	Long frame format (5 octets)	ETS 300 434-2 [11], subclause 6.1.2	m

#### B.2.3 Requirement list on DECT MAC layer

##### B.2.3.1 Services

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of services.

**Table B.25: ETS 300 476-6 [14], Table A.9 Service groups supported**

Item	Name of service	Profile Reference	Profile Status
1	Connection oriented control	ETS 300 434-2 [11], subclause 7.1.1	m
2	Broadcast control	ETS 300 434-2 [11], subclause 7.1.2	m

##### B.2.3.1.1 Connection oriented control services

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of connection oriented services.

**Table B.26: ETS 300 476-6 [14], Table A.10 Connection oriented control services**

Item	Connection oriented control services	Profile Reference	Profile Status
1	Basic connections	ETS 300 434-2 [11], subclause 7.1.1	m
2	Advanced symmetric connections	ETS 300 434-2 [11], subclause 7.1.1	c2601

c2601: IF C.9/3 THEN m ELSE o

**Table B.27: ETS 300 476-6 [14], Table A.11 Connection services**

Item	Connection services	Profile Reference	Profile Status
1	Connection setup	ETS 300 434-2 [11], subclause 7.2.1.1	see table B.1
3	Connection data transfer	ETS 300 434-2 [11], subclause 7.2.1.1	see table B.1
5	Connection release	ETS 300 434-2 [11], subclause 7.2.1.1	see table B.1

**Table B.28: ETS 300 476-6 [14], Table A.12 Symmetric connection oriented services**

Item	Symmetric connection oriented services	Profile Reference	Profile Status
1	Type 1 IN_minimum_delay	ETS 300 434-2 [11], subclause 7.1.1	c2801
2	Type 2 IN_normal_delay	ETS 300 434-2 [11], subclause 7.1.1	c2802

c2801: IF C.9/1 OR C.9/2 THEN m ELSE o

c2802: IF C.9/3 THEN m ELSE o

**Table B.29: ETS 300 476-6 [14], Table A.14 C-plane connection services**

Item	C-plane connection services	Profile Reference	Profile Status
1	Only C <sub>S</sub> channel supported	ETS 300 434-2 [11], subclause 7.3.3	c2901

c2901: IF C.9/1 OR C.9/2 THEN m ELSE o

#### **B.2.3.1.2 Broadcast control services**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of Broadcast services.

**Table B.30: ETS 300 476-6 [14], Table A.15 Broadcast control services**

Item	Broadcast services	Profile Reference	Profile Status
1	Continuous broadcast	ETS 300 434-2 [11], subclause 7.1.2	see table B.1
3	Paging broadcast	ETS 300 434-2 [11], subclause 6.1.2	m

#### **B.2.3.1.3 Multiplexing services**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of Multiplexing services.

**Table B.31: ETS 300 476-6 [14], Table A.19 CSF multiplexing services**

Item	CSF multiplexing services	Profile Reference	Profile Status
1	D-MAP	ETS 300 434-2 [11], subclause 7.1.1	c3101
2	A-MAP	ETS 300 434-2 [11], subclause 7.1.1	m
3	B-MAP	ETS 300 434-2 [11], subclause 7.1.1	m
4	T-MUX	ETS 300 434-2 [11], subclause 7.3.2	m
5	E/U-MUX	ETS 300 434-2 [11], subclause 7.3.1	m
6	C-MUX	ETS 300 434-2 [11], subclause 7.1.1	c3102

c3101: IF C.9/3 THEN m ELSE o

c3102: IF C.9/3 THEN m ELSE i

**Table B.32: ETS 300 476-6 [14], Table A.20 D-MAP services**

Item	D-MAP	Profile Reference	Profile Status
1	D-field MAP D80	ETS 300 434-2 [11], subclause 7.1.1	c3201
2	D-field MAP D32	ETS 300 434-2 [11], subclause 7.1.1	m

c3201: IF C.9/3 THEN m ELSE o

**Table B.33: ETS 300 476-6 [14], Table A.21 B-MAP services**

Item	B-MAP	Profile Reference	Profile Status
1	B-field MAP unprotected format (General)	ETS 300 434-2 [11], subclause 7.1.1	m
2	B-field MAP protected format	ETS 300 434-2 [11], subclause 7.1.1	c3301

c3301: IF C.9/3 THEN m ELSE o

**Table B.34: ETS 300 476-6 [14], Table A.22 E/U mux services**

Item	E/U MUX	Profile Reference	Profile Status
1	E/U-mux E type	ETS 300 434-2 [11], subclause 7.1.1	c3401
2	E/U-mux U type	ETS 300 434-2 [11], subclause 7.1.1	m

c3401: IF C.9/3 THEN m ELSE o

**Table B.35: ETS 300 476-6 [14], Table A.23 C mux mapping services**

Item	Time multiplexers - C mux	Profile Reference	Profile Status
1	C-mux double slot	ETS 300 434-2 [11], subclause 7.1.1GAP	c3501

c3501: IF C.9/3 THEN m ELSE o

**B.2.3.2 Procedures**

**B.2.3.2.1 Connection setup procedures**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of connection setup procedures.

**Table B.36: ETS 300 476-6 [14], Table A.26 C/O single bearer setup procedures**

Item	Name of procedure	Profile Reference	Profile Status
1	Basic setup, single bearer basic connection of known service	ETS 300 434-2 [11], subclause 7.2.1.1	m
2	Normal setup, single bearer duplex connection known service	ETS 300 434-1 [10], subclause 6	c3601

c3601: IF C.9/3 THEN m ELSE o

**Table B.37: ETS 300 476-6 [14], Table A.28 C/O bearer setup procedures**

Item	Name of procedure	Profile Reference	Profile Status
1	Basic bearer setup	ETS 300 434-2 [11], subclause 7.2.1.1	m
3	PT initiated - B-field single bearer setup	ETS 300 434-2 [11], subclause 7.2.1.1	c3701

c3701: IF C.9/3 THEN m ELSE o

**B.2.3.2.2 Connection data transfer procedures**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of C/O data transfer procedures.

**Table B.38: ETS 300 476-6 [14], Table A.30 C/O data transfer procedures**

Item	Name of procedure	Profile Reference	Profile Status
2	Cs - channel data	ETS 300 434-2 [11], subclause 7.3.3	m
5	Q2 bit settings	ETS 300 434-2 [11], subclause 6.1.1	m

**B.2.3.2.3 Connection release procedures**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of connection release procedures.

**Table B.39: ETS 300 476-6 [14], Table A.32 C/O connection release procedures**

Item	Name of procedure	Profile Reference	Profile Status
1	Unacknowledged bearer release	ETS 300 434-2 [11], subclause 7.2.1.1	m

**B.2.3.2.4 Broadcast procedures**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of broadcast procedures.

**Table B.40: ETS 300 476-6 [14], Table A.33 Broadcast procedures**

Item	Name of procedure	Profile Reference	Profile Status
1	Normal paging (Paging broadcast)	ETS 300 434-2 [11], subclause 7.3.2.3	m

**B.2.3.2.5 CSF multiplexing procedures**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of CSF multiplexing procedures.

**Table B.41: ETS 300 476-6 [14], Table A.36 CSF multiplexing procedures**

Item	CSF multiplexing procedures	Profile Reference	Profile Status
3	R-CRC generation	ETS 300 434-2 [11], subclause 6.1.1	m
4	R-CRC checking	ETS 300 434-2 [11], subclause 6.1.1	m
5	X-CRC generation	ETS 300 434-2 [11], subclause 7.3.3	m
6	X-CRC checking	ETS 300 434-2 [11], subclause 7.3.3	m

**B.2.3.2.6 Layer management procedures**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of Layer management procedures.

**Table B.42: ETS 300 476-6 [14], Table A.37 Layer management procedures**

Item	Name of procedure	Profile Reference	Profile Status
1	Extended system information PP request	ETS 300 434-2 [11], subclause 7.3.2.2	m
8	Test message procedures	ETS 300 434-2 [11], subclause 7.3.2.4	o

**B.2.3.3 Other capabilities**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of extended RF carriers.

**Table B.43: ETS 300 476-6 [14], Table A.38 Extended RF carriers supported**

Item	Extended RF Carriers	Profile Reference	Profile Status
1	Extended RF carriers	ETS 300 434-2 [11], subclause 7.3.2.2	o

**Table B.44: ETS 300 476-6 [14], Table A.39 Operation modes in Idle\_locked state supported**

Item	Operation mode	Profile Reference	Profile Status
4	Low duty cycle Idle_locked mode	ETS 300 434-2 [11], subclause 7.3.2.3	o



### B.2.3.4 Messages

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of messages.

