



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 323-3

April 1994

Source: ETSI TC-RES

Reference: DE/RES-03020-3

ICS: 33.060.20

Key words: DECT, PAP

**Radio Equipment and Systems (RES);
Digital European Cordless Telecommunications (DECT)
Public Access Profile (PAP) test specification
Part 3: PT PICS proforma**

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

Copyright Notification: No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1994. All rights reserved.

Contents

Foreword	11
Introduction	11
1 Scope	13
2 Normative references	13
3 Terms and definitions	14
4 Abbreviations	14
5 Conformance requirement concerning PICS	15
Annex A (normative): PAP PICS Proforma for PT	16
A.1 Introduction for completing the PICS proforma	16
A.1.1 Purposes and structure	16
A.1.2 Symbols, abbreviations and conventions	16
A.1.2.1 Standardised symbols for the status column	16
A.1.2.2 Standardised symbols for the support column	17
A.1.2.3 The supported values column	17
A.1.3 Instructions for completing the PICS	17
A.2 Identification of the implementation	18
A.2.1 Date of statement	18
A.2.2 Identification of the implementation	18
A.2.3 Contact person	18
A.2.4 Relationship with the System Conformance Statement (SCS)	18
A.3 Identification of the protocol	18
A.3.1 Defect report numbers and amendments implemented	19
A.3.2 Addenda implemented	19
A.4 Global statement of conformance	19
A.5 Capabilities	20
A.5.1 Features	20
A.5.2 Protocol parameters	23
A.5.2.1 Timer support	23
A.5.2.2 System wide parameters	24
A.5.2.3 Other parameters	25
A.5.3 Messages	25
A.5.3.1 Call control messages	25
A.5.3.2 Connection-related & connection independent supplement service messages	42
A.5.3.3 Connection-oriented message service messages	49
A.5.3.4 Connectionless message service messages	54
A.5.3.5 Mobility management messages	56
A.5.3.6 Link control entity messages	72
A.5.4 Information elements	75
A.5.4.1 Fixed length information element support	78
A.5.4.2 Variable length information element support	82
A.5.4.3 B-Format message structure support	129
A.5.5 Procedure support	133
A.5.6 Negotiation capabilities	137

A.5.7	Multi-layer dependencies	139
A.5.8	Real effects features	139
A.5.9	Application questions	139
History		142

Questions

Q.1	Date of Statement	18
Q.2	Identification of implementation	18
Q.3	contact person	18
Q.4	Relationship with SCS	18
Q.5	Identification of protocol	18
Q.6	Defect report and amendments number	19
Q.7	Addenda implemented	19
Q.8	Global statement of conformance	19
Q.9	Features support	20
Q.10.1	Timer support	24
Q.10.2	Protocol parameters	24
Q.11	CC Message support	25
Q.11.1	CC-SETUP	26
Q.11.2.1	CC-INFO DURING ESTABLISHMENT, states T-02	28
Q.11.2.2	CC-INFO DURING ESTABLISHMENT, states T-03,T-04	29
Q.11.2.3	CC-INFO DURING ESTABLISHMENT, states T-07,T-08	30
Q.11.2.4	CC-INFO DURING CONNECTION, state T-10	31
Q.11.2.5	CC-INFO DURING CONNECTION, state T-19	32
Q.11.3	CC-SETUP-ACKnowledge	33
Q.11.4	CC-CALL-PROCeeding	34
Q.11.5	CC-ALERTING	35
Q.11.6	CC-CONNECT	36
Q.11.7	CC-CONNECT-ACKnowledge	37
Q.11.8	CC-RELEASE	37
Q.11.9	CC-RELEASE-COMplete	38
Q.11.10	CC-SERVICE-CHANGE	39
Q.11.11	CC-SERVICE-ACCEPT	39
Q.11.12	CC-SERVICE-REJECT	40
Q.11.13	CC-NOTIFY	40
Q.11.14	IWU-INFOmation	41
Q.12	CRSS & CISS message support	42
Q.12.1	FACILITY-crss	43
Q.12.2	HOLD	43
Q.12.3	HOLD-ACKnowledge	44
Q.12.4	HOLD-REJECT	44
Q.12.5	RETRIEVE	45
Q.12.6	RETRIEVE-ACKnowledge	45
Q.12.7	RETRIEVE-REJECT	46
Q.12.8	CISS-REGISTER	46
Q.12.9	CISS-RELEASE-COMplete	47
Q.12.10	FACILITY-ciss	48
Q.13	COMS message support	49
Q.13.1	COMS-SETUP	50
Q.13.2	COMS-INFOmation	51
Q.13.3	COMS-ACKnowledge	51
Q.13.4	COMS-CONNECT	52
Q.13.5	COMS-RELEASE	52
Q.13.6	COMS-RELEASE-COMplete	53
Q.14	CLMS message support	54
Q.14.1	CLMS-VARIABLE	55
Q.15	MM message support	56
Q.15.1	ACCESS-RIGHTS-ACCEPT	57
Q.15.2	ACCESS-RIGHTS-REJECT	57
Q.15.3	ACCESS-RIGHTS-REQUEST	58
Q.15.4	ACCESS-RIGHTS-TERMINATE-ACCEPT	58
Q.15.5	ACCESS-RIGHTS-TERMINATE-REJECT	59
Q.15.6	ACCESS-RIGHTS-TERMINATE-REQUEST	59
Q.15.7	AUTHentication-REJECT	60

Q.15.8	AUTHentication-REPLY	60
Q.15.9	AUTHentication-REQUEST	61
Q.15.10	CIPHER-REJECT	61
Q.15.11	CIPHER-REQUEST	62
Q.15.12	CIPHER-SUGGEST	62
Q.15.13	DETACH	63
Q.15.14	IDENTITY-REPLY	63
Q.15.15	IDENTITY-REQUEST	64
Q.15.16	KEY-ALLOCATE	64
Q.15.17	LOCATE-ACCEPT	65
Q.15.18	LOCATE-REJECT	65
Q.15.19	LOCATE-REQUEST	66
Q.15.20	MM-INFO-ACCEPT	67
Q.15.21	MM-INFO-REJECT	67
Q.15.22	MM-INFO-REQUEST	68
Q.15.23	MM-INFO-SUGGEST	69
Q.15.24	TEMPORARY-IDENTITY-ASSIGN	70
Q.15.25	TEMPORARY-IDENTITY-ASSIGN-ACKnowledge	70
Q.15.26	TEMPORARY-IDENTITY-ASSIGN-REJect	71
Q.16	LCE message support	72
Q.16.1	LCE-PAGE-RESPONSE	73
Q.16.2	LCE-PAGE-REJECT	73
Q.16.3	LCE-REQUEST-PAGE-B-format	74
Q.16.3a	LCE header values	74
Q.17	Information element support	75
Q.18	Escape support	78
Q.19	Codeset shift implemented	78
Q.19a	Codeset shift code values	78
Q.20.1	Sending complete implemented	78
Q.20.2	Delimiter request implemented	78
Q.21.1	Repeat indicator (non prioritised list) implemented	79
Q.21.2	Repeat indicator (prioritised list) implemented	79
Q.22	Basic service implemented	79
Q.22a	Call class values	79
Q.22b	Basic service values	79
Q.23	Single-display implemented	80
Q.24	Single-keypad implemented	80
Q.25	Release-reason implemented	80
Q.25a	Release reason code values	80
Q.26	Signal implemented	80
Q.26a	Signal value values	81
Q.27	Timer restart implemented	81
Q.28	Test hook control implemented	81
Q.28a	Hook value values	81
Q.29	Escape implemented	81
Q.30	Allocation type implemented	82
Q.30a	User Authentication Key (UAK) number values	82
Q.30b	Authentication Code (AC) number values	82
Q.31	Alphanumeric implemented (general)	82
Q.31a	Character type values	83
Q.31b	Odd/even values	83
Q.31c	Character set values	83
Q.31.1	Alphanumeric implemented (standard 8-bit)	83
Q.31.1a	Character set values	83
Q.31.2	Alphanumeric implemented (standard 4-bit)	84
Q.31.2a	Odd/even values	84
Q.31.2b	Character set values	84
Q.32	General Auth-type implemented	84
Q.32a	Authentication algorithm identifier values	84
Q.32b	Authentication key type values	84
Q.32c	Authentication key number values	85
Q.32d	INCRement bit values	85
Q.32e	TXC bit values	85

Q.32f	Cipher key number values.....	85
Q.33	Call attributes implemented.....	86
Q.34	Call identity implemented.....	86
Q.34a	Transaction Flag (F) values.....	86
Q.34b	Transaction value (TV) values.....	86
Q.35	Called party number implemented.....	87
Q.35a	Number type values.....	87
Q.35b	Numbering plan identification values.....	87
Q.35c	Called party address values.....	87
Q.36	Called party subaddress implemented.....	88
Q.37	Calling party number implemented.....	88
Q.37a	Number type values.....	88
Q.37b	Numbering plan identification values.....	88
Q.37c	Called party address values.....	89
Q.38	Cipher info implemented.....	89
Q.38a	Enable ciphering values.....	89
Q.38b	Cipher algorithm identifier values.....	89
Q.38c	Cipher key type values.....	89
Q.38d	Cipher key number values.....	90
Q.39	Connection attributes implemented.....	90
Q.40	Connection identity implemented.....	90
Q.41	Duration implemented.....	91
Q.41a	Lock limits values.....	91
Q.41b	Time limits values.....	91
Q.41c	Time duration values.....	91
Q.42	End-to-end compatibility implemented.....	92
Q.43	Facility implemented.....	92
Q.44	Feature activate implemented.....	92
Q.44a	Feature values.....	93
Q.44.1	Feature - echo control activate implemented.....	93
Q.44.2	Feature - cost information activate implemented.....	93
Q.45	Feature indicate implemented.....	94
Q.45a	Feature values.....	94
Q.45b	Status indicator values.....	94
Q.45.1	Feature - indication of subscriber number indicate implemented.....	95
Q.45.1a	Status indicator values.....	95
Q.45.2	Feature - echo control indicate implemented.....	95
Q.45.2a	Status indicator values.....	95
Q.45.3	Feature - cost information indicate implemented.....	96
Q.45.3a	Status indicator values.....	96
Q.46	Fixed identity implemented.....	96
Q.46a	Fixed identity implemented.....	96
Q.46.1	Fixed identity - Type of ARI & Class A.....	97
Q.46.1a	ARD-EMC values.....	97
Q.46.1b	ARD-FPN values.....	97
Q.46.2	Fixed identity - Type of ARI & Class B.....	97
Q.46.2a	ARD-EIC values.....	98
Q.46.2b	ARD-FPN values.....	98
Q.46.2c	ARD-FPS values.....	98
Q.46.3	Fixed identity - Type of ARI & Class C.....	98
Q.46.3a	ARD-POC values.....	98
Q.46.3b	ARD-FPN values.....	98
Q.46.3c	ARD-FPS values.....	98
Q.46.4	Fixed identity - Type of ARI & Class D.....	99
Q.46.5	Fixed identity - Type of ARI+RPN & Class A.....	99
Q.46.5a	ARD-EMC values.....	99
Q.46.5b	ARD-FPN values.....	99
Q.46.5c	RPN values.....	100
Q.46.6	Fixed identity - Type of ARI+RPN & Class B.....	100
Q.46.6a	ARD-EIC values.....	100
Q.46.6b	ARD-FPN values.....	100
Q.46.6c	ARD-FPS values.....	100
Q.46.6d	RPN values.....	100

Q.46.7	Fixed identity - Type of ARI+RPN & Class C	101
Q.46.7a	ARD-POC values	101
Q.46.7b	ARD-FPN values	101
Q.46.7c	ARD-FPS values	101
Q.46.7d	RPN-LBS values	101
Q.46.7e	RPN-7-MBS values	101
Q.46.8	Fixed identity - Type of ARI+RPN & Class D	102
Q.46.9	Fixed identity - Type of PARK & Class A	102
Q.46.9a	ARD-EMC values	102
Q.46.9b	ARD-FPN values	102
Q.46.10	Fixed identity - Type of PARK & Class B	103
Q.46.10a	ARD-EIC values	103
Q.46.10b	ARD-FPN values	103
Q.46.10c	ARD-FPS values	103
Q.46.11	Fixed identity - Type of PARK & Class C	104
Q.46.11a	ARD-POC values	104
Q.46.11b	ARD-FPN values	104
Q.46.11c	ARD-FPS values	104
Q.46.12	Fixed identity - Type of PARK & Class D	105
Q.47	Identity type implemented	105
Q.47a	Identity group values	105
Q.47b	Type values	105
Q.47.1	Identity type (portable identity) implemented	106
Q.47.1a	Type values	106
Q.47.2	Identity type (fixed identity & PARK) implemented	106
Q.47.2a	Type values	106
Q.47.3	Identity type (network assigned identity) implemented	106
Q.47.3a	Type values	107
Q.48	Info type implemented	107
Q.48a	Parameter coding values	107
Q.49	IWU attributes implemented	108
Q.50	IWU packet implemented	108
Q.51	IWU-to-IWU implemented	109
Q.52	Key implemented	109
Q.52a	Length of Contents (L) values	109
Q.52b	Key data values	109
Q.53	Location area implemented	110
Q.53a	Location Information (LI) type values	110
Q.53b	Location area level values	110
Q.53c	Extended Location Information (ELI) values	110
Q.53d	GSM Location Area Code (LAC) values	110
Q.53e	GSM Cell Identity (CI) values	111
Q.54	Multi-display implemented	111
Q.54a	Display information values	111
Q.55	Multi-keypad implemented	111
Q.55a	Keypad information values	112
Q.56	Network assigned identity implemented	112
Q.56a	Length of identity value values	112
Q.56b	Identity value values	112
Q.57	Network parameter implemented	113
Q.57a	Discriminator values	113
Q.57b	Data field values	113
Q.58	Portable identity implemented	114
Q.58.1	Portable identity - types of IPUI-N & IPEI	114
Q.58.1a	Type values	115
Q.58.2	Portable identity - type of IPUI-O	115
Q.58.2a	Length of identity value values	115
Q.58.2b	Portable User Number (PUN) values	115
Q.58.3	Portable identity - type of IPUI-P	115
Q.58.3a	Length of identity value values	116
Q.58.3b	PUN-Public Operator Code values	116
Q.58.3c	PUN-ACCcount number values	116
Q.58.4	Portable identity - type IPUI-Q	116