#### B.2.3.4.1 A-field header - B-field identification

**Table B.45: ETS 300 476-6 [14], Table A.50 B-field identification (Receipt P to F)**

Item	B-field identification	Profile Reference	Profile Status
1	U-type, IN, SIN or IP packet number 0	ETS 300 434-2 [11], subclause 7.3.1	m
5	E-type, not all CF or CLF; packet number 0	ETS 300 434-2 [11], subclause 7.3.1	c4501
6	E-type, not all CF; CF packet number 1	ETS 300 434-2 [11], subclause 7.3.1	c4501
7	E-type, all MAC control (unnumbered)	ETS 300 434-2 [11], subclause 7.3.1	c4501
8	No B-field	ETS 300 434-2 [11], subclause 7.3.1	m

c4501: IF C.9/3 THEN m ELSE o

**Table B.46: ETS 300 476-6 [14], Table A.51 B-field identification (Sending F to P)**

Item	B-field identification	Profile Reference	Profile Status
1	U-type, IN, SIN or IP packet number 0	ETS 300 434-2 [11], subclause 7.3.1	m
5	E-type, not all CF or CLF; packet number 0	ETS 300 434-2 [11], subclause 7.3.1	c4601
6	E-type, not all CF; CF packet number 1	ETS 300 434-2 [11], subclause 7.3.1	c4601
7	E-type, all MAC control (unnumbered)	ETS 300 434-2 [11], subclause 7.3.1	c4601
8	No B-field	ETS 300 434-2 [11], subclause 7.3.1	m

c4601: IF C.9/3 THEN m ELSE o

#### B.2.3.4.2 Paging tail messages supported

**Table B.47: ETS 300 476-6 [14], Table A.57 Paging tail (P<sub>T</sub>) messages (Sending F to P)**

Item	Paging tail messages	Profile Reference	Profile Status
1	Full page format	ETS 300 434-2 [11], subclause 7.3.2.3	m
3	Short page format	ETS 300 434-2 [11], subclause 7.3.2.3	m

**B.2.3.4.3 MAC control messages supported**

**Table B.48: ETS 300 476-6 [14], Table A.59 MAC control (M<sub>T</sub>) messages (Receipt P to F)**

Item	MAC control (M <sub>T</sub> ) messages	Profile Reference	Profile Status
1	Basic connection control	ETS 300 434-2 [11], subclause 7.3.2.4	m
2	MAC layer test messages	ETS 300 434-2 [11], subclause 7.3.2.4	o
3	Advanced connection control	ETS 300 434-2 [11], subclause 7.3.2.4	c4801
7	B-field setup, first PT transmission	ETS 300 434-2 [11], subclause 7.3.2.4	c4801

c4801: IF C.9/3 THEN m ELSE o

**Table B.49: ETS 300 476-6 [14], Table A.60 MAC control (M<sub>T</sub>) messages (Sending F to P)**

Item	MAC control (M <sub>T</sub> ) messages	Profile Reference	Profile Status
1	Basic connection control	ETS 300 434-2 [11], subclause 7.3.2.4	m
2	MAC layer test messages	ETS 300 434-2 [11], subclause 7.3.2.4	o
3	Advanced connection control	ETS 300 434-2 [11], subclause 7.3.2.4	c4901
7	B-field setup, first PT transmission	ETS 300 434-2 [11], subclause 7.3.2.4	x

c4901: IF C.9/3 THEN m ELSE o

**B.2.3.4.4 B-field messages supported**

**Table B.50 ETS 300 476-6 [14], clause A.74 B-Field messages supported (Receipt P to F)**

Item	B-field messages	Prof Reference	Prof. Status
1	X001 - Advanced connection control	ETS 300 434-2 [11], subclause 7.3.3	c5001
2	X010 - Null message	ETS 300 434-2 [11], subclause 7.3.3	c5001

c5001: IF C.9/3 THEN m else i

**Table B.51 ETS 300 476-6 [14], clause A.75 B-Field messages supported (Sending F to P)**

Item	B-field messages	Reference	Status
1	X001 - Advanced connection control	ETS 300 434-2 [11] 7.3.3	c5101
2	X010 - Null message	ETS 300 434-2 [11] 7.3.3	c5101

c5101: IF C.9/3 THEN m else i

**Table B.52 ETS 300 476-6 [14], clause A.76 B-Field Advanced connection control messages (Receipt P to F)**

Item	B-field Advanced CC messages	Reference	Status
1	Access request	ETS 300 434-2 [11], subclause 7.3.3	c5201
5	Bearer confirm	ETS 300 434-2 [11], subclause 7.3.3	i
6	Wait	ETS 300 434-2 [11], subclause 7.3.3	c5201
14	Release	ETS 300 434-2 [11], subclause 7.3.3	c5201

c5201: IF C.9/3 THEN m else i

**Table B.53 ETS 300 476-6[14], clause A.77 B-Field Advanced connection control messages (Sending F to P)**

Item	B-field Advanced CC messages	Reference	Status
1	Access request	ETS 300 434-2 [11], subclause 7.3.3	i
5	Bearer confirm	ETS 300 434-2 [11], subclause 7.3.3	c5301
6	Wait	ETS 300 434-2 [11], subclause 7.3.3	c5301
14	Release	ETS 300 434-2 [11], subclause 7.3.3	c5301

c5301: IF C.9/3 THEN m else i

**Table B.54 ETS 300 476-6 [14], clause A.78 B-Field - Null messages (Receipt P to F)**

Item	B-field - Null messages	Reference	Status
1	No C <sub>F</sub> or CL <sub>F</sub> data in the B-field	ETS 300 434-2 [11], subclause 7.3.3	c5401
2	One B-subfield contains C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
3	Two B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
4	Three B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
5	Four B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
6	Five B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
7	Six B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
8	Seven B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
9	Eight B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
10	Nine B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i

c5401: IF C.9/3 THEN m else i

**Table B. 55 ETS 300 476-6 [14], clause A.79 B-Field - Null messages (Sending F to P)**

Item	B-field - Null messages	Reference	Status
1	No C <sub>F</sub> or CL <sub>F</sub> data in the B-field	ETS 300 434-2 [11], subclause 7.3.3	c.5501
2	One B-subfield contains C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
3	Two B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
4	Three B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
5	Four B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
6	Five B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
7	Six B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
8	Seven B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
9	Eight B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i
10	Nine B-subfield contain C <sub>F</sub> or CL <sub>F</sub> data	ETS 300 434-2 [11], subclause 7.3.3	i

c.5501: IF C.9/3 THEN m else i

**B.2.3.5 MAC messages format and field value**

**B.2.3.5.1 QT - Fixed part capability**

**Table B.56: ETS 300 476-6 [14], Table A.88 QT - Fixed part capability (Sending F to P)**

Item	QT - Fixed part capability	Profile Reference	Profile Status	Profile Value Allowed
22	Higher layer info.	ETS 300 434-1 [10], A.1	m	c5601

c5601: IF C.9/3 THEN 15 bits value followed by 1 bit set to 1 ELSE 16 bits value

**B.2.4 Requirement list on DECT PHL layer**

To express the profile requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] the following table indicates the change of status for support of procedures.

**Table B.57: ETS 300 476-7 [15], Table A.15 Physical layer procedures**

Item	Procedure name	Profile Reference	Profile Status
9	Basic physical channel R32 management	ETS 300 434-2 [11], subclause 7.1.1	m
11	The high capacity physical channel R80 management	ETS 300 434-2 [11], subclause 7.1.1	c5701

c5701: IF C.9/3 THEN m ELSE o

**B.2.5 Requirement list on ISDN L3 layer tables**

**B.2.5.1 ISDN L3 layer primary access tables**

No specific requirements.

**B.2.5.2 ISDN L3 layer basic access tables**

No specific requirements.

**B.2.6 Requirement list on ISDN L2 layer tables**

**B.2.6.1 ISDN L2 layer primary access tables**

No specific requirements.

**B.2.6.2 ISDN L2 layer basic access tables**

No specific requirements.

**B.2.7 Requirement list on ISDN L1 layer tables**

**B.2.7.1 ISDN L1 layer primary access tables**

No specific requirements.

**B.2.7.2 ISDN L1 layer basic access tables**

No specific requirements.

## Annex C (normative): Profile specific ICS proforma for DECT FT IAP

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

### C.1 Guidance for completing the profile specific proforma

#### C.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 FT specific requirements of ETS 300 434-1 [10] and ETS 300 434-2 [11] 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 ETS 300 434-1 [10] and ETS 300 434-2 [11];
- 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 [18].

#### 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 [18], 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 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 300 434-1 [10] or ETS 300 434-2 [11], 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 [18], 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 [18], 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.

### C.1.2 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 C.1.1. Specific instruction is provided in the text which precedes each table.

## C.2 Identification of the implementation

### C.2.1 Date of statement

The supplier of the implementation shall enter the date of this statement in the table below.

**Table C.1: Date of statement**

Date of statement		
Day	Month	Year

### C.2.2 Identification of the implementation

The supplier of the implementation shall enter information necessary to uniquely identify the implementation and the system(s) in which it may reside, in the table below.

**Table C.2: Identification of implementation**

Identification of implementation	
Name of Implementation	
Name of System	

### C.2.3 Contact person identification

The supplier of the implementation shall provide information on whom to contact if there are any queries concerning the content of the ICS, in the table below.

**Table C.3: Contact person identification**

Contact person	
Name	
Address	
Phone No.	
Fax No.	



### C.2.4 Relationship with the System Conformance Statement (SCS)

The supplier of the implementation shall provide information which describes the relationship between the PICS and the SCS for the system, in the box below.

**Table C.4: Relationship with SCS**

--

### C.3 Identification of the profile

**Table C.5: Identification of profile**

Identification of profile	
Title of specification	Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT) and Integrated Services Digital Network (ISDN) interworking for end system configuration; Part 1: Interworking specification  and  Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT) and Integrated Services Digital Network (ISDN) interworking for end system configuration; Part 2: Access profile
Reference No.	ETS 300 434-1 [10] and ETS 300 434-2 [11]
Date of publication	1994

#### C.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, in the table below.

**Table C.6: Defect report and amendments number**

Modification of specification	
Defect report No.	Amendment No.

**C.3.2 Addenda implemented**

The supplier of the implementation shall enter the titles and the reference number of implemented addenda, in the table below.

**Table C.7: Addenda implemented**

Addenda implemented	
Title	Reference No.

**C.4 Profile ICS proforma tables**

**C.4.1 Global statement of conformance**

The supplier of the implementation shall state whether or not all mandatory capabilities are implemented.

**Table C.8: Global statement of conformance**

Are all mandatory capabilities implemented?	
---	--

NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming.

**C.4.2 Profile ICS features tables**

The supplier of the implementation shall state the support of the implementation for all of the following requirements, in the table below.

**Table C.9: Features support**

Item	Features support	Reference	Status	Support
1	Duplex speech - 32 kbit/s ADPC	ETS 300 434-2 [11], subclause 5.1	o.901	
2	Voice band data capability	ETS 300 434-2 [11], subclause 5.1	o.901	
3	64 kbps unrestricted digital information	ETS 300 434-2 [11], subclause 5.1	o.901	

o.901: It is mandatory to support at least one of these features

**C.4.3 Profile ICS IWU tables**

**C.4.3.1 IWU procedures**

The supplier of the implementation shall state the support of the implementation for all of the following requirements, in the tables below.

**Table C.10: IWU procedures support**

Item	IWU procedures support	Reference	Status	Support
1	Call Control (CC) - Call establishment procedures	ETS 300 434-1 [10], subclause 5.2.1.1	m	
2	Call Control (CC) - Call Information Procedures	ETS 300 434-1 [10], subclause 5.2.1.2.	m	
3	Call Control (CC) - Call Release Procedures	ETS 300 434-1 [10], subclause 5.2.1.3	m	
4	Keypad Protocol Procedures for CRSS	ETS 300 434-1 [10], subclause 5.2.2.1	m	
5	Keypad Protocol Procedures for CISS	ETS 300 434-1 [10], subclause 5.2.2.2	i	
6	Functional protocol IWU procedures for CRSS	ETS 300 434-1 [10], subclause 5.2.2.3	m	
7	Functional protocol IWU procedures for CISS	ETS 300 434-1 [10], subclause 5.2.2.4	o	
8	Specific procedures for supplementary services	ETS 300 434-1 [10], subclause 5.2.2.5	c1001	
9	Error handling for supplementary services	ETS 300 434-1 [10], subclause 5.2.2.6	m	
10	Identity mapping procedures	ETS 300 434-1 [10], subclause 5.2.3.2	m	

c1001: IF ETS 300 434-2 [11] Table A.15/4 OR ETS 300 434-2 [11] Table A.15/5  
OR ETS 300 434-2 [11] Table A.15/6 THEN m ELSE n/a

**Table C.11: Call establishment (CC) IWU procedures**

Prerequisite: C.10/1				
Item	Call establishment (CC) IWU procedures	Reference	Status	Support
1	Outgoing Call	ETS 300 434-1 [10], subclause 5.2.1.1.1	m	
2	Incoming Call	ETS 300 434-1 [10], subclause 5.2.1.1.2	m	
3	Fall-back procedures	ETS 300 434-1 [10], subclause 5.2.1.1.3	m	

**Table C.12: Call Release (CC) IWU procedures**

Prerequisite: C.10/3				
Item	Call Release (CC) IWU procedures	Reference	Status	Support
1	Call release initiated by the DPS	ETS 300 434-1 [10], subclause 5.2.1.3.1	m	
2	Call release initiated by the NT	ETS 300 434-1 [10], subclause 5.2.1.3.2	m	

**Table C.13: Functional protocol procedures for CRSS**

Prerequisite: C.10/6				
Item	Functional protocol procedures for CRSS	Reference	Status	Support
1	Common information element approach: Messages for outgoing call control, Messages for incoming call control, Active call messages, Call release messages, Additional CRSS messages	ETS 300 434-1 [10], subclauses 5.2.2.3.1, 5.2.2.3.2, 5.2.2.3.3, 5.2.2.3.4, 5.2.2.3.5	c1301	
2	Separate message approach	ETS 300 434-1 [10], subclause 5.2.2.3.7	o	
3	Generic notification mapping procedures: Outgoing call messages, Incoming call messages, Active call messages, Call release messages, Additional CRSS messages	ETS 300 434-1 [10], subclauses 5.2.2.3.8, 5.2.2.3.9, 5.2.2.3.10, 5.2.2.3.11, 5.2.2.3.12	c1302	

c1301: IF one of ETS 300 434-2 [11] Table A.15/items 1, 3, 10, 11, 13, 22, 24, 29, 41, 42  
THEN m ELSE o

c1302: IF ETS 300 434-2 [11] Table A.15/12 THEN m ELSE o

**Table C.14: Functional protocol procedures for CISS**

Prerequisite: C.10/7				
Item	Functional protocol procedures for CISS	Reference	Status	Support
1	Connection-oriented	ETS 300 434-1 [10], subclause 5.2.2.4.1	m	
2	Connectionless	ETS 300 434-1 [10], subclause 5.2.2.4.2	m	

**Table C.15: Specific procedures for supplementary services**

Prerequisite: C.10/8				
Item	Specific procedures for supplementary services	Reference	Status	Support
1	Calling Line Identification Presentation (CLIP)	ETS 300 434-1 [10], subclause 5.2.2.5.1	c1501	
2	Calling Line Ident. presentation Restriction (CLIR)	ETS 300 434-1 [10], subclause 5.2.2.5.2	c1502	
3	Connected Line identification Presentation (COLP)	ETS 300 434-1 [10], subclause 5.2.2.5.3	c1503	
4	Connected Line ident. presentation Restriction (COLR)	ETS 300 434-1 [10], subclause 5.2.2.5.4	c1504	
5	Subaddressing (SUB)	ETS 300 434-1 [10], subclause 5.2.2.5.7	c1505	
6	Terminal Portability (TP)	ETS 300 434-1 [10], subclause 5.2.2.5.8	i	
7	Call Waiting (CW)	ETS 300 434-1 [10], subclause 5.2.2.5.9	c1506	
8	User to User Service 1 (UUS1)	ETS 300 434-1 [10], subclause 5.2.2.5.17	c1507	
9	User to User Service 2 (UUS2)	ETS 300 434-1 [10], subclause 5.2.2.5.18	c1508	
10	User to User Service 3 (UUS3)	ETS 300 434-1 [10], subclause 5.2.2.5.19	c1509	
11	Call Completion on Busy Subscribers (CCBS)	ETS 300 434-1 [10], subclause 5.2.2.5.21	c1510	

c1501: IF ETS 300 434-2 [11] Table A.15/8 THEN m ELSE x  
c1502: IF ETS 300 434-2 [11] Table A.15/9 THEN m ELSE x  
c1503: IF ETS 300 434-2 [11] Table A.15/14 THEN m ELSE x  
c1504: IF ETS 300 434-2 [11] Table A.15/15 THEN m ELSE x  
c1505: IF ETS 300 434-2 [11] Table A.15/39 THEN m ELSE x  
c1506: IF ETS 300 434-2 [11] Table A.15/7 THEN m ELSE o  
c1507: IF ETS 300 434-2 [11] Table A.15/42 THEN m ELSE x  
c1508: IF ETS 300 434-2 [11] Table A.15/42 THEN m ELSE x  
c1509: IF ETS 300 434-2 [11] Table A.15/42 THEN m ELSE x  
c1510: IF ETS 300 434-2 [11] Table A.15/11 THEN m ELSE x

**Table C.16: Error handling for supplementary services**

Prerequisite: C.10/9				
Item	Error handling for supplementary services	Reference	Status	Support
1	Error handling procedures at the DECT CI	ETS 300 434-1 [10], subclause 5.2.2.6.1	m	
2	IWU Error handling procedures - information from the NT	ETS 300 434-1 [10], subclause 5.2.2.6.2	m	
3	IWU Error handling procedure - information from the DPS	ETS 300 434-1 [10], subclause 5.2.2.6.3	c1601	

c1601: IF C.13/1 OR 13/2 THEN m ELSE n/a

#### **C.4.3.2 IWU messages mapping**

The supplier of the implementation shall state the support of the implementation for all of the following requirements, in the tables below.