Q.58.4a	Length of identity value values	116
Q.58.4b	PUN-BACN values	116
Q.58.5	Portable identity - type of IPUI-R	117
Q.58.5a	Length of identity value values	117
Q.58.5b	PUN-IMSI values	117
Q.58.6	Portable identity - type IPUI-S	117
Q.58.6a	Length of identity value values	117
Q.58.6b	PUN-ISDN/PSTN number values	118
Q.58.7	Portable identity - type of IPUI-T	118
Q.58.7a	Length of identity value values	118
Q.58.7b	PUN-EIC values	118
Q.58.7c	PUN values	118
Q.58.8	Portable identity - type IPUI-U	119
Q.58.8a	PUN-CACN values	119
Q.58.9	Portable identity - type default individual TPUI	119
Q.58.9a	Last 16 bits values	119
Q.58.10	Portable identity - type assigned individual TPUI	120
Q.58.10a	First 4 bit values	120
Q.58.10b	Second 4 bit values	120
Q.58.10c	Last 12 bits values	120
Q.58.11	Portable identity - type connectionless group TPUI	120
Q.58.11a	Last 12 bits values	121
Q.58.12	Portable identity - type call group TPUI	121
Q.58.12a	Last 12 bits values	121
Q.59	Progress indicator implemented	121
Q.59a	Coding standard values	121
Q.59b	Progress description values	122
Q.60	Rand implemented	122
Q.60a	Length of contents (L) values	122
Q.60b	Rand value values	122
Q.61	Rate parameters implemented	123
Q.62	Reject reason implemented	123
Q.62a	Reject reason values	124
Q.63	RES implemented	124
Q.63a	Length of contents (L) values	124
Q.63b	RES value values	124
Q.64	RS implemented	124
Q.64a	Length of contents (L) values	125
Q.64b	RS value values	125
Q.65	Segmented info implemented	125
Q.66	Service change info implemented	125
Q.67	Service class implemented	125
Q.67a	Service class values	126
Q.68	Setup capability implemented	126
Q.68a	Length of contents (L) values	126
Q.68b	Setup capability values	126
Q.68c	Paging capability values	126
Q.69	Terminal capability implemented	127
Q.70	Transit delay implemented	128
Q.71	Window size implemented	128
Q.72	ZAP field implemented	128
Q.72a	ZAP value values	128
Q.73	Escape to proprietary implemented	128
Q.74	Escape for extension implemented	129
Q.75	Short TPUI address of LCE-request paging message implemented	129
Q.75a	LCE header values	129
Q.75b	TPUI address (lowest 16 bits) values	129
Q.76	Long TPUI address of LCE-request paging message implemented	130
Q.76a	LCE header values	130
Q.76b	Attributes values	130
Q.76c	TPUI address (complete 20 bits) values	130
Q.76d	Target bearers values	130
Q.76e	MAC packet life values	130

Q.77	Long IPUI address of LCE-request paging message implemented.....	131
Q.77a	LCE header values	131
Q.77b	IPUI class (PUT) values.....	131
Q.77c	IPUI address (PUN lowest 28 bits) values	131
Q.78	Single section of CLMS-fixed long format message Implemented.....	132
Q.79.1	Address section of CLMS-fixed extended format message implemented.....	132
Q.79.2	Data section of CLMS-fixed extended format message implemented	133
Q.80	Procedure support	133
Q.81	Error & exception handling procedure support	137
Q.82	Negotiation capabilities	138
Q.83	Multi-layer dependencies	139
Q.84	Real effects feature support.....	139
Q.85	Dialling type.....	140
Q.86	PT initiated parameter retrieval parameter type support	140
Q.87	Other feature.....	141

Foreword

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

Annex A forms an integral part of this specification.

The PAP test specification ETS comprises seven parts:

- Part 1: Overview.
- Part 2: Portable radio Termination (PT) Abstract Test Suite (ATS) - versions available in both ISO 9646 TTCN.MP format (electronic) and TTCN.GR format (paper).
- Part 3: Portable radio Termination (PT) Protocol Implementation Conformance Statement (PICS) proforma.**
- Part 4: Portable radio Termination (PT) Protocol Implementation eXtra Information for Testing (PIXIT) proforma.
- Part 5: Fixed radio Termination (FT) Abstract Test Suite (ATS) - versions available in both ISO 9646 TTCN.MP format (electronic) and TTCN.GR format (paper).
- Part 6: Fixed radio Termination (FT) Protocol Implementation Conformance Statement (PICS) proforma.
- Part 7: Fixed radio Termination (FT) Protocol Implementation eXtra Information for Testing (PIXIT) proforma.

Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options that have been implemented for the relevant protocol. Such a statement is called a Protocol Implementation Conformance Statement (PICS).

The supplier or a protocol implementation which is claimed to conform to ETS 300 175-9 [9] should complete a copy of the PICS proforma provided in Annex A, and should provide the information necessary to identify both the supplier and the implementation.

Blank page

1 Scope

This European Telecommunication Standard (ETS) provides a PICS proforma for the network layer protocol requirements of ETS 300 175-9 [9] in compliance with the relevant requirements, and in accordance with the relevant guidance, given in ISO/IEC 9646-7 [14].

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 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 1: Overview".
- [2] ETS 300 175-2 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 2: Physical Layer".
- [3] ETS 300 175-3 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 3: Medium Access Control Layer".
- [4] ETS 300 175-4 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 4: Data Link Control Layer".
- [5] ETS 300 175-5 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 5: Network Layer".
- [6] ETS 300 175-6 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 6: Identities and addressing".
- [7] ETS 300 175-7 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 7: Security Features".
- [8] ETS 300 175-8 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 8: Speech Coding and Transmission".
- [9] ETS 300 175-9 (1992): "Radio Equipment and Systems Digital European Cordless Telecommunications Common Interface Part 9: Public Access Profile".
- [10] ISO/IEC 9646-1 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework -Part 1: General concepts". (See also X.290 (1991)).
- [11] ISO/IEC 9646-2 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework -Part 2: Abstract test suite specification". (See also X.291 (1991)).
- [12] ISO/IEC 9646-3 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework -Part 3: The Tree and Tabular Combined Notation". (See also X.292 (1992)).
- [13] ISO/IEC 9646-6 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework -Part 6: Protocol Profile Test Specification".

[14] ISO/IEC 9646-7 (1992): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework -Part 7: Implementation Conformance Statements (Working draft for CD 9646-7)".

3 Terms and definitions

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

- a) the terms defined in ISO/IEC 9646-7 [14];
- b) the definitions in ETS 300 175-1 [1]; and
- c) the following terms defined in ISO/IEC 9646-1 [10]:
 - PICS proforma;
 - Protocol Implementation Conformance Statement (PICS).

4 Abbreviations

For the purposes of this ETS, the abbreviations defined in ISO/IEC 9646-1 [10], the network layer abbreviations defined in ETS 300 175-5 [5], and the following abbreviations apply.

ACC	ACCcount number
BACN	BCD coded Bank ACcount Number
CACN	BCD coded Credit card ACcount Number
CF	higher layer signalling Channel (Fast)
CI(GSM)	GSM Cell Identity
CLF	higher layer ConnectionLess channel (Fast)
CLS	higher layer ConnectionLess channel (Slow)
CTS	Conformance Testing Service
CS	higher layer signalling Channel (Slow)
DECT	Digital European Cordless Telecommunications
EEH	protocol Error and Exception Handling
EIC	Equipment Installer's Code
EMC	Equipment Manufacturer's Code
ELI	Extended Location Information
ETSI	European Telecommunications Standards Institute
ext	extension or extended
FPN	Fixed Part Number
FPS	Fixed Part Subnumber
GF	hiGher layer inFOrmation control channel
GOP	GSM OPerator code
IMSI	GSM International Mobile Subscriber Identity
IN	higher layer INformation channel (unprotected)
INFO	INFOrmation
IP	higher layer Information channel (Protected)
LAC	GSM Location Area Code
MI	Message type
MCC	GSM Mobile Country Code
MNC	GSM Mobile Network Code
NSAP	Network Service Access Point
PD	Protocol Discriminator
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
POC	Public Operator Code
RPN	Radio fixed Part Number
SIN	higher layer connectionless channel (unprotected)
SCS	System Conformance Statement
SDU	Service Data Unit
TMSI	GSM Temporary Mobile Subscriber Identity
TV	Transaction Value
TVX	eXtended Transaction Value

5 Conformance requirement concerning PICS

The supplier of a protocol implementation which is claimed to conform to the network layer requirements of ETS 300 175-9 [9] shall complete a copy of the PICS proforma provided in Annex A and shall provide the information necessary to identify both the supplier and the implementation.

Annex A (normative): PAP PICS Proforma for PT

A.1 Introduction for completing the PICS proforma

Notwithstanding the provisions of the copyright Clause related to the text of the present ETS (see front page), ETSI grants users of this ETS to freely reproduce the PICS Proforma in this Annex so that it can be used for its intended purposes and may further publish the completed PICS.

A.1.1 Purposes and structure

The purpose of this PICS is to provide a mechanism whereby a supplier of an implementation of the network layer requirements of ETS 300 175-9 [9]: PAP may provide information in a standard form.

The PICS proforma is subdivided into sections for the following categories of information:

- a) implementation details;
- b) protocol details;
- c) overall conformance claims;
- d) implementation capabilities:
 - services;
 - protocol parameter;
 - messages;
 - information elements;
 - procedures;
 - negotiation capabilities;
 - multilayer dependencies.

A.1.2 Symbols, abbreviations and conventions

The PICS proforma contained in this Annex is comprised of information in a tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [14].

A.1.2.1 Standardised symbols for the status column

The standardised symbols for the status column are as follows:

- m or M for mandatory (the capability is required to be implemented);
- o or O for optional (Boolean) (the capability may be implemented);
- i or I for out-of-scope (the capability is allowed to be implemented but it is irrelevant and not subject for testing);
- x or X for prohibited or excluded (the capability may be allowed to be implemented in the base standard but in the PAP protocol it is not allowed);
- n/a, N/A or - (dash) for not applicable (the capability is not allowed because the underlying DECT layers (service provider) cannot handle it or the requirement belongs to an application i.e. does not belong to the network layer);
- c or C for conditional (the capability depends on the selection of other optional or/and conditional items).

If appropriate, a "C" followed by an integer is placed in the status column, providing a reference to a conditional status expression defined elsewhere in the PICS proforma.

A.1.2.2 Standardised symbols for the support column

The standardised symbols for the support column are as follows:

- Y, y, or Yes for implemented;
- N, n, or No for not implemented.

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.

A.1.2.3 The supported values column

A "supported" values column, if appropriate, in which the values or ranges of values supported can be indicated, as well as type and length, if relevant.

A.1.3 Instructions for completing the PICS

The supplier of the implementation shall enter an explicit statement in each of the boxes provided using the notation described in subclause A.1.2. Specific instruction is provided in the text which precedes each table.

References within tables are to ETS 300 175-5 [5]: Network Layer (NL), except where explicitly stated. Although references are to ETS 300 175-5 [5], in the case of conflict the requirements of ETS 300175-9 [9]: PAP Clauses 5 and 6 shall take precedence.

NOTE: Where there are repeated fields within an information element the field number changes. Where there are different field value status for the same field the field is repeated with the same field number. For information elements, out-of-scope (I) means that a field may be present but its contents can be ignored.

A.2 Identification of the implementation

A.2.1 Date of statement

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

Q.1 Date of statement

Date of statement		
Day	Month	Year

A.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 box below.

Q.2 Identification of implementation

Identification of implementation	
Name of Implementation	
Name of System	International Portable Equipment Identity (IPEI):

A.2.3 Contact person

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

Q.3 Contact person

Contact person	
Name	
Address	
Phone No.	
Fax No.	

A.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 system conformance statement for the system, in the box below.

Q.4 Relationship with SCS

--

A.3 Identification of the protocol

The supplier of the implementation shall enter the title, reference number and date of the publication of the ETS DECT CI-Specification to which conformance is claimed, in the box below.

Q.5 Identification of protocol

Identification of profile	
Title of specification	
Reference no.	
Date of Publication	

A.3.1 Defect report numbers and amendments implemented

The supplier of the implementation shall enter the reference number of implementation defect reports or corresponding amendment documents which modify the specification to ETS 300 175-9 [9]: PAP Layer, in the box below.

Q.6 Defect report and amendments number

Modification of specification	
Defect report no.	Amendment no.

A.3.2 Addenda implemented

The supplier of the implementation shall enter the titles and the reference number of implemented addenda to ETS 300 175-9 [9]: PAP, in the box below.

Q.7 Addenda implemented

Addenda implemented	
Title	Reference no.

A.4 Global statement of conformance

The supplier of the implementation shall state whether or not all mandatory capabilities are implemented for ETS 300 175-9 [9]: PAP.

Q.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 PICS, with an explanation of why the implementation is non-conforming.

A.5 Capabilities

A.5.1 Features

The supplier of the implementation shall state the support of the feature of the implementation, in the box below.