Table C.17: Messages mapping - ISDN to DECT

Item	Messages mapping - ISDN to DECT	Reference	Status	Support
1	ALERTING - CC-ALERTING	ETS 300 434-1 [10], subclause 5.2.4.1.1	m	
2	CALL-PROC - CC-CALL-PROC	ETS 300 434-1 [10], subclause 5.2.4.1.2	m	
3	CISS-RELEASE - CISS-RELEASE-COM	ETS 300 434-1 [10], subclause 5.2.4.1.3	o	
4	CISS-RELEASE-COM - CISS-RELEASE-COM	ETS 300 434-1 [10], subclause 5.2.4.1.4	o	
5	CONGESTION-CONTROL - CC-INFO	ETS 300 434-1 [10], subclause 5.2.4.1.5	c1701	
6	CONNECT - CC-CONNECT	ETS 300 434-1 [10], subclause 5.2.4.1.6	m	
7	CONNECT-ACK - CC-CONNECT-ACK	ETS 300 434-1 [10], subclause 5.2.4.1.7	m	
8	DISCONNECT - CC-RELEASE	ETS 300 434-1 [10], subclause 5.2.4.1.8	c1702	
9	FACILITY <sub>ciss</sub> - FACILITY <sub>ciss</sub>	ETS 300 434-1 [10], subclause 5.2.4.1.9	o	
10	FACILITY <sub>crss</sub> - FACILITY <sub>crss</sub>	ETS 300 434-1 [10], subclause 5.2.4.1.10	o	
11	HOLD-ACK - HOLD-ACK	ETS 300 434-1 [10], subclause 5.2.4.1.11	c1703	
12	HOLD-REJ - HOLD-REJ	ETS 300 434-1 [10], subclause 5.2.4.1.12	c1703	
13	INFORMATION - CC-INFO(F-02, F-03, F-04, F-07, F-10)	ETS 300 434-1 [10], subclause 5.2.4.1.13	o	
14	INFORMATION - CC-SETUP	ETS 300 434-1 [10], subclause 5.2.4.1.14	o	
15	NOTIFY - CC-INFO	ETS 300 434-1 [10], subclause 5.2.4.1.15	o	
16	PROGRESS - CC-INFO	ETS 300 434-1 [10], subclause 5.2.4.1.16	m	
17	REGISTER - CISS-REGISTER	ETS 300 434-1 [10], subclause 5.2.4.1.17	o	
18	RELEASE - CC-RELEASE-COM	ETS 300 434-1 [10], subclause 5.2.4.1.18	m	
19	RELEASE-COM - CC-RELEASE-COM	ETS 300 434-1 [10], subclause 5.2.4.1.19	m	
20	RETRIEVE-ACK - RETRIEVE-ACK	ETS 300 434-1 [10], subclause 5.2.4.1.20	c1703	
21	RETRIEVE-REJ - RETRIEVE-REJ	ETS 300 434-1 [10], subclause 5.2.4.1.21	c1703	
22	SETUP - CC-SETUP	ETS 300 434-1 [10], subclause 5.2.4.1.22	m	
23	SETUP-ACK without <<progress indicator>> IE - CC-SETUP-ACK	ETS 300 434-1 [10], subclause 5.2.4.1.24	m	
24	SETUP-ACK with <<progress indicator>> IE - CC-SETUP-ACK + CC-INFO	ETS 300 434-1 [10], subclause 5.2.4.1.23	m	
25	USER-INFORMATION - CC-INFO	ETS 300 434-1 [10], subclause 5.2.4.1.25	c1704	

c1701: IF UUS3 THEN m ELSE o  
c1702: IF 64 kbit/s unrestricted THEN m ELSE o  
c1703: IF CH THEN m ELSE o  
c1704: IF UUS2 OR UUS3 THEN m ELSE o

Table C.18: Messages mapping - DECT to ISDN

Item	Messages mapping - DECT to ISDN	Reference	Status	Support
1	CC-ALERTING - ALERTING	ETS 300 434-1 [10], subclause 5.2.4.2.1	m	
2	CC-CONNECT - CONNECT	ETS 300 434-1 [10], subclause 5.2.4.2.2	m	
3	CC-INFO(F-02) - INFORMATION (U2)	ETS 300 434-1 [10], subclause 5.2.4.2.3	m	
4	CC-INFO(F-02) - SETUP	ETS 300 434-1 [10], subclause 5.2.4.2.4	m	
5	CC-INFO(F-03, F-04, F-07, F-10, F-19) - INFORMATION	ETS 300 434-1 [10], subclause 5.2.4.2.5	o	
6	CC-INFO - FACILITY-crss	ETS 300 434-1 [10], subclause 5.2.4.2.6	c1801	
7	CC-INFO - USER-INFORMATION	ETS 300 434-1 [10], subclause 5.2.4.2.7	c1801	
8	CC-RELEASE - DISCONNECT	ETS 300 434-1 [10], subclause 5.2.4.2.8	m	
9	CC-RELEASE-COM - RELEASE	ETS 300 434-1 [10], subclause 5.2.4.2.9	m	
10	CC-RELEASE-COM - DISCONNECT	ETS 300 434-1 [10], subclause 5.2.4.2.10	m	
11	CC-SETUP - SETUP	ETS 300 434-1 [10], subclause 5.2.4.2.11	m	
12	CISS-REGISTER - REGISTER	ETS 300 434-1 [10], subclause 5.2.4.2.12	o	
13	CISS-RELEASE-COM - CISS-RELEASE	ETS 300 434-1 [10], subclause 5.2.4.2.13	o	
14	FACILITYciss - FACILITYciss	ETS 300 434-1 [10], subclause 5.2.4.2.14	o	
15	FACILITYcrss - FACILITYcrss	ETS 300 434-1 [10], subclause 5.2.4.2.15	o	
16	HOLD - HOLD	ETS 300 434-1 [10], subclause 5.2.4.2.16	c1802	
17	RETREIVE - RETREIVE	ETS 300 434-1 [10], subclause 5.2.4.2.17	c1802	

c1801: IF mapping of {CC-INFO} is called up by item 3, 4, 5 THEN m ELSE x

c1802: IF CH THEN m ELSE o

Table C.19: ISDN information element to DECT information element

Item	ISDN information element to DECT information element	Reference	Status	Support
1	ISDN Bearer-capability to DECT Basic-service	ETS 300 434-1 [10], subclause 5.2.5.1.1	m	
2	ISDN to DECT: Calling-party-number	ETS 300 434-1 [10], subclause 5.2.5.1.2.	c1902	
3	ISDN to DECT: Called-party-number	ETS 300 434-1 [10], subclause 5.2.5.1.3.	o	
4	ISDN to DECT: Called-party-subaddress	ETS 300 434-1 [10], subclause 5.2.5.1.4.	c1903	
5	ISDN to DECT: Display	ETS 300 434-1 [10], subclause 5.2.5.1.5.	o	
6	ISDN Bearer-capability to DECT End-to-end-compatibility	ETS 300 434-1 [10], subclause 5.2.5.1.6.	c1901	
7	ISDN to DECT: Facility	ETS 300 434-1 [10], subclause 5.2.5.1.8.	m	
8	ISDN Bearer-capability to DECT Iwu-attributes	ETS 300 434-1 [10], subclause 5.2.5.1.9	c1901	
9	ISDN to DECT: Progress-indicator	ETS 300 434-1 [10], subclause 5.2.5.1.15.	m	
10	ISDN Cause to DECT Reject-reason	ETS 300 434-1 [10], subclause 5.2.5.1.16	o	
11	ISDN to DECT: Sending-complete	ETS 300 434-1 [10], subclause 5.2.5.1.18	o	

c1901: IF Bearer Capability is not equal to "default set-up attributes" THEN M ELSE X

c1902: IF CLIP THEN M ELSE O

c1903: IF SUB THEN M ELSE O



Table C.20: ISDN information element to DECT iwu to iwu

Item	ISDN information element to DECT iwu to iwu	Reference	Status	Support
1	redirecting number	ETS 300 434-1 [10], subclause 5.2.5.1.11	o	
2	congestion level	ETS 300 434-1 [10], subclause 5.2.5.1.12.	m	
3	date/time	ETS 300 434-1 [10], subclause 5.2.5.1.11.	o	
4	connected party number	ETS 300 434-1 [10], subclause 5.2.5.1.11.	c2001	
5	connected party subaddress	ETS 300 434-1 [10], subclause 5.2.5.1.11.	c2001	
6	cause	ETS 300 434-1 [10], subclause 5.2.5.1.11.	o	
7	user to user	ETS 300 434-1 [10], subclause 5.2.5.1.11.	o	
8	channel identification	ETS 300 434-1 [10], subclause 5.2.5.1.11.	c2003	
9	network specific facility	ETS 300 434-1 [10], subclause 5.2.5.1.11.	o	
10	notification indicator	ETS 300 434-1 [10], subclause 5.2.5.1.11.	m	
11	keypad facility	ETS 300 434-1 [10], subclause 5.2.5.1.11.	o	
12	calling party subaddress	ETS 300 434-1 [10], subclause 5.2.5.1.11.	c2002	
13	low layer compatibility	ETS 300 434-1 [10], subclause 5.2.5.1.11.	c2004	
14	high layer compatibility	ETS 300 434-1 [10], subclause 5.2.5.1.11.	c2004	
15	user to user	ETS 300 434-1 [10], subclause 5.2.5.1.11.	o	
16	more data	ETS 300 434-1 [10], subclause 5.2.5.1.12.	m	

c2001: IF COLP THEN m ELSE o  
c2002: IF SUB THEN m ELSE o  
c2003: IF CW THEN m ELSE o  
c2004: IF not basic-service THEN m ELSE i

Table C.21: DECT information element to ISDN information element

Item	DECT information element to ISDN information element	Reference	Status	Support
1	DECT Basic-service to ISDN Bearer-capability	ETS 300 434-1 [10], subclause 5.2.5.1.1	m	
2	DECT to ISDN: Calling-party-number	ETS 300 434-1 [10], subclause 5.2.5.1.2	c2104	
3	DECT to ISDN: Called-party-number	ETS 300 434-1 [10], subclause 5.2.5.1.3	m	
4	DECT to ISDN: Called-party-subaddress	ETS 300 434-1 [10], subclause 5.2.5.1.4	c2103	
5	DECT End-to-end-compatibility to ISDN Bearer-capability	ETS 300 434-1 [10], subclause 5.2.5.1.6	c2107	
6	DECT End-to-end-compatibility to ISDN Lower-Layer-compatibility	ETS 300 434-1 [10], subclause 5.2.5.1.7	c2108	
7	DECT to ISDN: Facility	ETS 300 434-1 [10], subclause 5.2.5.1.8	m	
8	DECT lwu-attributes to ISDN Bearer-capability	ETS 300 434-1 [10], subclause 5.2.5.1.9	c2105	
9	DECT lwu-attributes to ISDN Lower-layer-compatibility	ETS 300 434-1 [10], subclause 5.2.5.1.10	c2106	
10	DECT lwu-to-iwu to ISDN-information-element	ETS 300 434-1 [10], subclause 5.2.5.1.11	m	
11	DECT lwu-to-iwu to ISDN-message	ETS 300 434-1 [10], subclause 5.2.5.1.12	m	
12	DECT Keypad to ISDN Called-party-number	ETS 300 434-1 [10], subclause 5.2.5.1.13	c2102	
13	DECT to ISDN: Keypad	ETS 300 434-1 [10], subclause 5.2.5.1.14	c2101	
14	DECT Keypad to ISDN Facility	ETS 300 434-1 [10], subclause 5.2.5.1.14	i	
15	DECT Release-reason to ISDN Cause	ETS 300 434-1 [10], subclause 5.2.5.1.17	o	
16	DECT to ISDN: Sending-complete	ETS 300 434-1 [10], subclause 5.2.5.1.18	m	

c2101: IF NOT called party number info AND NOT mapped to <<FACILITY>> THEN m ELSE x

c2102: IF called party number info THEN m ELSE x

c2103: IF SUB THEN m ELSE o

c2104: IF CLIP OR CLIR with option "per call" and "default override" subscribed THEN m ELSE o

c2105: IF NOT speech(default) THEN m ELSE o

c2106: IF present THEN m ELSE x

c2107: IF parameters are significant for the network THEN m ELSE x

c2108: IF parameters are significant for end to end THEN o ELSE x

**Table C.22: DECT iwu to iwu to ISDN information element**

Item	DECT iwu to iwu to ISDN information element	Reference	Status	Support
1	connected party number	ETS 300 434-1 [10], subclause 5.2.5.1.11	c2201	
2	connected party subaddress	ETS 300 434-1 [10], subclause 5.2.5.1.11	o	
3	user to user	ETS 300 434-1 [10], subclause 5.2.5.1.11	m	
4	high layer compatibility	ETS 300 434-1 [10], subclause 5.2.5.1.11	m	
5	calling party subaddress	ETS 300 434-1 [10], subclause 5.2.5.1.11	c2202	
6	calling party number	ETS 300 434-1 [10], subclause 5.2.5.1.11	c2203	

c2201: IF COLR with options "per call" and "override" is subscribed THEN m ELSE o

c2202: IF SUB THEN m ELSE o

c2203: IF MSN THEN m ELSE o

**Table C.23 DECT iwu to iwu to ISDN message**

Item	DECT iwu to iwu to ISDN message	Reference	Status	Support
1	USER-INFORmation	ETS 300 434-1 [10], subclause 5.2.4.2.7	m	

**Table C.24: Information element coding mappings**

Item	Information element coding mappings	Reference	Status	Support
1	coding-standard - coding-standard	ETS 300 434-1 [10], subclause 5.2.6.1	m	
2	data bits coding - number of data bits	ETS 300 434-1 [10], subclause 5.2.6.2	m	
3	duplex mode - duplex mode	ETS 300 434-1 [10], subclause 5.2.6.3	m	
4	Flow control on reception - Flow control on reception	ETS 300 434-1 [10], subclause 5.2.6.4	m	
5	Flow control on transmission - Flow control on transmission	ETS 300 434-1 [10], subclause 5.2.6.5	m	
6	id-for-info-element - info-element-id	ETS 300 434-1 [10], subclause 5.2.6.6	m	
7	info.-transfer-capability - info.-transfer-capability	ETS 300 434-1 [10], subclause 5.2.6.7	m	
8	information-transfer-rate - information-transfer-rate	ETS 300 434-1 [10], subclause 5.2.6.8	m	
9	intermediate rate - intermediate rate	ETS 300 434-1 [10], subclause 5.2.6.9	m	
10	location - location	ETS 300 434-1 [10], subclause 5.2.6.10	m	
11	length-of-contents - length-of-contents	ETS 300 434-1 [10], subclause 5.2.6.11	m	
12	L2-protocol-identifier - user-information-layer-2-protocol	ETS 300 434-1 [10], subclause 5.2.6.12	m	
13	L3-protocol-identifier - user-information-layer-3-protocol	ETS 300 434-1 [10], subclause 5.2.6.13	m	

(continued)

Table C.24 (concluded): Information element coding mappings

Item	Information element coding mappings	Reference	Status	Support
14	message-type - message-type	ETS 300 434-1 [10], subclause 5.2.6.14	m	
15	modem type - modem type	ETS 300 434-1 [10], subclause 5.2.6.15	m	
16	negotiation - negotiation	ETS 300 434-1 [10], subclause 5.2.6.16	m	
17	NIC on reception - NIC on reception	ETS 300 434-1 [10], subclause 5.2.6.17	m	
18	NIC on transmission - NIC on transmission	ETS 300 434-1 [10], subclause 5.2.6.18	m	
19	number-type - type-of-number	ETS 300 434-1 [10], subclause 5.2.6.19	m	
20	numbering-plan - numbering-plan	ETS 300 434-1 [10], subclause 5.2.6.20	m	
21	odd/even - odd/even-indicator	ETS 300 434-1 [10], subclause 5.2.6.21	m	
22	parity - parity	ETS 300 434-1 [10], subclause 5.2.6.22	m	
23	presentation-indicator - presentation-indicator	ETS 300 434-1 [10], subclause 5.2.6.23	m	
24	progress-description - progress-description	ETS 300 434-1 [10], subclause 5.2.6.24	m	
25	protocol-discriminator - protocol-discriminator	ETS 300 434-1 [10], subclause 5.2.6.25	m	
26	protocol-identifier-coding - protocol-identifier-coding	ETS 300 434-1 [10], subclause 5.2.6.26	m	
27	reject-reason-code - cause-value	ETS 300 434-1 [10], subclause 5.2.6.27	m	
28	release-reason-code - cause-value	ETS 300 434-1 [10], subclause 5.2.6.28	m	
29	screening-indicator - screening-indicator	ETS 300 434-1 [10], subclause 5.2.6.29	m	
30	service-discriminator - service-discriminator	ETS 300 434-1 [10], subclause 5.2.6.30	m	
31	stop bits coding - number of stop bits	ETS 300 434-1 [10], subclause 5.2.6.31	m	
32	subaddress-type - type-of-subaddress	ETS 300 434-1 [10], subclause 5.2.6.32	m	
33	synchronous/asynchronous - synchronous/asynchronous	ETS 300 434-1 [10], subclause 5.2.6.33	m	
34	transaction-identifier - call-reference	ETS 300 434-1 [10], subclause 5.2.6.34	m	
35	transfer-mode - transfer-mode	ETS 300 434-1 [10], subclause 5.2.6.35	m	
36	user-protocol-identifier - user-information- layer-1-protocol	ETS 300 434-1 [10], subclause 5.2.6.36	m	
37	user rate - user rate	ETS 300 434-1 [10], subclause 5.2.6.37	m	

#### C.4.4 Profile ICS NWK layer tables

The supplier of the implementation shall state the support of the implementation for all of the following requirements, in the table below.

**Table C.25: Additional IWU CC procedures**

Item	Procedure name	Reference	Status	Support
1	cc_incoming_call_accept	ETS 300 434-2 [11], subclause 5.2	m	
2	cc_incoming_call_reject	ETS 300 434-2 [11], subclause 5.2	m	

#### C.4.5 Profile ICS DLC layer tables

The supplier of the implementation shall state the support of the implementation for all of the following requirements, in the table below.

**Table C.26: Additional DLC procedures**

Item	Procedure name	Reference	Status	Support
1	DLC more bit procedure	ETS 300 434-1 [10], subclause 5.2.3.1	m	

#### C.4.6 Profile ICS MAC layer tables

No specific requirements.

## Annex D (normative): Messages redefinition for DECT CI FT PICS proforma

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

### D.1 Description

This annex describes the elements of DECT NWK layer needed for use on DECT/ISDN end system configuration and not allowed in ETS 300 175-5 [5] and its corresponding PICS proforma. Further specification and PICS proforma of ETS 300 175-5 [5] may make this annex obsolete.

Additional general conditions are described in the table D.1 below.

**Table D.1: Additional condition table**

Identification	Definition
o.01	Repeat indicator "non-prioritised list" is present, only in case of the Facility item is a list of <<FACILITY>> information element.
o.02	Repeat indicator "non-prioritised list" is present, only in case of the IWU-to-IWU item is a list of <<IWU-to-IWU>> information element.
o.03	Repeat indicator "non-prioritised list" is present, only in case of the Progress indicator item is a list of <<PROGRESS INDICATOR>> information element.

### D.2 CC messages

The new format of the messages, provided below, allows the use of facility, progress indicator and lwu-to-lwu information elements.