Q.9 Features support

Features supported				
Item no.	Name of feature	Ref.	Status	Support
0	Outgoing call	part 9: 5.2.1	M	
1	Duplex speech - 32 kbit/s ADPCM	part 9: 4.1.1	M	
2	Bell on	part 9: 4.1.2	M	
3	Bell off	part 9: 4.1.3	M	
4	Off hook	part 9: 4.1.4	M	
5	On hook (full release)	part 9: 4.1.5	M	
6	Partial release	part 9: 4.1.6	O	
7	Dialled digits basic	part 9: 4.1.7	M	
8	Dialled digits additional	part 9: 4.1.8	O	
9	Dialling delimiter	part 9: 4.1.9	O	
10	Dialling delimiter request	part 9: 4.1.10	O	
11	Register recall	part 9: 4.1.11	M	
12	Go to DTMF	part 9: 4.1.12	O	
13	Go to pulse	part 9: 4.1.13	O	
14	Pause	part 9: 4.1.14	O	
15_a	Specific trunk carrier selection- CRSS	part 9: 5.2.15	O	
15_b	Specific trunk carrier selection- CISS	part 9: 5.2.15	O	
16	Incoming call	part 9: 4.1.16	M	
17_o	Hold call (PT to FT)	part 9: 4.1.17	C91	
17_i	Hold call (FT to PT)	part 9: 4.1.17	C93	
18_o	Re-connection of held call (PT to FT)	part 9: 4.1.18	C92	
18_i	Re-connection of held call (FT to PT)	part 9: 4.1.18	C94	
19	Forced re-connection of held call	part 9: 4.1.19	O	
20	Authentication of portable part	part 9: 4.1.20	M	
21	Authentication of user	part 9: 4.1.21	M	
22	Authentication of fixed part	part 9: 4.1.22	O	
23	Silent polling	part 9: 4.1.23	M	
24	Class of service field indication	part 9: 4.1.24	M	
25	Inter-operator roaming registration	part 9: 4.1.25	M	

continued on next page

continued from previous page

Features supported				
Item no.	Name of feature	Ref.	Status	Support
26	Control of supervisory tones	part 9: 4.1.26	O	
27	Regular security handshake	part 9: 4.1.27	M	
28	Signalling of display characters	part 9: 4.1.28	O	
29	Display control characters	part 9: 4.1.29	O	
30	ZAP suspend	part 9: 4.1.30	M	
31	ZAP terminate	part 9: 4.1.31	M	
31_p	pt terminate	part 9: 5.2.31	O	
32_a	Alphanumeric text messaging and radiopaging service - Case A	part 9: 5.2.32	O	
32_b_i	Alphanumeric text messaging and radiopaging service - Case B1	part 9: 5.2.32	O	
32_b_oi	Alphanumeric text messaging and radiopaging service - Case B2	part 9: 5.2.32	O	
32_c	Alphanumeric text messaging and radiopaging service - Case C	part 9: 5.2.32	O	
33	Voice/user data encryption activation/activation/de-activation	part 9: 4.1.33	O	
34	Signalling encryption activation/de-activation	part 9: 4.1.34	O	
35	Debit public access service	part 9: 4.1.35	O	
36	Credit public access service	part 9: 4.1.36	O	
37	Credit agency public access service	part 9: 4.1.37	O	
38_a	On-demand (hot-bill) public access service - CRSS	part 9: 5.2.38	O	
38_b	On-demand (hot-bill) public access service - CISS	part 9: 5.2.38	O	
39_a	Advice of tariff request - CRSS	part 9: 5.2.39	O	
39_b	Advice of tariff request - CISS	part 9: 5.2.39	O	
40_a	Advice of charge request - CRSS	part 9: 5.2.40	O	
40_b	Advice of charge request - CISS	part 9: 5.2.40	O	
41	Location registration	part 9: 4.1.41	M	
42	Location de-registration	part 9: 4.1.42	O	
43	Queue management	part 9: 4.1.43	O	
44	Queue entry request	part 9: 4.1.44	O	
45	Queue exit request	part 9: 4.1.45	O	
46	Portable part inaccessible indication	part 9: 4.1.46	-	

continued on next page

continued from previous page

Features supported				
Item no.	Name of feature	Ref.	Status	Support
47	In-range indication	part 9: 4.1.47	O	
48	Emergency service access request	part 9: 4.1.48	M	
49	Indication of teleservice available request	part 9: 4.1.49	O	
50	Indication of teleservice available	part 9: 4.1.50	O	
51	Selection of service provider/network operator	part 9: 4.1.51	M	
52	Selection of required teleservice	part 9: 4.1.52	O	
53	Selection of bearer service	part 9: 4.1.53	O	
54	Validation of portable part user	part 9: 4.1.54	-	
55	Validation of portable part	part 9: 4.1.55	-	
56	Validation of identity module	part 9: 4.1.56	-	
57	Identification (UPI)	part 9: 4.1.57	M	
58	Group address	part 9: 4.1.58	O	
59	Selection of additional character sets	part 9: 4.1.59	O	
60	Data capability	part 9: 4.1.60	O	
61_a	Keypad protocol - CRSS	part 9: 5.2.61	M	
61_b	Keypad protocol - CISS	part 9: 5.2.61	O	
62_a	Feature key management protocol - CRSS	part 9: 5.2.62	M	
62_b	Feature key management protocol - CISS	part 9: 5.2.62	O	
63_a_o	Functional protocol - CRSS	part 9: 5.2.63	O	
63_a_i	Functional protocol - CRSS	part 9: 5.2.63	O	
63_b_o	Functional protocol - CISS	part 9: 5.2.63	O	
63_b_i	Functional protocol - CISS	part 9: 5.2.63	O	
64	Dial tone detection indication	part 9: 4.1.64	O	
65_a	Request for indication of temporary subscriber number - CRSS	part 9: 5.2.65	O	
65_b	Request for indication of temporary subscriber number - CISS	part 9: 5.2.65	O	
66	Fixed part/portable part capability exchange	part 9: 4.1.66	M	
67	Subscription registration user procedure on-air plus digit entry	part 9: 4.1.67	M	
68	Subscription registration user procedures keypad (digit entry only)	part 9: 4.1.68	O	

continued on next page

continued from previous page

Features supported				
Item no.	Name of feature	Ref.	Status	Support
69	Subscription registration user procedure with DECT authentication module	part 9: 4.1.69	O	
70	Subscription data exchange (on-air)	part 9: 4.1.70	M	
71	Multicell fixed part coverage	part 9: 4.1.71	M	
72_ba	Bearer Handover (intra-cell)	part 9: 5.2.72	M	
72_ca	Connection Handover (intra-cell)	part 9: 5.2.72	M	
72_br	Bearer Handover (inter-cell)	part 9: 5.2.72	M	
72_cr	Connection Handover (inter-cell)	part 9: 5.2.72	M	
72_e	External Handover (inter-cell)	part 9: 5.2.72	O	
73	Multiple subscription registration	part 9: 4.1.73	M	
74	All-physical-channel capability	part 9: 4.1.74	M	

C91: IF re_con THEN M ELSE X
re_con = Q.9/18_o
C92: IF hold THEN M ELSE X
hold = Q.9/17_o
C93: IF re_con THEN M ELSE X
re_con = Q.9/18_i
C94: IF hold THEN M ELSE X
hold = Q.9/17_i

A.5.2 Protocol parameters

A.5.2.1 Timer support

The supplier of the implementation shall provide information about the timers specified in the ETS 300 175-5 [5]: NL.

Q.10.1 Timer support

Timer supported						
Item no.	Name	Ref.	Status	Support	Values	
					Allowed	Supported
1	CC.01	A.1	-			
2	CC.02	A.1	M		30 seconds	
3	CC.03	A.1	M		20 seconds	
4	CC.04	A.1	O		100 second	
5	CC.05	A.1	M		10 second	
6	COMS.00	A.3	C1011		5 seconds	
7	COMS.01	A.3	C1011		2 seconds	
8	COMS.02	A.3	C1011		10 seconds	
9	COMS.03	A.3	C1011		10 seconds	
10	CLMS.00	A.4	C1012		5 seconds	
11	MM_access.1	A.5	M		60 seconds	
12	MM_access.2	A.5	C1013		20 seconds	
13	MM_auth.1	A.5	M		10 seconds	
14	MM_auth.2	A.5	M		100 seconds	
15	MM_cipher.1	A.5	X			
16	MM_cipher.2	A.5	C1014		10 seconds	
17	MM_ident.1	A.5	X			
18	MM_ident.2	A.5	X			
19	MM_key.1	A.5	X			
20	MM_locate.1	A.5	M		20 seconds	
21	MM_wait	A.5	M		5 minutes	
22	LCE.01	A.6	M		5 seconds	
23	LCE.02	A.6	C1015		10 seconds	
24	LCE.03	A.6	X		3 seconds	
25	LCE.04	A.6	I		5 seconds	
26	T601	part 6: B	M		5 minutes	
27	T602	part 6: B	C1016		5 minutes	

C1011: IF alphanum_c THEN M ELSE O
alphanum_c = Q.9/32_c
C1012: IF alphanum_b THEN M ELSE O
alphanum_b = Q.9/32_b
C1013: IF pt_term THEN M ELSE X
pt_term = Q.9/31_p
C1014: IF u_encrypt OR c_encrypt THEN M ELSE X
u_encrypt = Q.9/33
c_encrypt = Q.9/34
C1015: IF part_rel THEN M ELSE X
part_rel = Q.9/6
C1016: IF TARIs THEN M ELSE X
TARIs = Q.84/3

A.5.2.2 System wide parameters

System wide parameters have a single specification applicable for all network messages in which they occur and the corresponding tables in which they occur contain reference to the following declarations.

The supplier of the implementation shall state whether or not the following parameters specified by ETS 300 175-5 [5]: NL are supported and their type, value(s) and range(s), in the box below. The supplier shall indicate the status of support for sending and receiving each parameter.

Q.10.2 Protocol parameters

Protocol parameters supported						
Item no.	Name	Ref.	Status	Support	Values	
					Allowed	Supported
1	N300	A.7	X			

A.5.2.3 Other parameters

Some parameters only occur in a limited number of network messages. Declaration of the support these parameters shall be specified in the tables in which they occur.

A.5.3 Messages

The supplier of the implementation shall state whether or not the messages specified by ETS 300 175-5 [5]: NL are supported, in the boxes below. The supplier shall indicate the status of support for sending and receiving each message.

Note that extended transaction identifiers are not allowed within the PAP.

A.5.3.1 Call control messages

Q.11 CC Message support

Supported messages						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
1	CC-SETUP	6.3.2.1	M		M	
2	CC-INFOrmation	6.3.2.2	M		M	
3	CC-SETUP-ACKnowledge	6.3.2.3	I		C110	
4	CC-CALL-PROCeeding	6.3.2.4	I		M	
5	CC-ALERTING	6.3.2.5	M		M	
6	CC-CONNECT	6.3.2.6	M		M	
7	CC-CONNECT-ACKnowledge	6.3.2.7	-		M	
8	CC-RELEASE	6.3.2.8	M		M	
9	CC-RELEASE-COMplete	6.3.2.9	M		M	
10	CC-SERVICE-CHANGE	6.3.2.10	I		I	
11	CC-SERVICE-ACCEPT	6.3.2.11	I		I	
12	CC-SERVICE-REJECT	6.3.2.12	I		I	
13	CC-NOTIFY	6.3.2.13	-		M	
14	IWU-INFOrmation	6.3.2.14	I		I	

C110: IF dial_type=1 OR dial_type=2 OR dial_type=3 OR dial_type=5 OR dial_type=6 OR #dial_type=7
THEN M ELSE O
dial_type = Q.85/1

Q.11.1 CC-SETUP

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6		M		0-6	
3	Message Type (MI)	7.4.1	M		5		M		5	
4	Portable identity	7.7.30	M		<Q.58>		M		<Q.58>	
5	Fixed identity	7.7.18	M		<Q.46>		M		<Q.46>	
6	Basic service	7.6.4	M		<Q.22>		M		<Q.22>	
7	IWU attributes	7.7.21	I				I			
8	Repeat indicator	7.6.3	X				X			
9	Call attributes	7.7.5	I				I			
10	Repeat indicator	7.6.3	X				X			
11	Connection attributes	7.7.11	I				I			
12	Cipher info	7.7.10	O		<Q.38>		O		<Q.38>	
13	Connection identity	7.7.12	I				I			
14	Facility	7.7.15	O		<Q.43>		O		<Q.43>	
15	Progress Indicator	7.7.31	-				M		<Q.59>	
16	Display	7.5.5	-				O		<Q.23 or Q.54>	
17	Keypad	7.5.5	O		<Q24> or <Q55>		-			
18	Signal	7.6.8	-				M		<Q.26>	
19	Feature Activate	7.7.16	O		<Q.44>		-			
20	Feature Indicate	7.7.17	-				O		<Q.45>	

continued on next page

continued from previous page

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
21	Network parameter	7.7.29	C1111		<Q.57>		-			
22	Terminal capability	7.7.41	O		<Q.69>		-			
23	End-to-end compatibility	7.7.14	I				I			
24	Rate parameters	7.7.33	I				I			
25	Transit delay	7.7.42	I				I			
26	Window size	7.7.43	I				I			
27	Calling party number	7.7.9	O		<Q.37>		O		<Q.37>	
28	Called party number	7.7.7	O		<Q.35>		O		<Q.35>	
29	Called party subaddress	7.7.8	O		<Q.36>		O		<Q.36>	
30	Sending complete	7.6.2	O		<Q.20.1>		O		<Q.20.1>	
31	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
32	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

C1111: IF ext_ho THEN M ELSE X
 ext_ho = Q.9/72_e
 C1112: IF ext_ho THEN O ELSE O

Q.11.2.1 CC-INFO DURING ESTABLISHMENT, states T-02

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6,8-14	
3	Message Type (MI)	7.4.1	M		123		M		123	
4	Location area	7.7.25	C1111		<Q.53>		-			
5	NWK assigned identity	7.7.28	C1111		<Q.56>		-			
6	Facility	7.7.15	O		<Q.43>		X			
7	Progress Indicator	7.7.31	-				O		<Q.59>	
8	Display	7.5.5	-				O		<Q.23> or<Q.54>	
9	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
10	Signal	7.6.8	-				O		<Q.26>	
11	Feature activate	7.7.16	O		<Q.44>		-			
12	Feature indicate	7.7.17	-				O		<Q.45>	
13	Network parameter	7.7.29	C1111		<Q.57>		-			
14	Called party number	7.7.7	O		<Q.35>		X			
15	Called party subaddress	7.7.8	O		<Q.36>		X			
16	Sending complete	7.6.2	O		<Q.20.1>		X			
17	Test hook control	7.6.10	-		<Q.28>		M		<Q.28>	
18	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
19	IWU-packet	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.2.2 CC-INFO DURING ESTABLISHMENT, states T-03,T-04