Table D.2: ETS 300 476-4 [12], Table A.27: CC-SETUP receiving (P to F) supported

Prerequisite: A.25/1				
Item	CC-SETUP receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Portable identity	subclause 7.7.30	m	
3	Fixed identity	subclause 7.7.18	m	
4	Basic service	subclause 7.6.4	m	
5	IWU attributes	subclause 7.7.21	c2701	
6	Repeat indicator "prioritised list"	subclause 7.6.3	c2702	
7	Call attributes	subclause 7.7.5	c2701	
8	Repeat indicator "non-prioritised list"	subclause 7.6.3	c2703	
9	Connection attributes	subclause 7.7.11	c2707	
10	Cipher info	subclause 7.7.10	o	
11	Connection identity	subclause 7.7.12	o	
12	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
13	Facility	subclause 7.7.15	c02	
14	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
15	Progress Indicator	subclause 7.7.31	x	
16	Display	subclause 7.5.5	x	
17	Keypad	subclause 7.5.5	o	
18	Signal	subclause 7.6.8	x	
19	Feature Activate	subclause 7.7.16	c03	
20	Feature Indicate	subclause 7.7.17	x	
21	Network parameter	subclause 7.7.29	c04	
22	Terminal capability	subclause 7.7.41	o	
23	End-to-end compatibility	subclause 7.7.14	c2705	
24	Rate parameters	subclause 7.7.33	c2706	
25	Transit delay	subclause 7.7.42	c2708	
26	Window size	subclause 7.7.43	c2708	
27	Calling party number	subclause 7.7.9	o	
28	Called party number	subclause 7.7.7	o	
29	Called party subaddress	subclause 7.7.8	o	
30	Sending complete	subclause 7.6.2	c2704	
31	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
32	IWU-to-IWU	subclause 7.7.23	o.02	
33	IWU-PACKET	subclause 7.7.22	o	

c2701: IF A.136/3 = '1111'B THEN m ELSE x  
c2702: IF A.136/3 = '1111'B THEN o ELSE n/a  
c2703: IF A.24/1 THEN o ELSE n/a  
c2704: IF A.13/7 AND A.27/28 THEN o ELSE n/a  
c2705: IF A.251/26 = '00001'B THEN m ELSE o  
c2706: IF A.251/26 = ('00001'B OR '00111'B OR '01000'B OR '01001'B) THEN m ELSE o  
c2707: IF A.18/04 THEN o ELSE n/a  
c2708: IF A.24/3 THEN o.2701 ELSE n/a  
o.2701: It is mandatory to support at least one of these options

Table D.3: ETS 300 476-4 [12], Table A.28: CC-SETUP sending (F to P) supported

Prerequisite: A.26/1				
Item	CC-SETUP sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Portable identity	subclause 7.7.30	m	
3	Fixed identity	subclause 7.7.18	m	
4	Basic service	subclause 7.6.4	m	
5	IWU attributes	subclause 7.7.21	c2801	
6	Repeat indicator "prioritised list"	subclause 7.6.3	c2802	
7	Call attributes	subclause 7.7.5	c2801	
8	Repeat indicator "prioritised list"	subclause 7.6.3	c2803	
9	Connection attributes	subclause 7.7.11	c2807	
10	Cipher info	subclause 7.7.10	o	
11	Connection identity	subclause 7.7.12	o	
12	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
13	Facility	subclause 7.7.15	c05	
14	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.03	
15	Progress Indicator	subclause 7.7.31	c08	
16	Display	subclause 7.5.5	c07	
17	Keypad	subclause 7.5.5	n/a	
18	Signal	subclause 7.6.8	c015	
19	Feature Activate	subclause 7.7.16	n/a	
20	Feature Indicate	subclause 7.7.17	c06	
21	Network parameter	subclause 7.7.29	n/a	
22	Terminal capability	subclause 7.7.41	n/a	
23	End-to-end compatibility	subclause 7.7.14	c2805	
24	Rate parameters	subclause 7.7.33	c2806	
25	Transit delay	subclause 7.7.42	c2808	
26	Window size	subclause 7.7.43	c2808	
27	Calling party number	subclause 7.7.9	c2804	
38	Called party number	subclause 7.7.7	o	
29	Called party subaddress	subclause 7.7.8	o	
30	Sending complete	subclause 7.6.2	o	
31	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
32	IWU-to-IWU	subclause 7.7.23	o.02	
33	IWU-PACKET	subclause 7.7.22	o	

c2801: IF A.136/3 = '1111'B THEN m ELSE n/a

c2802: IF A.136/3 = '1111'B THEN m ELSE n/a

c2803: IF A.24/1 THEN m ELSE n/a

c2804: IF A.15/8 THEN m ELSE n/a

c2805: IF A.251/26 = '00001'B THEN m ELSE o

c2806: IF A.251/26 = ('00001'B OR '00111'B OR '01000'B OR '01001'B) THEN m ELSE o

c2807: IF A.18/11 THEN o ELSE n/a

c2708: IF A.24/3 THEN o.2801 ELSE n/a

o.2801: It is mandatory to support at least one of these options



Table D.4: ETS 300 476-4 [12], Table A.29: CC-INFO receiving (P to F) supported

Prerequisite: A.25/2				
Item	CC-INFO receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Location area	subclause 7.7.25	c04	
3	NWK assigned identity	subclause 7.7.28	c04	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
5	Facility	subclause 7.7.15	c02	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
7	Progress Indicator	subclause 7.7.31	x	
8	Display	subclause 7.5.5	x	
9	Keypad	subclause 7.5.5	c2901	
10	Signal	subclause 7.6.8	x	
11	Feature activate	subclause 7.7.16	c03	
12	Feature indicate	subclause 7.7.17	x	
13	Network parameter	subclause 7.7.29	c04	
14	Called party number	subclause 7.7.7	c2901	
15	Called party subaddress	subclause 7.7.8	c2902	
16	Sending complete	subclause 7.6.2	c2903	
17	Test hook control	subclause 7.6.10	x	
18	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
19	IWU-to-IWU	subclause 7.7.23	o.02	
20	IWU-packet	subclause 7.7.22	o	

c2901: IF A.18/6 THEN o.2901 ELSE o

c2902: IF A.29/14 THEN o ELSE n/a

c2903: IF A.13/7 AND A.29/14 THEN m ELSE n/a

o.2901: It is mandatory to support exactly one of these options

Table D.5: ETS 300 476-4 [12], Table A.30: CC-INFO sending (F to P) supported

Prerequisite: A.26/2				
Item	CC-INFO sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Location area	subclause 7.7.25	n/a	
3	NWK assigned identity	subclause 7.7.28	n/a	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
5	Facility	subclause 7.7.15	c05	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.03	
7	Progress Indicator	subclause 7.7.31	c08	
8	Display	subclause 7.5.5	c07	
9	Keypad	subclause 7.5.5	n/a	
10	Signal	subclause 7.6.8	c015	
11	Feature activate	subclause 7.7.16	n/a	
12	Feature indicate	subclause 7.7.17	c06	
13	Network parameter	subclause 7.7.29	n/a	
14	Called party number	subclause 7.7.7	o	
15	Called party subaddress	subclause 7.7.8	o	
16	Sending complete	subclause 7.6.2	o	
17	Test hook control	subclause 7.6.10	o	
18	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
19	IWU-to-IWU	subclause 7.7.23	o.02	
20	IWU-packet	subclause 7.7.22	o	

**Table D.6: ETS 300 476-4 [12], Table A.31: CC-SETUP-ACK sending (F to P) supported**

Prerequisite: A.26/3				
Item	CC-SETUP-ACK sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Info type	subclause 7.7.20	c04	
3	Portable identity	subclause 7.7.30	o	
4	Fixed identity	subclause 7.7.18	o	
5	Location area	subclause 7.7.25	o	
6	Call attributes	subclause 7.7.5	c01	
7	Connection identity	subclause 7.7.12	o	
8	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
9	Facility	subclause 7.7.15	c05	
10	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.03	
11	Progress indicator	subclause 7.7.31	c08	
12	Display	subclause 7.5.5	c07	
13	Signal	subclause 7.6.8	c015	
14	Feature indicate	subclause 7.7.17	c06	
15	Transit delay	subclause 7.7.42	c09	
16	Window size	subclause 7.7.43	c10	
17	Delimiter request	subclause 7.6.2	c3101	
18	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
19	IWU-to-IWU	subclause 7.7.23	o.02	
20	IWU-packet	subclause 7.7.22	o	

c3101: IF A.13/8 THEN m ELSE n/a

**Table D.7: ETS 300 476-4 [12], Table A.32: CC-CALL-PROC sending (F to P) supported**

Prerequisite: A.26/4				
Item	CC-CALL-PROC sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Call attributes	subclause 7.7.11	c01	
3	Connection identity	subclause 7.7.12	o	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
5	Facility	subclause 7.7.15	c05	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.03	
7	Progress indicator	subclause 7.7.31	c08	
8	Display	subclause 7.5.5	c07	
9	Signal	subclause 7.6.8	c015	
10	Feature indicate	subclause 7.7.17	c06	
11	Transit delay	subclause 7.7.42	c09	
12	Window size	subclause 7.7.43	c10	
13	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
14	IWU-to-IWU	subclause 7.7.23	o.02	
15	IWU-PACKET	subclause 7.7.22	o	

Table D.8: ETS 300 476-4 [12], Table A.33: CC-ALERTING receiving (P to F) supported

Prerequisite: A.25/5				
Item	CC-ALERTING receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Call attributes	subclause 7.7.11	c01	
3	Connection identity	subclause 7.7.12	o	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
5	Facility	subclause 7.7.15	o	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
7	Progress Indicator	subclause 7.7.31	x	
8	Display	subclause 7.5.5	x	
9	Signal	subclause 7.6.8	x	
10	Feature indicate	subclause 7.7.17	x	
11	Terminal capability	subclause 7.7.41	o	
12	Transit delay	subclause 7.7.42	c11	
13	Window size	subclause 7.7.43	c12	
14	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
15	IWU-to-IWU	subclause 7.7.23	o	
16	IWU-PACKET	subclause 7.7.22	o	

Table D.9: ETS 300 476-4 [12], Table A.34: CC-ALERTING sending (F to P) supported

Prerequisite: A.26/5				
Item	CC-ALERTING sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Call attributes	subclause 7.7.11	c01	
3	Connection identity	subclause 7.7.12	o	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
5	Facility	subclause 7.7.15	c05	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.03	
7	Progress Indicator	subclause 7.7.31	c08	
8	Display	subclause 7.5.5	c07	
9	Signal	subclause 7.6.8	c015	
10	Feature indicate	subclause 7.7.17	c06	
11	Terminal capability	subclause 7.7.41	n/a	
12	Transit delay	subclause 7.7.42	c09	
13	Window size	subclause 7.7.43	c10	
14	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
15	IWU-to-IWU	subclause 7.7.23	o.02	
16	IWU-PACKET	subclause 7.7.22	o	

Table D.10: ETS 300 476-4 [12], Table A.35: CC-CONNECT receiving (P to F) supported

Prerequisite: A.25/6				
Item	CC-CONNECT receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Call attributes	subclause 7.7.11	c01	
3	Connection identity	subclause 7.7.12	o	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
5	Facility	subclause 7.7.15	c02	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
7	Progress indicator	subclause 7.7.31	x	
8	Display	subclause 7.5.5	x	
9	Signal	subclause 7.6.8	x	
10	Feature indicate	subclause 7.7.17	x	
11	Terminal capability	subclause 7.7.41	o	
12	Transit delay	subclause 7.7.42	c11	
13	Window size	subclause 7.7.43	c12	
14	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
15	IWU-to-IWU	subclause 7.7.23	o	
16	IWU-PACKET	subclause 7.7.22	o	

Table D.11: ETS 300 476-4 [12], Table A.36: CC-CONNECT sending (F to P) supported

Prerequisite: A.26/6				
Item	CC-CONNECT sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Call attributes	subclause 7.7.11	c01	
3	Connection identity	subclause 7.7.12	o	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
5	Facility	subclause 7.7.15	c05	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.03	
7	Progress indicator	subclause 7.7.31	c08	
8	Display	subclause 7.5.5	c07	
9	Signal	subclause 7.6.8	c015	
10	Feature indicate	subclause 7.7.17	c06	
11	Terminal capability	subclause 7.7.41	n/a	
12	Transit delay	subclause 7.7.42	c09	
13	Window size	subclause 7.7.43	c10	
14	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
15	IWU-to-IWU	subclause 7.7.23	o.02	
16	IWU-PACKET	subclause 7.7.22	o	

**Table D.12: ETS 300 476-4 [12], Table A.37: CC-CONNECT-ACK sending (F to P) supported**

Prerequisite: A.26/7				
Item	CC-CONNECT-ACK sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Display	subclause 7.5.5	c07	
3	Feature indicate	subclause 7.7.17	c06	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
5	IWU-to-IWU	subclause 7.7.23	o.02	
6	IWU-PACKET	subclause 7.7.22	o	

**Table D.13: ETS 300 476-4 [12], Table A.38: CC-RELEASE receiving (P to F) supported**

Prerequisite: A.25/8				
Item	CC-RELEASE receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Release reason	subclause 7.6.7	c13	
3	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
4	Facility	subclause 7.7.15	x	
5	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
6	Progress indicator	subclause 7.7.31	c08	
7	Display	subclause 7.5.5	x	
8	Feature indicate	subclause 7.7.17	x	
9	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
10	IWU-to-IWU	subclause 7.7.23	o	
11	IWU-PACKET	subclause 7.7.22	o	

**Table D.14: ETS 300 476-4 [12], Table A.39: CC-RELEASE sending (F to P) supported**

Prerequisite: A.26/8				
Item	CC-RELEASE sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Release reason	subclause 7.6.7	c13	
3	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
4	Facility	subclause 7.7.15	c05	
5	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.03	
6	Progress indicator	subclause 7.7.31	c08	
7	Display	subclause 7.5.5	c07	
8	Feature indicate	subclause 7.7.17	c06	
9	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
10	IWU-to-IWU	subclause 7.7.23	o.02	
11	IWU-PACKET	subclause 7.7.22	o	

Table D.15: ETS 300 476-4 [12], Table A.40: CC-RELEASE-COM receiving (P to F) supported

Prerequisite: A.25/9				
Item	CC-RELEASE-COM receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Release reason	subclause 7.6.7	o	
3	Identity type	subclause 7.7.19	x	
4	Location area	subclause 7.7.25	x	
5	IWU attributes	subclause 7.7.21	c4001	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
7	Facility	subclause 7.7.15	x	
8	Display	subclause 7.5.5	x	
9	Feature indicate	subclause 7.7.17	x	
10	Network parameter	subclause 7.7.29	x	
11	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
12	IWU-to-IWU	subclause 7.7.23	o	
13	IWU-PACKET	subclause 7.7.22	o	

c4001: IF A.24/2 THEN m ELSE n/a

Table D.16: ETS 300 476-4 [12], Table A.41: CC-RELEASE-COM sending (F to P) supported

Prerequisite: A.26/9				
Item	CC-RELEASE-COM sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Release reason	subclause 7.6.7	o	
3	Identity type	subclause 7.7.19	c14	
4	Location area	subclause 7.7.25	c14	
5	IWU attributes	subclause 7.7.21	c4101	
6	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
7	Facility	subclause 7.7.15	c05	
8	Display	subclause 7.5.5	c07	
9	Feature indicate	subclause 7.7.17	c06	
10	Network parameter	subclause 7.7.29	c14	
11	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
12	IWU-to-IWU	subclause 7.7.23	o.02	
13	IWU-PACKET	subclause 7.7.22	o	

### D.3 Connection Related Supplementary Service (CRSS) and Connection Independent Supplementary Service (CISS) messages

The new format of the messages, provided below, allows the use of facility, progress indicator and lwu-to-lwu information elements.

**Table D.17: ETS 300 476-4 [12], Table A.88: FACILITY-ciss receiving (P to F) supported**

Prerequisite: A.86/1				
Item	FACILITY-ciss receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
3	Facility	subclause 7.7.15	o	
4	Display	subclause 7.5.5	x	
5	Keypad	subclause 7.5.5	o	
6	Feature activate	subclause 7.7.16	o	
7	Feature indicate	subclause 7.7.17	x	
8	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
9	IWU to IWU	subclause 7.7.23	o	

**Table D.18: ETS 300 476-4 [12], Table A.89: FACILITY-ciss sending (F to P) supported**

Prerequisite: A.87/1				
Item	FACILITY-ciss sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
3	Facility	subclause 7.7.15	o.01	
4	Display	subclause 7.5.5	o	
5	Keypad	subclause 7.5.5	n/a	
6	Feature activate	subclause 7.7.16	n/a	
7	Feature indicate	subclause 7.7.17	o	
8	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
9	IWU to IWU	subclause 7.7.23	o.02	

**Table D.19: ETS 300 476-4 [12], Table A.95: HOLD-REJECT sending (F to P) supported**

Prerequisite: A.87/4				
Item	HOLD-REJECT sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Display	subclause 7.5.5	o	
3	Reject reason	subclause 7.7.34	o	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
5	IWU to IWU	subclause 7.7.23	o.02	

**Table D.20: ETS 300 476-4 [12], Table A.101: RETRIEVE-REJECT sending (F to P) supported**

Prerequisite: A.87/7				
Item	RETRIEVE-REJECT sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Display	subclause 7.5.5	o	
3	Reject reason	subclause 7.7.34	o	
4	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.02	
5	IWU to IWU	subclause 7.7.23	o.02	

**Table D.21: ETS 300 476-4 [12], Table A.102: CISS-REGISTER receiving (P to F) supported**

Prerequisite: A.86/8				
Item	CISS-REGISTER receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
3	Facility	subclause 7.7.15	o	
4	Display	subclause 7.5.5	x	
5	Keypad	subclause 7.5.5	o	
6	Feature activate	subclause 7.7.16	o	
7	Feature indicate	subclause 7.7.17	x	

**Table D.22: ETS 300 476-4 [12], Table A.103: CISS-REGISTER sending (F to P) supported**

Prerequisite: A.87/8				
Item	CISS-REGISTER sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
3	Facility	subclause 7.7.15	o.01	
3	Display	subclause 7.5.5	o	
4	Keypad	subclause 7.5.5	n/a	
5	Feature activate	subclause 7.7.16	n/a	
6	Feature indicate	subclause 7.7.17	o	

**Table D.23: ETS 300 476-4 [12], Table A.104: CISS-RELEASE-COM receiving (P to F) supported**

Prerequisite: A.86/9				
Item	CISS-RELEASE-COM receiving (P to F) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Release reason	subclause 7.6.7	o	
3	Repeat indicator "non-prioritised list"	subclause 7.6.3	x	
4	Facility	subclause 7.7.15	o	
5	Display	subclause 7.5.5	x	
6	Keypad	subclause 7.5.5	o	
7	Feature activate	subclause 7.7.16	o	
8	Feature indicate	subclause 7.7.17	x	



Table D.24: ETS 300 476-4 [12], Table A.105: CISS-RELEASE-COM sending (F to P) supported

Prerequisite: A.87/9				
Item	CISS-RELEASE-COM sending (F to P) Information element name	Reference	Status	Support
1	Message header	subclauses 7.2, 7.3, 7.4.1	m	
2	Release reason	subclause 7.6.7	o	
3	Repeat indicator "non-prioritised list"	subclause 7.6.3	o.01	
4	Facility	subclause 7.7.15	o.01	
5	Display	subclause 7.5.5	o	
6	Keypad	subclause 7.5.5	n/a	
7	Feature activate	subclause 7.7.16	n/a	
8	Feature indicate	subclause 7.7.17	o	

#### D.4 Information elements

In table A.209, the column "Value allowed" is updated for items 11, 14, 17, 20 to allow the use of LU7 identification and FU7 frame type.