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6,8-14	
3	Message Type (MI)	7.4.1	M		123		M		123	
4	Location area	7.7.25	C1111		<Q.53>		-			
5	NWK assigned identity	7.7.28	C1111		<Q.56>		-			
6	Facility	7.7.15	O		<Q.43>		X			
7	Progress Indicator	7.7.31	-				O		<Q.59>	
8	Display	7.5.5	-				O		<Q.23> or<Q.54>	
9	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
10	Signal	7.6.8	-				O		<Q.26>	
11	Feature activate	7.7.16	O		<Q.44>		-			
12	Feature indicate	7.7.17	-				O		<Q.45>	
13	Network parameter	7.7.29	C1111		<Q.57>		-			
14	Called party number	7.7.7	-				-			
15	Called party subaddress	7.7.8	-				-			
16	Sending complete	7.6.2	O		<Q.20.1>		X			
17	Test hook control	7.6.10	-		<Q.28>		M		<Q.28>	
18	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
19	IWU-packet	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.2.3 CC-INFO DURING ESTABLISHMENT, states T-07,T-08

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6,8-14	
3	Message Type (MI)	7.4.1	M		123		M		123	
4	Location area	7.7.25	C1111		<Q.53>		-			
5	NWK assigned identity	7.7.28	C1111		<Q.56>		-			
6	Facility	7.7.15	O		<Q.43>		-			
7	Progress Indicator	7.7.31	-				O		<Q.59>	
8	Display	7.5.5	-				O		<Q.23> or<Q.54>	
9	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
10	Signal	7.6.8	-				M		<Q.26>	
11	Feature activate	7.7.16	O		<Q.44>		-			
12	Feature indicate	7.7.17	-				O		<Q.45>	
13	Network parameter	7.7.29	C1111		<Q.57>		-			
14	Called party number	7.7.7	-				-			
15	Called party subaddress	7.7.8	-				-			
16	Sending complete	7.6.2	O		<Q.20.1>		-			
17	Test hook control	7.6.10	-				M		<Q.28>	
18	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
19	IWU-packet	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.2.4 CC-INFO DURING CONNECTION, state T-10

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6,8-14	
3	Message Type (MI)	7.4.1	M		123		M		123	
4	Location area	7.7.25	-				-			
5	NWK assigned identity	7.7.28	-				-			
6	Facility	7.7.15	O		<Q.43>		O		<Q.43>	
7	Progress Indicator	7.7.31	-				O		<Q.59>	
8	Display	7.5.5	-				O		<Q.23> or <Q.54>	
9	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
10	Signal	7.6.8	-				O		<Q.26>	
11	Feature activate	7.7.16	O		<Q.44>		-			
12	Feature indicate	7.7.17	-				O		<Q.45>	
13	Network parameter	7.7.29	-				-			
14	Called party number	7.7.7	-				-			
15	Called party subaddress	7.7.8	-				-			
16	Sending complete	7.6.2	O		<Q.20.1>		O		<Q.20.1>	
17	Test hook control	7.6.10	-				M		<Q.28>	
18	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
19	IWU-packet	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.2.5 CC-INFO DURING CONNECTION, state T-19

Item No.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		3	
2	Transaction Identifier (TI)	7.3	-				M		0-6,8-14	
3	Message Type (MI)	7.4.1	-				M		123	
4	Location area	7.7.25	-				-			
5	NWK assigned identity	7.7.28	-				-			
6	Facility	7.7.15	-				O		<Q.43>	
7	Progress Indicator	7.7.31	-				O		<Q.59>	
8	Display	7.5.5	-				O		<Q.23> or <Q.54>	
9	Keypad	7.5.5	-				-			
10	Signal	7.6.8	-				O		<Q.26>	
11	Feature activate	7.7.16	-				-			
12	Feature indicate	7.7.17	-				O		<Q.45>	
13	Network parameter	7.7.29	-				-			
14	Called party number	7.7.7	-				-			
15	Called party subaddress	7.7.8	-				-			
16	Sending complete	7.6.2	-				O		<Q.20.1>	
17	Test hook control	7.6.10	-				M		<Q.28>	
18	IWU-to-IWU	7.7.23	-				O		<Q.51>	
19	IWU-packet	7.7.22	-				O		<Q.50>	

Q.11.3 CC-SETUP-ACKnowledge

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	I				M		3	
2	Transaction Identifier (TI)	7.3	I				M		8-14	
3	Message Type (MI)	7.4.1	I				M		13	
4	Info type	7.7.20	I				C1111		<Q.48>	
5	Portable identity	7.7.30	I				M		<Q.58>	
6	Fixed identity	7.7.18	I				M		<Q.46>	
7	Location area	7.7.25	I				C1111		<Q.53>	
8	Call attributes	7.7.5	I				I			
9	Connection identity	7.7.12	I				I			
10	Facility	7.7.15	I				O		<Q.43>	
11	Progress indicator	7.7.31	I				M		<Q.59>	
12	Display	7.5.5	I				O		<Q.23> or <Q.54>	
13	Signal	7.6.8	I				O		<Q.26>	
14	Feature indicate	7.7.17	I				O		<Q.45>	
15	Transit delay	7.7.42	I				I			
16	Window size	7.7.43	I				I			
17	Delimiter request	7.6.2	I				O		<Q.20.2>	
18	IWU-to-IWU	7.7.23	I				O		<Q.51>	
19	IWU-packet	7.7.22	I				O		<Q.50>	

Q.11.4 CC-CALL-PROceeding

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	I				M		3	
2	Transaction Identifier (TI)	7.3	I				M		8-14	
3	Message Type (MI)	7.4.1	I				M		2	
4	Call attributes	7.7.5	I				I			
5	Connection identity	7.7.12	I				I			
6	Facility	7.7.15	I				O		<Q.43>	
7	Progress indicator	7.7.31	I				M		<Q.59>	
8	Display	7.5.5	I				O		<Q.23> or <Q.54>	
9	Signal	7.6.8	I				O		<Q.26>	
10	Feature indicate	7.7.17	I				O		<Q.45>	
11	Transit delay	7.7.42	I				I			
12	Window size	7.7.43	I				I			
13	IWU-to-IWU	7.7.23	I				O		<Q.51>	
14	IWU-PACKET	7.7.22	I				O		<Q.50>	

Q.11.5 CC-ALERTING

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		8-14		M		8-14	
3	Message Type (MI)	7.4.1	M		1		M		1	
4	Call attributes	7.7.5	I				I			
5	Connection identity	7.7.12	I				I			
6	Facility	7.7.15	-				O		<Q.43>	
7	Progress Indicator	7.7.31	-				M		<Q.59>	
8	Display	7.5.5	-				O		<Q.23> or <Q.54>	
9	Signal	7.6.8	-				O		<Q.26>	
10	Feature indicate	7.7.17	-				O		<Q.45>	
11	Terminal capability	7.7.41	O		<Q.69>		-			
12	Transit delay	7.7.42	I				I			
13	Window size	7.7.43	I				I			
14	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
15	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.6 CC-CONNECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		8-14		M		8-14	
3	Message Type (MI)	7.4.1	M		7		M		7	
4	Call attributes	7.7.5	I				I			
5	Connection identity	7.7.12	I				I			
6	Facility	7.7.15	O		<Q.43>		O		<Q.43>	
7	Progress indicator	7.7.31	-				O		<Q.59>	
8	Display	7.5.5	-				O		<Q.23> or <Q.54>	
9	Signal	7.6.8	-				O		<Q.26>	
10	Feature indicate	7.7.17	-				O		<Q.45>	
11	Terminal capability	7.7.41	O		<Q.69>		-			
12	Transit delay	7.7.42	I				I			
13	Window size	7.7.43	I				I			
14	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
15	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.7 CC-CONNECT-ACKnowledge

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		3	
2	Transaction Identifier (TI)	7.3	-				M		0-6	
3	Message Type (MI)	7.4.1	-				M		15	
4	Display	7.5.5	-				O		<Q.23> or <Q.54>	
5	Feature indicate	7.7.17	-				O		<Q.45>	
6	IWU-to-IWU	7.7.23	-				O		<Q.51>	
7	IWU-PACKET	7.7.22	-				O		<Q.50>	

Q.11.8 CC-RELEASE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6,8-14	
3	Message Type (MI)	7.4.1	M		77		M		77	
4	Release reason	7.6.7	M		<Q.25>		O		<Q.25>	
5	Facility	7.7.15	-				O		<Q.43>	
6	Display	7.5.5	-				O		<Q.23> or <Q.54>	
7	Feature indicate	7.7.17	-				O		<Q.45>	
8	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
9	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.9 CC-RELEASE-COMplete

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6, 8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.1	M		90		M		90	
4	Release reason	7.6.7	M		<Q.25>		O		<Q.25>	
5	Identity type	7.7.19	-				C1112		<Q.47>	
6	Location area	7.7.25	-				C1112		<Q.53>	
7	IWU attributes	7.7.21	I				I			
8	Facility	7.7.15	-				O		<Q.43>	
9	Display	7.5.5	-				O		<Q.23> or <Q.54>	
10	Feature indicate	7.7.17	-				O		<Q.45>	
11	Network parameter	7.7.29	-				C1111		<Q.57>	
12	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
13	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.11.10 CC-SERVICE-CHANGE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2								
2	Transaction Identifier (TI)	7.3								
3	Message Type (MI)	7.4.1								
4	Portable identity	7.7.30								
5	Service change Info	7.7.38								
6	Repeat indicator	7.6.3								
7	Connection attributes	7.7.11								
8	Connection identity	7.7.12								

Q.11.11 CC-SERVICE-ACCEPT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2								
2	Transaction Identifier (TI)	7.3								
3	Message Type (MI)	7.4.1								
4	Connection identity	7.7.12								

Q.11.12 CC-SERVICE-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2									
2	Transaction Identifier (TI)	7.3									
3	Message Type (MI)	7.4.1									

Q.11.13 CC-NOTIFY

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	-					M		3	
2	Transaction Identifier (TI)	7.3	-					M		0-6, 8-14	
3	Message Type (MI)	7.4.1	-					M		110	
4	Timer restart	7.6.9	-					M		<Q.27>	

Q.11.14 IWU-INFORMATION

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2								
2	Transaction Identifier (TI)	7.3								
3	Message Type (MI)	7.4.1								
4	Segmented info	7.7.37								
5	Alphanumeric	7.7.3								
6	IWU-to-IWU	7.7.23								
7	IWU-PACKET	7.7.22								

A.5.3.2 Connection-related & connection independent supplement service messages

Q.12 CRSS & CISS message support

Supported messages						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
1	FACILITY - crss	6.3.3.1	C1207		C1207	
2	HOLD	6.3.3.2	C1201		C1202	
3	HOLD-ACKnowledge	6.3.3.3	C1202		C1201	
4	HOLD-REJECT	6.3.3.4	C1202		C1201	
5	RETRIEVE	6.3.3.5	C1203		C1204	
6	RETRIEVE-ACKnowledge	6.3.3.6	C1204		C1203	
7	RETRIEVE-REJECT	6.3.3.7	C1204		C1203	
8	CISS-REGISTER	6.3.3.8	C1208		C1205	
9	CISS-RELEASE-COMplete	6.3.3.9	C1206		C1206	
10	FACILITY-ciss	6.3.3.1	C1206		C1206	

C1201: IF hold_o THEN M ELSE X

hold_o = Q.9/17_o

C1202: IF hold_i THEN M ELSE X

hold_i = Q.9/17_i

C1203: IF re_con_o THEN M ELSE X

re_con_o = Q.9/18_o

C1204: IF re_con_i OR force_re_con THEN M ELSE X

re_con_i = Q.9/18_i

force_re_con = Q.9/19

C1205: IF ci_funct_ss_i THEN M ELSE O

ci_funct_ss_i = Q.9/63_b_i

C1206: IF p_c1208 OR ci_funct_ss_i THEN M ELSE X

p_c1208 = ci_sel_trunk OR ci_hot_bill OR ci_req_tariff OR ci_req_charge OR

ci_req_temp_num OR ci_funct_ss_o

ci_sel_trunk = Q.9/15_b

ci_hot_bill = Q.9/38_b

ci_req_tariff = Q.9/39_b

ci_req_charge = Q.9/40_b

ci_req_temp_num = Q.9/65_b

ci_funct_ss_o = Q.9/63_b_o

C1207: IF cr_sel_trunk OR cr_hot_bill OR cr_req_tariff OR cr_req_charge OR cr_req_temp_num OR

cr_funct_ss_o OR cr_funct_ss_i THEN M ELSE O

cr_sel_trunk = Q.9/15_a

cr_hot_bill = Q.9/38_a

cr_req_tariff = Q.9/39_a

cr_req_charge = Q.9/40_a

cr_req_temp_num = Q.9/65_a

cr_funct_ss_o = Q.9/63_a_o

cr_funct_ss_i = Q.9/63_a_i

C1208: IF p_c1208 THEN M ELSE O

Q.12.1 FACILITY-crss

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		98		M		98	
4	Facility	7.7.15	O		<Q.43>		O		<Q.43>	
5	Display	7.5.5	-				O		<Q.23> or <Q.54>	
6	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
7	Feature activate	7.7.16	O		<Q.44>		-			
8	Feature indicate	7.7.17	-				O		<Q.45>	

Q.12.2 HOLD

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		36		M		36	
4	Display	7.5.5	-				O		<Q.23> or <Q.54>	

Q.12.3 HOLD-ACKnowledge

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		40		M		40	
4	Display	7.5.5	-				O		<Q.23> or <Q.54>	

Q.12.4 HOLD-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		48		M		48	
4	Display	7.5.5	-				O		<Q.23> or <Q.54>	
5	Reject reason	7.7.34	O		<Q.62>		O		<Q.62>	

Q.12.5 RETRIEVE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		49		M		49	
4	Display	7.5.5	-				O		<Q.23> or <Q.54>	

Q.12.6 RETRIEVE-ACKnowledge

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		51		M		51	
4	Display	7.5.5	-				O		<Q.23> or <Q.54>	

Q.12.7 RETRIEVE-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		3		M		3	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		55		M		55	
4	Display	7.5.5	-				O		<Q.23> or <Q.54>	
5	Reject reason	7.7.34	O		<Q.62>		O		<Q.62>	

Q.12.8 CISS-REGISTER

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		4		M		4	
2	Transaction Identifier (TI)	7.3	M		0-6		M		0-6	
3	Message Type (MI)	7.4.2	M		100		M		100	
4	Facility	7.7.15	O		<Q.43>		O		<Q.43>	
5	Display	7.5.5	-				O		<Q.23> or <Q.54>	
6	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
7	Feature activate	7.7.16	O		<Q.44>		-			
8	Feature indicate	7.7.17	-				O		<Q.45>	

Q.12.9 CISS-RELEASE-COMplete

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		4		M		4	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		90		M		90	
4	Release reason	7.6.7	O		<Q.25>		O		<Q.25>	
5	Facility	7.7.15	O		<Q.43>		O		<Q.43>	
6	Display	7.5.5	-				O		<Q.23> or <Q.54>	
7	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
8	Feature activate	7.7.16	O		<Q.44>		-			
9	Feature indicate	7.7.17	-				O		<Q.45>	

Q.12.10 FACILITY-ciss

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		4		M		4	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.2	M		98		M		98	
4	Facility	7.7.15	O		<Q.43>		O		<Q.43>	
5	Display	7.5.5	-				O		<Q.23> or <Q.54>	
6	Keypad	7.5.5	O		<Q.24> or <Q.55>		-			
7	Feature activate	7.7.16	O		<Q.44>		-			
8	Feature indicate	7.7.17	-				O		<Q.45>	

A.5.3.3 Connection-oriented message service messages

Q.13 COMS message support

Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
1	COMS-SETUP	6.3.4.1	C1301		C1301	
2	COMS-INFOrmation	6.3.4.2	C1301		C1301	
3	COMS-ACKnowledge	6.3.4.3	C1301		C1301	
4	COMS-CONNECT	6.3.4.4	C1301		C1301	
5	COMS-RELEASE	6.3.4.5	C1301		C1301	
6	COMS-RELEASE-COMplete	6.3.4.6	C1301		C1301	

C1301: IF alphanum_class_c THEN M ELSE O
alphanum_class_c = Q.9/32_c

Q.13.1 COMS-SETUP

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		7		M		7	
2	Transaction Identifier (TI)	7.3	M		0-6		M		0-6	
3	Message Type (MI)	7.4.3	M		5		M		5	
4	Portable identity	7.7.30	M		<Q.58>		M		<Q.58>	
5	Fixed identity	7.7.18	M		<Q.46>		M		<Q.46>	
6	IWU attributes	7.7.21	M		<Q.49>		M		<Q.49>	
7	Connection attributes	7.7.11	O		<Q.39>		O		<Q.39>	
8	Display	7.5.5	-				O		<Q.23 or Q.54>	
9	Called party number	7.7.7	O		<Q.37>		O		<Q.37>	
10	Called party subaddress	7.7.8	O		<Q.36>		O		<Q.36>	
11	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
12	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.13.2 COMS-INFORMATION

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		7		M		7	
2	Transaction Identifier (TI)	7.3	M		0-6, 8-14		M		0-6,8-14	
3	Message Type (MI)	7.4.3	M		123		M		123	
4	Display	7.5.5	-				O		<Q.23 or Q.54>	
5	Segmented info	7.7.37	O		<Q.65>		O		<Q.65>	
6	Alphanumeric	7.7.3	O		<Q.31>		O		<Q.31>	
7	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
8	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.13.3 COMS-ACKNOWLEDGE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		7		M		7	
2	Transaction Identifier (TI)	7.3	M		0-6, 8-14		M		0-6,8-14	
3	Message Type (MI)	7.4.3	M		120		M		120	
4	Display	7.5.5	-				O		<Q.23 or Q.54>	

Q.13.4 COMS-CONNECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		7		M		7	
2	Transaction Identifier (TI)	7.3	M		8-14		M		8-14	
3	Message Type (MI)	7.4.3	M		7		M		7	
4	Display	7.5.5	-				O		<Q.23 or Q.54>	
5	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
6	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.13.5 COMS-RELEASE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		7		M		7	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.3	M		77		M		77	
4	Release reason	7.6.7	O		<Q.25>		O		<Q.25>	
5	Display	7.5.5	-				O		<Q.23 or Q.54>	
6	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
7	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

Q.13.6 COMS-RELEASE-COMplete

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		7		M		7	
2	Transaction Identifier (TI)	7.3	M		0-6,8-14		M		0-6, 8-14	
3	Message Type (MI)	7.4.3	M		90		M		90	
4	Release reason	7.6.7	O		<Q.25>		O		<Q.25>	
5	Display	7.5.5	-				O		<Q.23 or Q.54>	
6	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
7	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

A.5.3.4 Connectionless message service messages

Q.14 CLMS message support

Supported messages						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
1	CLMS-VARIABLE	6.3.5.1	C1401		C1401	
2	CLMS-FIXED-long-B-format	8.3.1-2	X		X	
3	CLMS-FIXED-extended-B-format	8.3.1-2	-		C1402	

C1401: IF alphanum_class_b THEN M ELSE O
alphanum_class_b = Q.9/32_b
C1402: IF alphanum_class_a THEN M ELSE O
alphanum_class_a = Q.9/32_a

Q.14.1 CLMS-VARIABLE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		6		M		6	
2	Transaction Identifier (TI)	7.3	M		0		M		0	
3	Message Type (MI)	7.4.4	M		1		M		1	
4	Portable identity	7.7.30	M		<Q.58.1-8>		M		<Q.58.9-12>	
5	Segmented info	7.7.37	O		<Q.65>		O		<Q.65>	
6	Alphanumeric	7.7.3	O		<Q.31>		O		<Q.31>	
7	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	
8	IWU-PACKET	7.7.22	O		<Q.50>		O		<Q.50>	

NOTE: The maximum length of the message shall not exceed 63 octets.

A.5.3.5 Mobility management messages

Q.15 MM message support

Supported messages						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
1	ACCESS-RIGHTS-ACCEPT	6.3.6.1	-		M	
2	ACCESS-RIGHTS-REJECT	6.3.6.2	-		M	
3	ACCESS-RIGHTS-REQUEST	6.3.6.3	M		-	
4	ACCESS-RIGHTS-TERMINATE-ACCEPT	6.3.6.4	M		C1501	
5	ACCESS-RIGHTS-TERMINATE-REJECT	6.3.6.5	M		C1501	
6	ACCESS-RIGHTS-TERMINATE-REQUEST	6.3.6.6	C1501		M	
7	AUTHentication-REJECT	6.3.6.7	M		M	
8	AUTHentication-REPLY	6.3.6.8	M		M	
9	AUTHentication-REQUEST	6.3.6.9	M		M	
10	CIPHER-REJECT	6.3.6.10	C1502		C1502	
11	CIPHER-REQUEST	6.3.6.11	-		C1502	
12	CIPHER-SUGGEST	6.3.6.12	C1502		-	
13	DETACH	6.3.6.13	C1503		-	
14	IDENTITY-REPLY	6.3.6.14	M		-	
15	IDENTITY-REQUEST	6.3.6.15	-		M	
16	KEY-ALLOCATE	6.3.6.16	-		M	
17	LOCATE-ACCEPT	6.3.6.17	-		M	
18	LOCATE-REJECT	6.3.6.18	-		M	
19	LOCATE-REQUEST	6.3.6.19	M		-	
20	MM-INFO-ACCEPT	6.3.6.20	-		C1504	
21	MM-INFO-REJECT	6.3.6.21	-		C1504	
22	MM-INFO-REQUEST	6.3.6.22	C1504		-	
23	MM-INFO-SUGGEST	6.3.6.23	-		M	
24	TEMPORARY-IDENTITY-ASSIGN	6.3.6.24	-		M	
25	TEMPORARY-IDENTITY-ASSIGN-ACKnowledge	6.3.6.25	M		-	
26	TEMPORARY-IDENTITY-ASSIGN-REject	6.3.6.26	M		-	

C1501: IF pt_term THEN M ELSE X

pt_term = Q.9/31_p

C1502: IF u_encrypt OR c_encrypt THEN M ELSE X

u_encrypt = Q.9/33

c_encrypt = Q.9/34

C1503: IF loc_dereg THEN M ELSE X

loc_dereg = Q.9/42

C1504: IF ext_ho THEN M ELSE O

ext_ho = Q.9/72_e

Q.15.1 ACCESS-RIGHTS-ACCEPT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		8	
3	Message Type (MI)	7.4.5	-				M		69	
4	Portable identity	7.7.30	-				M		<Q.58>	
5	Repeat indicator	7.6.3	-				X			
6	Fixed identity (PARK)	7.7.18	-				M		<Q.46.9> - <Q.46.12>	
7	Location area	7.7.25	-				O		<Q.53>	
8	Auth-type	7.7.4	-				O		<Q.32.1>	
9	Cipher-info	7.7.10	-				O		<Q.38.1>	
10	ZAP field	7.7.44	-				M		<Q.72>	
11	Service class	7.7.39	-				M		<Q.67>	
12	IWU-to-IWU	7.7.23	-				O		<Q.51>	

Q.15.2 ACCESS-RIGHTS-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		8	
3	Message Type (MI)	7.4.5	-				M		71	
4	Reject reason	7.7.34	-				O		<Q.62>	
5	Duration	7.7.13	-				O		<Q.41>	

Q.15.3 ACCESS-RIGHTS-REQUEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	M		5			-			
2	Transaction Identifier (TI)	7.3	M		0			-			
3	Message Type (MI)	7.4.5	M		68			-			
4	Portable identity	7.7.30	M		<Q.58.1>			-			
5	Auth-type	7.7.4	M		<Q.32.1>			-			
6	Cipher-info	7.7.10	O		<Q.38.1>			-			
7	Terminal Capability	7.7.41	O		<Q.69>			-			
8	IWU-to-IWU	7.7.23	O		<Q.51>			-			

Q.15.4 ACCESS-RIGHTS-TERMINATE-ACCEPT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	M		5			M		5	
2	Transaction Identifier (TI)	7.3	M		8			M		8	
3	Message Type (MI)	7.4.5	M		73			M		73	

Q.15.5 ACCESS-RIGHTS-TERMINATE-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		M		5	
2	Transaction Identifier (TI)	7.3	M		8		M		8	
3	Message Type (MI)	7.4.5	M		75		M		75	
4	Reject reason	7.7.34	O		<Q.62>		O		<Q.62>	
5	Duration	7.7.13	-				O		<Q.41>	

Q.15.6 ACCESS-RIGHTS-TERMINATE-REQUEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		M		5	
2	Transaction Identifier (TI)	7.3	M		0		M		0	
3	Message Type (MI)	7.4.5	M		72		M		72	
4	Portable identity	7.7.30	M		<Q.58>		M		<Q.58>	
5	Repeat indicator	7.6.3	X				X			
6	Fixed identity (PARKS)	7.7.18	O		<Q.46.9- Q.46.12>		M		<Q.46.9 - Q.46.12>	
7	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	

Q.15.7 AUTHentication-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	M		5			M		5	
2	Transaction Identifier (TI)	7.3	M		8			M		8	
3	Message Type (MI)	7.4.5	M		67			M		67	
4	Repeat indicator	7.6.3	X					X			
5	Auth-type	7.7.4	O		<Q.32.2>			O		<Q.32.2>	
6	Reject reason	7.7.34	O		<Q.62>			O		<Q.62>	

Q.15.8 AUTHentication-REPLY

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	M		5			M		5	
2	Transaction Identifier (TI)	7.3	M		8			M		8	
3	Message Type (MI)	7.4.5	M		65			M		65	
4	RES	7.7.35	M		<Q.63>			M		<Q.63>	
5	RS	7.7.36	-					M		<Q.64>	
6	ZAP field	7.7.44	M		<Q.72>			-			
7	Service class	7.7.39	M		<Q.67>			-			
8	Key	7.7.24	O		<Q.52>			-			
9	IWU-to-IWU	7.7.23	O		<Q.51>			O		<Q.51>	

Q.15.9 AUTHentication-REQUEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		M		5	
2	Transaction Identifier (TI)	7.3	M		0		M		0	
3	Message Type (MI)	7.4.5	M		64		M		64	
4	Auth-type	7.7.4	M		<Q.32.1>		M		<Q.32.1>	
5	RAND	7.7.32	M		<Q.60>		M		<Q.60>	
6	RES	7.7.35	M		<Q.63>		-			
7	RS	7.7.36	-				M		<Q.62>	
8	Cipher info	7.7.10	O		<Q.38.1>		O		<Q.38.1>	
9	IWU-to-IWU	7.7.23	O		<Q.51>		O		<Q.51>	

Q.15.10 CIPHER-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		M		5	
2	Transaction Identifier (TI)	7.3	M		8		M		8	
3	Message Type (MI)	7.4.5	M		79		M		79	
4	Repeat indicator	7.6.3	X				X			
5	Cipher info	7.7.10	O		<Q.38.2>		O		<Q.38.2>	
6	Reject reason	7.7.34	O		<Q.62>		O		<Q.62>	

Q.15.11 CIPHER-REQUEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		0	
3	Message Type (MI)	7.4.5	-				M		76	
4	Cipher info	7.7.10	-				M		<Q.38.1>	
5	Call identity	7.7.6	-				O		<Q.34>	
6	Connection identity	7.7.12	-				O		<Q.40>	
7	IWU-to-IWU	7.7.23	-				O		<Q.51>	

Q.15.12 CIPHER-SUGGEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		-			
2	Transaction Identifier (TI)	7.3	M		0		-			
3	Message Type (MI)	7.4.5	M		78		-			
4	Cipher info	7.7.10	M		<Q.38.1>		-			
5	Call identity	7.7.6	O		<Q.34>		-			
6	Connection identity	7.7.12	O		<Q.40>		-			
7	IWU-to-IWU	7.7.23	O		<Q.51>		-			

Q.15.13 DETACH

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		-			
2	Transaction Identifier (TI)	7.3	M		0		-			
3	Message Type (MI)	7.4.5	M		86		-			
4	Portable identity	7.7.30	M		<Q.58>		-			
5	NWK assigned identity	7.7.28	O		<Q.56>		-			
6	IWU-to-IWU	7.7.23	O		<Q.51>		-			