**Table D.25: ETS 300 476-4 [12], Table A.209: Call attributes supported**

Prerequisite: A.27/7 OR A.33/2 OR A.35/2 OR A.28/7 OR A.31/6 OR A.32/2 OR A.34/2 OR A.36/2						
Item	Call attributes Name of field	Reference	Status	Support	Value allowed	Value supported
1	ID of call attributes	subclause 7.7.1	m		'00010011'B	
2	Length of Contents (L)	subclause 7.7.5	m		c20903	
3	Oct3_ext_bit	subclause 7.7.5	m		'1'B	
4	Coding standard	subclause 7.7.5	m		'00'B	
5	Network layer attributes	subclause 7.7.5	m		'00000'B, '00001'B	
6	Oct4_ext_bit	subclause 7.7.5	m		'1'B	
7	C-plane class	subclause 7.7.5	m		'000'B, '010'B, '100'B, '101'B	
8	C-plane routing	subclause 7.7.5	m		'0000'B, '0001'B, '0010'B, '0100'B, '1100'B	
9	Oct5_ext_bit	subclause 7.7.5	m		c20901	
10	U-plane symmetry	subclause 7.7.5	m		'00'B, '10'B	
11	LU identification (P => F direction)	subclause 7.7.5	m		'00001'B .. '00111'B, '10000'B	
12	Oct5a_ext_bit	subclause subclause 7.7.5	c20902		'1'B	
13	Oct5a_spare	subclause 7.7.5	c20902		'00'B	
14	LU identification (F => P direction)	subclause 7.7.5	c20902		'00001'B .. '00111'B, '10000'B	
15	Oct6_ext_bit	subclause 7.7.5	m		c20901	
16	U-plane class (P => F direction)	subclause 7.7.5	m		'000'B .. '010'B, '100'B .. '111'B	
17	U-plane frame type (P => F direction)	subclause 7.7.5	m		'0001'B .. '0111'B	
18	Oct6a_ext_bit	subclause 7.7.5	c20902		'1'B	
19	U-plane class (F => P direction)	subclause 7.7.5	c20902		'000'B .. '010'B, '100'B .. '111'B	
20	U-plane frame type (F => P direction)	subclause 7.7.5	c20902		'0001'B .. '0111'B	

c20901: IF A.209/10 = '10'B THEN ('0'B, '1'B) ELSE ('0'B)

c20902: IF A.209/10 = '10'B THEN m ELSE x

c20903: IF A.209/10 = '10'B THEN (0, 4, 6) ELSE (0, 4)

In table A.258, the column "Value allowed" is updated for item 5 to allow the use of a new protocol discriminator value.

**Table D.26: ETS 300 476-4 [12], Table A.258: IWU-to-IWU supported**

Prerequisite: A.27/33 OR A.29/16 OR A.33/12 OR A.35/12 OR A.38/6 OR A.40/10 OR A.49/4 OR A.55/6 OR A.60/7 OR A.64/7 OR A.66/7 OR A.71/5 OR A.72/4 OR A.73/14 OR A.78/9 OR A.81/8 OR A.108/10 OR A.110/6 OR A.114/4 OR A.116/4 OR A.118/7 OR A.122/8 OR A.28/34 OR A.30/17 OR A.32/12 OR A.34/13 OR A.36/13 OR A.37/5 OR A.39/7 OR A.41/11 OR A.50/5 OR A.53/14 OR A.70/5 OR A.74/6 OR A.76/6 OR A.79/8 OR A.82/7 OR A.83/5 OR A.109/10 OR A.111/6 OR A.115/4 OR A.117/4 OR A.119/7 OR A.123/8						
Item	IWU-to-IWU Name of field	Reference	Status	Support	Value allowed	Value supported
1	ID of IWU-to-IWU	subclause 7.7.1	m		'01110111'B	
2	Length of Contents (L)	subclause 7.7.23	m		0, A.258/6.len_o + 1	
3	Oct3_ext_bit	subclause 7.7.23	m		'1'B	
4	Send/reject	subclause 7.7.23	m		'0'B, '1'B	
5	Protocol Discriminator	subclause 7.7.23	m		'000000'B,  '000001'B,  '000010'B,  '000100'B,  '000111'B,  '001000'B,  '001001'B,  '001010'B,  '010000'B,  '010001'B,  '111111'B	
6	IWU to IWU information (group of octets)	subclause 7.7.23	m		len_o: 1 .. 254 val: '00000000'B .. '11111111'B	

In table A.285, the column "Value allowed" is updated for item 6 to allow the use of a new code point for "international network" ("10100"B).

**Table D.27: ETS 300 476-4 [12], Table A.285: Progress indicator supported**

Prerequisite: A.28/17 OR A.30/5 OR A.31/9 OR A.32/5 OR A.34/5 OR A.36/5						
Item	Progress indicator Name of field	Reference	Status	Support	Value allowed	Value supported
1	ID of progress indicator	subclause 7.7.1	m		'00011110'B	
2	Length of contents (L)	subclause 7.7.31	m		0, 2	
3	Oct3_ext_bit	subclause 7.7.31	m		'1'B	
4	Coding standard	subclause 7.7.31	m		'00'B .. '11'B	
5	Oct3_subfield	subclause 7.7.31	m		'0'B	
6	Location	subclause 7.7.31	m		'0000'B, .. '0010'B, '0100'B, '0101'B, '0111'B, '1010'B, '1111'B	
7	Oct4_ext_bit	subclause 7.7.31	m		'1'B	
8	Progress description	subclause 7.7.31	m		'0000001'B, '0000010'B, '0000011'B, '0000100'B, '0001000'B, '0001001'B	

## D.5 Timers and constants support

In table A.314, the column "Value allowed" is updated for item 2 to increase the value of the CC\_02 timer from 30 to 36 sec.

**Table D.28: ETS 300 476-4 [12], Table A.314: Timers and constants supported**

Item	Timers and constants	Reference	Status	Support	Value allowed	Value supported
1	CC.01	A.1	n/a		-	
2	CC.02	A.1	c31401		36 sec	
3	CC.03	A.1	c31402		20 sec	
4	CC.04	A.1	c31403		100 sec	
5	CC.05	A.1	c31404		10 sec	
6	COMS.00	A.3	c31405		5 sec	
7	COMS.01	A.3	c31406		2 sec	
8	COMS.02	A.3	c31407		10 sec	
9	COMS.03	A.3	c31408		10 sec	
10	CLMS.00	A.4	c31409		5 sec	
11	MM_access.1	A.5	c31410		60 sec	
12	MM_access.2	A.5	c31411		20 sec	
13	MM_auth.1	A.5	c31412		10 sec	
14	MM_auth.2	A.5	n/a		-	
15	MM_cipher.1	A.5	n/a		-	
16	MM_cipher.2	A.5	c31413		10 sec	
17	MM_ident.1	A.5	n/a		-	
18	MM_ident.2	A.5	n/a		-	
19	MM_key.1	A.5	n/a		-	
20	MM_locate.1	A.5	c31414		20 sec	
21	MM_wait	A.5	c31415		5 min	
22	LCE.01	A.6	c31416		5 sec	
23	LCE.02	A.6	c31417		10 sec	
24	LCE.03	A.6	n/a		-	
25	LCE.04	A.6	c31418		5 sec	
26	N300	A.7	n/a		-	

c31401: IF A.18/31 THEN m ELSE n/a  
c31402: IF A.18/32 THEN m ELSE n/a  
c31403: IF A.18/33 THEN o ELSE n/a  
c31404: IF A.18/34 THEN m ELSE n/a  
c31405: IF A.21/10 THEN m ELSE n/a  
c31406: IF A.21/11 THEN m ELSE n/a  
c31407: IF A.21/12 THEN m ELSE n/a  
c31408: IF A.21/13 THEN m ELSE n/a  
c31409: IF A.22/3 THEN m ELSE n/a  
c31410: IF A.19/22 THEN m ELSE n/a  
c31411: IF A.19/23 THEN m ELSE n/a  
c31412: IF A.19/24 THEN m ELSE n/a  
c31413: IF A.19/25 THEN m ELSE n/a  
c31414: IF A.19/26 THEN m ELSE n/a  
c31415: IF A.19/27 THEN m ELSE n/a  
c31416: IF A.23/11 THEN m ELSE n/a  
c31417: IF A.23/12 THEN m ELSE n/a  
c31418: IF A.23/13 THEN m ELSE n/a

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