Q.15.14 IDENTITY-REPLY

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		-			
2	Transaction Identifier (TI)	7.3	M		8		-			
3	Message Type (MI)	7.4.5	M		89		-			
4	Repeat Indicator	7.6.3	O		<Q.21.1>		-			
5	Portable identity	7.7.30	M		<Q.58>		-			
6	Repeat Indicator	7.6.3	O		<Q.21.1>		-			
7	Fixed identity	7.7.18	M		<Q.46>		-			
8	Repeat Indicator	7.6.3	O		<Q.21.1>		-			
9	NWK assigned identity	7.7.28	M		<Q.56>		-			
10	IWU-to-IWU	7.7.23	O		<Q.51>		-			

Q.15.15 IDENTITY-REQUEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	-					M		5	
2	Transaction Identifier (TI)	7.3	-					M		0	
3	Message Type (MI)	7.4.5	-					M		88	
4	Repeat indicator	7.6.3	-					X			
5	Identity type	7.7.19	-					M		<Q.47>	
6	IWU-to-IWU	7.7.23	-					O		<Q.51>	

Q.15.16 KEY-ALLOCATE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	-					M		5	
2	Transaction Identifier (TI)	7.3	-					M		0	
3	Message Type (MI)	7.4.5	-					M		66	
4	Allocation type	7.7.2	-					M		<Q.30>	
5	Rand	7.7.32	-					M		<Q.60>	
6	RS	7.7.36	-					M		<Q.64>	

Q.15.17 LOCATE-ACCEPT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		8	
3	Message Type (MI)	7.4.5	-				M		85	
4	Portable identity	7.7.30	-				M		<Q.58>	
5	Location area	7.7.25	-				M		<Q.53>	
6	NWK assigned identity	7.7.28	-				M		<Q.56>	
7	Duration	7.7.13	-				M		<Q.41>	
8	IWU-to-IWU	7.7.23	-				O		<Q.51>	

Q.15.18 LOCATE-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		8	
3	Message Type (MI)	7.4.5	-				M		87	
4	Reject reason	7.7.34	-				O		<Q.62>	
5	Duration	7.7.13	-				O		<Q.41>	

Q.15.19 LOCATE-REQUEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	M		5			-			
2	Transaction Identifier (TI)	7.3	M		0			-			
3	Message Type (MI)	7.4.5	M		84			-			
4	Portable identity	7.7.30	M		<Q.58>			-			
5	Fixed identity	7.7.18	M		<Q.46>			-			
6	Location area	7.7.25	M		<Q.53>			-			
7	NWK assigned identity	7.7.28	O		<Q.56>			-			
8	Cipher info	7.7.10	O		<Q.38.1>			-			
9	Setup capability	7.7.40	O		<Q.68>			-			
10	Terminal capability	7.7.41	O		<Q.69>			-			
11	IWU-to-IWU	7.7.23	O		<Q.51>			-			

Q.15.20 MM-INFO-ACCEPT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		8	
3	Message Type (MI)	7.4.5	-				M		81	
4	Info type	7.7.20	-				O		<Q.48>	
5	Fixed identity	7.7.18	-				O		<Q.46>	
6	Location area	7.7.25	-				O		<Q.53>	
7	NWK assigned identity	7.7.28	-				O		<Q.56>	
8	Network parameter	7.7.29	-				O		<Q.57>	
9	Duration	7.7.13	-				O		<Q.41>	
10	IWU-to-IWU	7.7.23	-				O		<Q.51>	

Q.15.21 MM-INFO-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		8	
3	Message Type (MI)	7.4.5	-				M		83	
4	Reject reason	7.7.34	-				O		<Q.62>	

Q.15.22 MM-INFO-REQUEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		-			
2	Transaction Identifier (TI)	7.3	M		0		-			
3	Message Type (MI)	7.4.5	M		80		-			
4	Info type	7.7.20	M		<Q.48>		-			
5	Portable identity	7.7.30	O		<Q.58>		-			
6	Fixed identity	7.7.18	O		<Q.46>		-			
7	Location area	7.7.25	O		<Q.53>		-			
8	NWK assigned identity	7.7.28	O		<Q.56>		-			
9	Network parameter	7.7.29	O		<Q.57>		-			
10	IWU-to-IWU	7.7.23	O		<Q.51>		-			

Q.15.23 MM-INFO-SUGGEST

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		5	
2	Transaction Identifier (TI)	7.3	-				M		0	
3	Message Type (MI)	7.4.5	-				M		82	
4	Info type	7.7.20	-				M		<Q.48>	
5	Fixed identity	7.7.18	-				O		<Q.46>	
6	Location area	7.7.25	-				O		<Q.53>	
7	NWK assigned identity	7.7.28	-				O		<Q.56>	
8	Network parameter	7.7.29	-				O		<Q.57>	
9	IWU-to-IWU	7.7.23	-				O		<Q.51>	

Q.15.24 TEMPORARY-IDENTITY-ASSIGN

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	-					M		5	
2	Transaction Identifier (TI)	7.3	-					M		0	
3	Message Type (MI)	7.4.5	-					M		92	
4	Portable identity	7.7.30	-					M		<Q.58.10> or <Q.58.11>or <Q.58.12>	
5	NWK assigned identity	7.7.28	-					M		<Q.56>	
6	Duration	7.7.13	-					M		<Q.41>	
7	IWU-to-IWU	7.7.23	-					O		<Q.51>	

Q.15.25 TEMPORARY-IDENTITY-ASSIGN-ACKnowledge

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)				
			Status	Supp.	Value		Status	Supp.	Value		
					Allowed	Supported			Allowed	Supported	
1	Protocol Discriminator (PD)	7.2	M		5			-			
2	Transaction Identifier (TI)	7.3	M		0,8			-			
3	Message Type (MI)	7.4.5	M		93			-			

Q.15.26 TEMPORARY-IDENTITY-ASSIGN-REject

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		5		-			
2	Transaction Identifier (TI)	7.3	M		8		-			
3	Message Type (MI)	7.4.5	M		95		-			
4	Reject reason	7.7.34	O		<Q.62>		-			

A.5.3.6 Link control entity messages

Q.16 LCE message support

Supported messages						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
1	LCE-PAGE-RESPONSE	6.3.7.1	M		-	
2	LCE-PAGE-REJECT	6.3.7.2	-		M	
3	LCE-REQUEST-PAGE-B-format	6.4.2	-		M	

These messages shall be supported for the network test procedure "test call back".

Q.16.1 LCE-PAGE-RESPONSE

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	M		0		-			
2	Transaction Identifier (TI)	7.3	M		0		-			
3	Message Type (MI)	7.4.6	M		113		-			
4	Portable identity	7.7.30	M		<Q.58>		-			
5	Fixed identity	7.7.18	O		<Q.46>		-			
6	NWK assigned identity	7.7.28	O		<Q.56>		-			
7	Cipher info	7.7.10	O		<Q.51>		-			

Q.16.2 LCE-PAGE-REJECT

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	Protocol Discriminator (PD)	7.2	-				M		0	
2	Transaction Identifier (TI)	7.3	-				M		8	
3	Message Type (MI)	7.4.5	-				M		114	
4	Portable identity	7.7.30	-				M		<Q.58.1-8>	
6	Fixed identity	7.7.18	-				O		<Q.46>	
7	Reject reason	7.7.34	-				M		<Q.62>	

Q.16.3 LCE-REQUEST-PAGE-B-format

Item no.	Name of information element	Ref.	Sending (P to F)				Receipt (F to P)			
			Status	Supp.	Value		Status	Supp.	Value	
					Allowed	Supported			Allowed	Supported
1	LCE header	8.2.1	-				M		<Q.16.3a>	
2	Long address	8.2	-				M		<Q.58>	
3	Short address	8.2	-				M		<Q.58.9-12>	

Q.16.3a LCE header values

Item no.	Values/intervals	Ref.	Status	Supp.
1	LCE header / 0,4	8.2.1	M	
2	LCE header / 3,5-7	8.2.1	O	

A.5.4 Information elements

The supplier of the implementation shall state whether or not each information element for each message specified by ETS 300 175-5 [5]: NL are supported. The supplier shall indicate the type, value(s) and range(s), of each information element. The supplier shall indicate the status of support for sending and receiving each information element in each message.

Q.17 Information element support

Supported information elements						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
0	Codeset shift	7.5.3-4	O		O	
1	Sending complete	7.6.2	C1701		O	
2	Delimiter request	7.6.2	I		C1702	
3	Repeat indicator (non prioritised)	7.6.3	O		X	
4	Repeat indicator (prioritised)	7.6.3	X		X	
5	Basic service	7.6.4	M		M	
6	Single-display	7.6.5	-		X	
7	Single-keypad	7.6.6	X		-	
8	Release-reason	7.6.7	M		O	
9	Signal	7.6.8	-		M	
10	Timer restart	7.6.9	-		M	
11	Test Hook Control	7.6.10	-		M	
12	Allocation type	7.7.2	-		M	
13	Alphanumeric	7.7.3	C1703		C1703	
14	Auth-type	7.7.4	M		M	
15	Call attributes	7.7.5	I		I	
16	Call identity	7.7.6	C1704		C1704	
17	Called party number	7.7.7	O		O	
18	Called party subaddress	7.7.8	O		O	
19	Calling party number	7.7.9	O		O	
20	Cipher info	7.7.10	C1705		C1705	
21	Connection attributes	7.7.11	I		I	
22	Connection identity	7.7.12	I		I	
23	Duration	7.7.13	-		M	
24	End-to-end compatibility	7.7.14	I		I	

continued on next page

continued from previous page

Supported information elements						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
25	Facility	7.7.15	C1706		C1706	
26	Feature activate	7.7.16	M		-	
27	Feature indicate	7.7.17	-		M	
28	Fixed identity	7.7.18	M		M	
29	Identity type	7.7.19	-		M	
30	Info type	7.7.20	C1707		M	
31	IWU attributes	7.7.21	I		I	
32	IWU PACKET	7.7.22	O		O	
33	IWU to IWU	7.7.23	O		O	
34	Key	7.7.24	O		-	
35	Location area	7.7.25	M		M	
36	Multi-display	7.7.26	-		C1708	
37	Multi-keypad	7.7.27	M		-	
38	Network assigned identity	7.7.28	O		O	
39	Network parameter	7.7.29	C1710		O	
40	Portable identity	7.7.30	M		M	
41	Progress indicator	7.7.31	-		M	
42	Rand	7.7.32	M		M	
43	Rate Parameters	7.7.33	I		I	
44	Reject reason	7.7.34	O		M	
45	RES	7.7.35	M		M	
46	RS	7.7.36	-		M	
47	Segmented info	7.7.37	C1709		C1709	
48	Service change info	7.7.38	I		I	
49	Service class	7.7.39	M		M	
50	Setup capability	7.7.40	O		-	
51	Terminal capability	7.7.41	O		-	
52	Transit delay	7.7.42	I		I	
53	Window size	7.7.43	I		I	
54	ZAP field	7.7.44	M		M	

continued on next page

continued from previous page

C1701: IF delim THEN M ELSE X
delim = Q.9/9
C1702: IF req_delim THEN M ELSE X
req_delim = Q.9/10
C1703: IF add_char OR alphanum_class_b OR alphanum_class_c THEN M ELSE O
add_char = Q.9/59
alphanum_class_b = Q.9/32_b
alphanum_class_c = Q.9/32_c
C1704: IF u_encrypt OR c_encrypt THEN O ELSE X
u_encrypt = Q.9/33
c_encrypt = Q.9/34
C1705: IF u_encrypt OR c_encrypt THEN M ELSE O
C1706: IF cr_funct_ss_o OR cr_funct_ss_i OR ci_funct_ss_o OR ci_funct_ss_i THEN M ELSE X
cr_funct_ss_o = Q.9/63_a_o
cr_funct_ss_i = Q.9/63_a_i
ci_funct_ss_o = Q.9/63_b_o
ci_funct_ss_i = Q.9/63_b_i
C1707: IF ext_ho THEN M ELSE O
ext_ho = Q.9/72_e
C1708: IF disp_char OR disp_cont THEN M ELSE X
disp_char = Q.9/28
disp_cont = Q.9/29
C1709: IF alphanum_class_b OR alphanum_class_c THEN M ELSE O
C1710: IF ext_ho THEN M ELSE X

Q.18 Escape support

Supported escape elements						
Item no.	Name	Ref.	Sending (P to F)		Receipt (F to P)	
			Status	Support	Status	Support
1	Escape for non-standard codeset	7.5.2-3	O		O	
2	Escape (fixed length)	7.6.1	-		-	
3	Escape to proprietary (variable length)	7.7.1	X		X	
4	Escape for extension (variable length)	7.7.1	X		X	

A.5.4.1 Fixed length information element support

Q.19 Codeset shift implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier of codeset shift	7.6.1	M		1	
2	Locking/Non-locking bit	7.5.3-4	M		0,1	
3	Codeset shift code	7.5.3-4	M		<Q.19a>	

Q.19a Codeset shift code values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Codeset shift code / 0	7.5.3-4	M	
2	Codeset shift code / 4-7	7.5.3-4	I	

Q.20.1 Sending complete implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier of sending complete	7.6.1	M		2	
2	Sending complete	7.6.2	M		1	

Q.20.2 Delimiter request implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier of delimiter request	7.6.1	M		2	
2	Delimiter request	7.6.2	M		2	

Q.21.1 Repeat indicator (non prioritised list) implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier of repeat indicator	7.6.1	M		5	
2	Repeat indicator	7.6.3	M		1	

Q.21.2 Repeat indicator (prioritised list) implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier of repeat indicator	7.6.1	X			
2	Repeat indicator	7.6.3	X			

Q.22 Basic service implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	M		6	
2	2nd-ID of basic service of fixed length	7.6.1	M		0	
3	Call class	7.6.4	M		<Q.22a>	
4	Basic service	7.6.4	M		<Q.22b>	

Q.22a Call class values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Call class / 0, 2	7.6.4	M	
2	Call class / 4	7.6.4	C221	

C221: IF ext_ho THEN M ELSE X
ext_ho = Q.9/72_e

Q.22b Basic service values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Basic service / 0	7.6.4	M	
2	Basic service / 15	7.6.4	I	

Q.23 Single-display implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	X			
2	2nd-ID of single-display of fixed length	7.6.1	X			
3	Display information	7.6.5	X			

Q.24 Single-keypad implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	X			
2	2nd-ID of single-keypad of fixed length	7.6.1	X			
3	Keypad information	7.6.6	X			

Q.25 Release-reason implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	M		6	
2	2nd-ID of release reason	7.6.1	M		2	
3	Release reason code	7.6.7	M		<Q.25a>	

Q.25a Release reason code values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Release reason code / 02-04,0D (Hex)	7.6.7	M	
2	Release reason code / 00,01,05-09,0E,0F,10-15,21-23,31-34 (Hex)	7.6.7	O	

Q.26 Signal implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	M		6	
2	2nd-ID of signal of fixed length	7.6.1	M		4	
3	Signal value	7.6.8	M		<Q.26a>	

Q.26a Signal value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Signal value / 64-72,79	7.6.8	M	
2	Signal value / 1-8,63	7.6.8	C261	
3	Signal value / 0	7.6.8	C262	

C261: IF sup_tones THEN M ELSE O

sup_tones = Q.9/26

C262: IF sup_tones OR dial_tone THEN M ELSE X

dial_tone = Q.9/64

Q.27 Timer restart implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	M		6	
2	2nd-ID of timer restart of fixed length	7.6.1	M		5	
3	Restart value	7.6.9	M		0	

Q.28 Test hook control implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	M		6	
2	2nd-ID of test hook control	7.6.1	M		6	
3	Hook value	7.6.10	M		<Q.28a>	

NOTE: This information element is mandatory in test standby mode.

Q.28a Hook value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Hook value / 0,1	7.6.10	M	

Q.29 Escape implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	Identifier for double octet	7.6.1	X			
2	2nd-ID of escape	7.6.1	X			

A.5.4.2 Variable length information element support

Q.30 Allocation type implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of allocation type	7.7.1	M		11	
2	Length of Contents (L)	7.7.2	M		2	
3	Authentication algorithm identifier	7.7.2	M		1	
4	User Authentication Key (UAK) number	7.7.2	M		<Q.30a>	
5	Authentication Code (AC) number	7.7.2	M		<Q.30b>	

Q.30a User Authentication Key (UAK) number values

Item no.	Values/intervals	Ref.	Status	Supp.
1	User Authentication Key (UAK) number / 8	7.7.2	M	
1	User Authentication Key (UAK) number / 0-7,9-15	7.7.2	O	

Q.30b Authentication Code (AC) number values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Authentication Code (AC) number / 8	7.7.2	M	
1	Authentication Code (AC) number / 0-7,9-15	7.7.2	M	

Q.31 Alphanumeric implemented (general)

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of alphanumeric	7.7.1	M		118	
2	Length of Contents (L)	7.7.3	M		2-255	
3	Character type	7.7.3	M		<Q.31a>	
4	Odd/even	7.7.3	M		<Q.31b>	
5	Character set	7.7.3	M		<Q.31c>	
6	List of characters	7.7.3	M			

Q.31a Character type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Character type / 1	7.7.3	M	
2	Character type / 0,2	7.7.3	O	

Q.31b Odd/even values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Odd/even / 0	7.7.3	M	
2	Odd/even / 1	7.7.3	O	

Q.31c Character set values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Character set / 1	7.7.3	M	
2	Character set / 2-6	7.7.3	O	

Q.31.1 Alphanumeric implemented (standard 8-bit)

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of alphanumeric	7.7.1	M		118	
2	Length of Contents (L)	7.7.3	M		2-255	
3	Character type	7.7.3	M		1	
4	Odd/even	7.7.3	M		0	
5	Character set	7.7.3	M		<Q.31.1a>	
6	List of characters	7.7.3	M			

Q.31.1a Character set values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Character set / 1	7.7.3	M	
2	Character set / 2-6	7.7.3	O	

Q.31.2 Alphanumeric implemented (standard 4-bit)

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of alphanumeric	7.7.1	C312		118	
2	Length of Contents (L)	7.7.3	C312		2-255	
3	Character type	7.7.3	C312		2	
4	Odd/even	7.7.3	C312		<Q.31.2a>	
5	Character set	7.7.3	C312		<Q.31.2b>	
6	List of characters	7.7.3	C312			

C312: IF (v31=2) THEN M ELSE X
v31 = Q.31a/2

Q.31.2a Odd/even values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Odd/even / 0,1	7.7.3	M	

Q.31.2b Character set values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Character set / 1	7.7.3	M	
2	Character set / 4	7.7.3	O	

Q.32 General Auth-type implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of Auth-type	7.7.1	M		10	
2	Length of Contents (L)	7.7.4	M		3-4	
3	Authentication algorithm identifier	7.7.4	M		<Q.32a>	
4	Proprietary algorithm identifier	7.7.4	C321		0-255	
5	Authentication key type	7.7.4	M		<Q.32b>	
6	Authentication key number	7.7.4	M		<Q.32c>	
7	INCRement bit	7.7.4	M		<Q.32d>	
8	TXC bit	7.7.4	M		<Q.32e>	
9	UPC bit	7.7.4	M		<Q.32f>	
10	Cipher key number	7.7.4	C322		<Q.32g>	

C321: IF (v321=127) THEN M ELSE X
v321 = Q.32a/2

C322: IF (v322=1) THEN M ELSE I
v322 = Q.32/9b

Q.32a Authentication algorithm identifier values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Authentication algorithm identifier / 1	7.7.4	M	
2	Authentication algorithm identifier / 64,127	7.7.4	O	

Q.32b Authentication key type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Authentication key type / 1,3,4	7.7.4	M	

Q.32c Authentication key number values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Authentication key number / 8	7.7.4	M	
2	Authentication key number / 0-7,9-15	7.7.4	O	

Q.32d INCrement bit values

Item no.	Values/intervals	Ref.	Status	Supp.
1	INCrement bit / 0,1	7.7.4	M	

Q.32e TXC bit values

Item no.	Values/intervals	Ref.	Status	Supp.
1	TXC bit / 0	7.7.4	M	
2	TXC bit / 1	7.7.4	O	

Q.32f UPC bit values

Item no.	Values/intervals	Ref.	Status	Supp.
1	UPC bit / 0,1	7.7.4	M	

Q.32g Cipher key number values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Cipher key number / 8	7.7.4	M	
2	Cipher key number / 0-7,9-15	7.7.4	O	

Q.33 Call attributes implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of call attributes of variable length	7.7.1	I			
2	Length of Contents (L)	7.7.5	I			
3	Coding standard	7.7.5	I			
4	Network layer attributes	7.7.5	I			
5	C-plane class	7.7.5	I			
6	C-plane routing	7.7.5	I			
7	U-plane symmetry	7.7.5	I			
8	LU identification	7.7.5	I			
9	LU identification (F => P direction)	7.7.5	I			
10	U-plane class	7.7.5	I			
11	U-plane frame type	7.7.5	I			
12	U-plane class (F => P direction)	7.7.5	I			
13	U-plane frame type (F => P direction)	7.7.5	I			

Q.34 Call identity implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of call identity	7.7.1	M		26	
2	Length of Contents (L)	7.7.6	M		0-1	
3	Transaction Flag (F)	7.3	M		<Q.34a>	
4	Transaction value (TV)	7.3	M		<Q.34b>	
5	Protocol Discriminator (PD)	7.2	M		<Q.34c>	
6	Extended transaction value (TVX)	7.3	X			

Q.34a Transaction Flag (F) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Transaction Flag (F) / 0,1	7.3	M	

Q.34b Transaction value (TV) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Transaction value (TV) / 0	7.3	M	
2	Transaction value (TV) / 1-6	7.3	O	

Q.34c Protocol Discriminator values (PD)

Item no.	Values/intervals	Ref.	Status	Supp.
1	Protocol Discriminator (PD) / 0,3,5	7.2	M	
2	Protocol Discriminator (PD) / 7	7.2	O	

Q.35 Called party number implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of called party number	7.7.1	M		112	
2	Length of Contents (L)	7.7.7	M		2-255	
3	Number type	7.7.7	M		<Q.35a>	
4	Numbering plan identification	7.7.7	M		<Q.35b>	
5	Called party address(the first DECT character)	7.7.7	M		<Q.35c>	

Q.35a Number type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Number type / 0	7.7.7	M	
2	Number type / 1-4,6	7.7.7	O	

Q.35b Numbering plan identification values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Numbering plan identification / 0	7.7.7	M	
2	Numbering plan identification / 1,3,8,9	7.7.7	O	

Q.35c Called party address values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Called party address / 23,2A,30-39 (Hex)	7.7.7	M	
2	Called party address / 61-64(Hex)	7.7.7	C351	
3	Called party address / 05(Hex)	7.7.7	C352	
4	Called party address / 00,02,03,06-0F,11-13,14,16,19-1B,20-7F(Hex)	7.7.7	O	

C351: IF digits_a-d THEN M ELSE X

digits_a-d = Q.9/8

C352: IF pause THEN M ELSE X

pause = Q.9/14

Q.36 Called party subaddress implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of called party subaddress	7.7.1	M		113	
2	Length of Contents (L)	7.7.8	M		2-21	
3	Subaddress type	7.7.8	M		0,2	
4	Odd/even	7.7.8	M		0,1	
5	Called party subaddress	7.7.8	M		max. 40 digits	

NOTE: The network address Network Service Access Point (NSAP) consists of two basic semantic parts: IDP and DSP. The maximum network address length is 20 octets or 40 decimal encoding digits.

Q.37 Calling party number implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of calling party number	7.7.1	M		108	
2	Length of Contents (L)	7.7.9	M		2-255	
3	Number type	7.7.9	M		<Q.37a>	
4	Numbering plan identification	7.7.9	M		<Q.37b>	
5	Presentation indicator	7.7.9	O		0-2	
6	Screening indicator	7.7.9	O		0-3	
7	Calling party address	7.7.9	M		<Q.37c>	

Q.37a Number type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Number type / 0	7.7.9	M	
2	Number type / 1-4,6	7.7.9	O	

Q.37b Numbering plan identification values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Numbering plan identification / 0	7.7.9	M	
2	Numbering plan identification / 1,3,8,9	7.7.9	O	

Q.37c Called party address values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Called party address / 23,2A,30-39 (Hex)	7.7.9	M	
2	Called party address / 61-64(Hex)	7.7.9	C371	
3	Called party address / 00,02,03,05,06-0F,11-13,14,16,19-1B,20-7F(Hex)	7.7.9	O	

C371: IF digits_a-d THEN M ELSE X
digits_a-d = Q.9/8

Q.38 Cipher info implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of cipher info of variable length	7.7.1	M		25	
2	Length of Contents (L)	7.7.10	M		2-3	
3	Enable ciphering	7.7.10	M		<Q.38a>	
4	Cipher algorithm identifier	7.7.10	M		<Q.38b>	
5	Proprietary algorithm identifier	7.7.10	C38		0-255	
6	Cipher key type	7.7.10	M		<Q.38c>	
7	Cipher key number	7.7.10	M		<Q.38d>	

C38: IF (v38=127) THEN M ELSE X
v38 = Q.38b/2

Q.38a Enable ciphering values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Enable ciphering / 0,1	7.7.10	M	

Q.38b Cipher algorithm identifier values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Cipher algorithm identifier / 1	7.7.10	M	
2	Cipher algorithm identifier / 127	7.7.10	O	

Q.38c Cipher key type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Cipher key type / 9	7.7.10	M	
2	Cipher key type / 10	7.7.10	I	

Q.38d Cipher key number values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Cipher key number / 8	7.7.10	M	
2	Cipher key number / 0-7,9-15	7.7.10	0	

Q.39 Connection attributes implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of connection attributes	7.7.1	I			
2	Length of Contents (L)	7.7.11	I			
3	Symmetry	7.7.11	I			
4	Connection identity	7.7.11	I			
5	Target bearers (P => F direction)	7.7.11	I			
6	Minimum bearers (P => F direction)	7.7.11	I			
7	Target bearers (F => P direction)	7.7.11	I			
8	Minimum bearers (F => P direction)	7.7.11	I			
9	MAC slot size	7.7.11	I			
10	MAC service (P => F direction)	7.7.11	I			
11	MAC service (F => P direction)	7.7.11	X			
12	CF channel attributes (P => F direction)	7.7.11	I			
13	MAC packet life time (P =>F direction)	7.7.11	I			
14	CF channel attributes (F => P direction)	7.7.11	I			
15	MAC packet life time (F =>P direction)	7.7.11	I			

Q.40 Connection identity implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of connection identity	7.7.1	I			
2	Length of Contents (L)	7.7.12	I			
3	U-plane link identity	7.7.12	I			
4	Connection identity	7.7.12	I			
5	U-plane link identity	7.7.12	I			
6	Connection identity	7.7.12	I			

Q.41 Duration implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of duration	7.7.1	M		114	
2	Length of Contents (L)	7.7.13	M		1,2	
3	Lock limits	7.7.13	M		<Q.41a>	
4	Time limits	7.7.13	M		<Q.41b>	
5	Time duration	7.7.13	M		<Q.41c>	

Q.41a Lock limits values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Lock limits / 6,7	7.7.13	M	

Q.41b Time limits values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Time limits / 0,2,4,15	7.7.13	M	

Q.41c Time duration values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Time duration / 0-255	7.7.13	M	

Q.42 End-to-end compatibility implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of end-to-end compatibility	7.7.1	I			
2	Length of contents (L)	7.7.14	I			
3	Synchronous/Asynchronous	7.7.14	I			
4	Negotiation	7.7.14	I			
5	User rate	7.7.14	I			
6	Intermediate rate	7.7.14	I			
7	Network indepen. clock on transmission	7.7.14	I			
8	Network indepen. clock on reception	7.7.14	I			
9	Flow control on transmission	7.7.14	I			
10	Flow control on reception	7.7.14	I			
11	Stop bits	7.7.14	I			
12	Data bits	7.7.14	I			
13	Parity	7.7.14	I			
14	Duplex mode	7.7.14	I			
15	Modem type	7.7.14	I			

Q.43 Facility implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of facility of variable length	7.7.1	M		28	
2	Length of Contents (L)	7.7.15	M		2-255	
3	Service discriminator	7.7.15	M		17	
4	Component	7.7.15	M			

Q.44 Feature activate implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of feature activate	7.7.1	M		56	
2	Length of Contents (L)	7.7.16	M		1-2	
3	Feature	7.7.16	M		<Q.44a>	
4	Parameter	7.7.16	C44		0-127	

C44: IF p44 THEN M ELSE X
p44 = (v44=66) OR (v44=68) OR (v44=71) OR (v44=72) OR (v44=96)
v44 = Q.44a/2

Q.44a Feature values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Feature / 1	7.7.16	M	
2	Feature / 15,32,48,66,68,71, 72,96	7.7.16	O	

Q.44.1 Feature - echo control activate implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of feature activate of variable length	7.7.1	C441		56	
2	Length of Contents (L)	7.7.16	C441		2	
3	Feature	7.7.16	C441		72	
4	Parameter1 for FP with 4 wire interface	7.7.16	C411		0-3	
5	Parameter2 for network echo control	7.7.16	C411		0-3	
6	Parameter3 for network echo control	7.7.16	C411		0-3	

C441: IF (v441=72) THEN M ELSE X
v441 = Q.44a/2

Q.44.2 Feature - cost information activate implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of feature activate of variable length	7.7.1	C442		56	
2	Length of Contents (L)	7.7.16	C442		2	
3	Feature	7.7.16	C442		96	
4	Parameter_1 for cost information	7.7.16	C442		1,3	
5	Parameter_2 for cost information	7.7.16	C442		0-2	

C442: IF (v441=96) THEN M ELSE X

Q.45 Feature indicate implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of feature indicate	7.7.1	M		57	
2	Length of Contents (L)	7.7.17	M		2-255	
3	Feature	7.7.17	M		<Q.45a>	
4	Parameter	7.7.17	C450		0-127	
5	Status indicator	7.7.17	M		<Q.45b>	
6	Component	7.7.17	C451			

C450: IF p450 THEN M ELSE X

p450 = (v450=66) OR (v450=68) OR (v450=71) OR (v450=72) OR (v450=96)

v450 = Q.45a/2

C451: IF (v450=48) OR (v450=96) OR (v450=32) THEN M ELSE X

Q.45a Feature values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Feature / 1	7.7.17	M	
2	Feature / 15,32,48,66,68,71, 72,96	7.7.17	O	

Q.45b Status indicator values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Status indicator / 128,129,134	7.7.17	M	
2	Status indicator / 131,132	7.7.17	O	

Q.45.1 Feature - indication of subscriber number indicate implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of feature indicate of variable length	7.7.1	M		57	
2	Length of Contents (L)	7.7.17	M		3-255	
3	Feature	7.7.17	M		48	
4	Status indicator	7.7.17	M		<Q.45.1a>	
5	Subscriber number	7.7.17	M		00,02,03,05-0F,11-14,16,19-1B, 20-7F (Hex)	

Q.45.1a Status indicator values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Status indicator / 128,129	7.7.17	M	
2	Status indicator / 131,132,134	7.7.17	O	

Q.45.2 Feature - echo control indicate implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of feature indicate of variable length	7.7.1	M		57	
2	Length of Contents (L)	7.7.17	M		3	
3	Feature	7.7.17	M		72	
4	Parameter1 for FP with 4 wire interface	7.7.17	M		0-3	
5	Parameter2 for network echo control	7.7.17	M		0-3	
6	Parameter3 for network echo control	7.7.17	M		0-3	
7	Status indicator	7.7.17	M		<Q.45.2a>	
8	Component	7.7.17	X			

Q.45.2a Status indicator values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Status indicator / 128,129	7.7.17	M	
2	Status indicator / 131,132,134	7.7.17	O	

Q.45.3 Feature - cost information indicate implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of feature indicate of variable length	7.7.1	M		57	
2	Length of Contents (L)	7.7.17	M		5-11	
3	Feature	7.7.17	M		96	
4	Parameter_1 for cost information	7.7.17	M		1,3	
5	Parameter_2 for cost information	7.7.17	M		0-2	
6	Status indicator	7.7.17	M		<Q.45.3a>	
7	Charging component	7.7.17	M		1-14,16-23	
8	Length	7.7.17	M		1-7	
9	Value	7.7.17	M		0-255	

Q.45.3a Status indicator values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Status indicator / 128,129	7.7.17	M	
2	Status indicator / 131,132,134	7.7.17	O	

Q.46 Fixed identity implemented

Identity types supported				
Item no.	Type of fixed identity	Ref.	Status	Support
1	Access Rights Identity (ARI)	P-6/5	M	
2	Access rights identity plus radio fixed part number	P-6/5	M	
3	Portable Access Rights Key (PARK)	P-6/6.1	M	

Q.46a Fixed identity implemented

Access rights classes supported				
Item no.	Access rights identity classes	Ref.	Status	Support
1	Access rights identity class A	P-6/5.1	O	
2	Access rights identity class B	P-6/5.2	O	
3	Access rights identity class C	P-6/5.3	M	
4	Access rights identity class D	P-6/5.4	I	

Q.46.1 Fixed identity - Type of ARI & Class A

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	C4601		6	
2	Length of contents (L)	7.5.1	C4601		7	
3	Type	7.7.18	C4601		0	
4	Length indicator	7.7.18	C4601		37	
5	ARC	P-6/7.2	C4601		0	
6	ARD-EMC	P-6/5.1	C4601		<Q.46.1a>	
7	ARD-FPN	P-6/5.1	C4601		<Q.46.1b>	
8	RPN	P-6/5.1	X			

C4601: IF ari_a THEN M ELSE X
ari_a = Q.46a/1

Q.46.1a ARD-EMC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-EMC / 1-65 535	P-6/5.1	M	

Q.46.1b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-131 071	P-6/5.1	M	

Q.46.2 Fixed identity - Type of ARI & Class B

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	C4602		6	
2	Length of contents (L)	7.5.1	C4602		6	
3	Type	7.7.18	C4602		0	
4	Length indicator	7.7.18	C4602		32	
5	ARC	P-6/7.2	C4602		1	
6	ARD-EIC	P-6/5.2	C4602		<Q.46.2a>	
7	ARD-FPN	P-6/5.2	C4602		<Q.46.2b>	
8	ARD-FPS	P-6/5.2	C4602		<Q.46.2c>	
9	RPN	P-6/5.2	X			

C4602: IF ari_b THEN M ELSE X
ari_b = Q.46a/2

Q.46.2a ARD-EIC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-EIC / 1-65 535	P-6/5.2	M	

Q.46.2b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-255	P-6/5.2	M	

Q.46.2c ARD-FPS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPS / 1-15	P-6/5.2	M	

Q.46.3 Fixed identity - Type of ARI & Class C

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	M		6	
2	Length of contents (L)	7.5.1	M		6	
3	Type	7.7.18	M		0	
4	Length indicator	7.7.18	M		32	
5	ARC	P-6/7.2	M		2	
6	ARD-POC	P-6/5.3	M		<Q.46.3a>	
7	ARD-FPN	P-6/5.3	M		<Q.46.3b>	
8	ARD-FPS	P-6/5.3	M		<Q.46.3c>	
9	RPN	P-6/5.3	X			

Q.46.3a ARD-POC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-POC / 1-65 535	P-6/5.3	M	

Q.46.3b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-255	P-6/5.3	M	

Q.46.3c ARD-FPS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPS / 1-15	P-6/5.3	M	

Q.46.4 Fixed identity - Type of ARI & Class D

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	I			
2	Length of contents (L)	7.5.1	I			
3	Type	7.7.18	I			
4	Length indicator	7.7.18	I			
5	ARC	P-6/7.2	I			
6	ARD-GOP-MCC	GSM 03.03	I			
7	ARD-GOP-MNC	GSM 03.03	I			
8	ARD-FPN	P-6/5.4	I			
9	RPN	P-6/5.4	I			

Q.46.5 Fixed identity - Type of ARI+RPN & Class A

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	C4605		6	
2	Length of contents (L)	7.5.1	C4605		7	
3	Type	7.7.18	C4605		1	
4	Length indicator	7.7.18	C4605		40	
5	ARC	P-6/7.2	C4605		0	
6	ARD-EMC	P-6/5.1	C4605		<Q.46.5a>	
7	ARD-FPN	P-6/5.1	C4605		<Q.46.5b>	
8	RPN	P-6/5.1	C4605		<Q.46.5c>	

C4605: IF ari_rpn_a THEN M ELSE X
ari_rpn_a = Q.46a/1

Q.46.5a ARD-EMC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-EMC / 1-65 535	P-6/5.1	M	

Q.46.5b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-131 071	P-6/5.1	M	

Q.46.5c RPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	RPN / 0-7	P-6/5.1	M	

Q.46.6 Fixed identity - Type of ARI+RPN & Class B

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	C4606		6	
2	Length of contents (L)	7.5.1	C4606		7	
3	Type	7.7.18	C4606		1	
4	Length indicator	7.7.18	C4606		40	
5	ARC	P-6/7.2	C4606		1	
6	ARD-EIC	P-6/5.2	C4606		<Q.46.6a>	
7	ARD-FPN	P-6/5.2	C4606		<Q.46.6b>	
8	ARD-FPS	P-6/5.2	C4606		<Q.46.6c>	
9	RPN	P-6/5.2	C4606		<Q.46.6d>	

C4606: IF ari_rpn_b THEN M ELSE X
ari_rpn_b = Q.46a/2

Q.46.6a ARD-EIC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-EIC / 1-65 535	P-6/5.2	M	

Q.46.6b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-255	P-6/5.2	M	

Q.46.6c ARD-FPS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPS / 1-15	P-6/5.2	M	

Q.46.6d RPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	RPN / 0-255	P-6/5.2	M	

Q.46.7 Fixed identity - Type of ARI+RPN & Class C

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	M		6	
2	Length of contents (L)	7.5.1	M		7	
3	Type	7.7.18	M		1	
4	Length indicator	7.7.18	M		40	
5	ARC	P-6/7.2	M		2	
6	ARD-POC	P-6/5.3	M		<Q.46.7a>	
7	ARD-FPN	P-6/5.3	M		<Q.46.7b>	
8	ARD-FPS	P-6/5.3	M		<Q.46.7c>	
9	RPN-LBS	P-6/5.3	M		<Q.46.7d>	
10	RPN-7-MSB	P-6/5.3	M		<Q.46.7e>	

Q.46.7a ARD-POC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-POC / 1-65 535	P-6/5.3	M	

Q.46.7b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-255	P-6/5.3	M	

Q.46.7c ARD-FPS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPS / 1-15	P-6/5.3	M	

Q.46.7d RPN-LBS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	RPN-LBS / 0,1	P-6/5.3	M	

Q.46.7e RPN-7-MBS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	RPN-7-MBS / 0-127	P-6/5.3	M	

Q.46.8 Fixed identity - Type of ARI+RPN & Class D

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	I			
2	Length of contents (L)	7.5.1	I			
3	Type	7.7.18	I			
4	Length indicator	7.7.18	I			
5	ARC	P-6/7.2	I			
6	ARD-GOP-MCC	GSM 03.03	I			
7	ARD-GOP-MNC	GSM 03.03	I			
8	ARD-FPN	P-6/5.4	I			
9	RPN-LSB	P-6/5.4	I			
10	RPN	P-6/5.4	I			

Q.46.9 Fixed identity - Type of PARK & Class A

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	C4609		6	
2	Length of contents (L)	7.5.1	C4609		3-7	
3	Type	7.7.18	C4609		32	
4	Length indicator	7.7.18	C4609		max. 37	
5	ARC	P-6/7.2	C4609		0	
6	ARD-EMC	P-6/6.1.1	C4609		<Q.46.9a>	
7	ARD-FPN	P-6/6.1.1	C4609		<Q.46.9b>	
8	RPN	P-6/5.1	X			

C4609: IF park_a THEN M ELSE X
park_a = Q.46a/1

Q.46.9a ARD-EMC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-EMC / 1-65 535	P-6/6.1.1	M	

Q.46.9b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-131 071	P-6/6.1.1	M	

Q.46.10 Fixed identity - Type of PARK & Class B

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	C4610		6	
2	Length of contents (L)	7.5.1	C4610		3-6	
3	Type	7.7.18	C4610		32	
4	Length indicator	7.7.18	C4610		max. 32	
5	ARC	P-6/7.2	C4610		1	
6	ARD-EIC	P-6/6.1.2	C4610		<Q.46.10a>	
7	ARD-FPN	P-6/6.1.2	C4610		<Q.46.10b>	
8	ARD-FPS	P-6/6.1.2	C4610		<Q.46.10c>	
9	RPN	P-6/5.2	X			

C4610: IF park_b THEN M ELSE X
park_b = Q.46a/2

Q.46.10a ARD-EIC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-EIC / 1-65 535	P-6/6.1.2	M	

Q.46.10b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-255	P-6/6.1.2	M	

Q.46.10c ARD-FPS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPS / 1-15	P-6/6.1.2	M	

Q.46.11 Fixed identity - Type of PARK & Class C

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	M		6	
2	Length of contents (L)	7.5.1	M		3-6	
3	Type	7.7.18	M		32	
4	Length indicator	7.7.18	M		max. 32	
5	ARC	P-6/7.2	M		2	
6	ARD-POC	P-6/5.3	M		<Q.46.11a>	
7	ARD-FPN	P-6/5.3	M		<Q.46.11b>	
8	ARD-FPS	P-6/5.3	M		<Q.46.11c>	
9	RPN	P-6/5.3	X			

Q.46.11a ARD-POC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-POC / 1-65 535	P-6/5.3	M	

Q.46.11b ARD-FPN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPN / 1-255	P-6/5.3	M	

Q.46.11c ARD-FPS values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ARD-FPS / 1-15	P-6/5.3	M	

Q.46.12 Fixed identity - Type of PARK & Class D

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of fixed identity of variable length	7.7.1	I			
2	Length of contents (L)	7.5.1	I			
3	Type	7.7.18	I			
4	Length indicator	7.7.18	I			
5	ARC	P-6/7.2	I			
6	ARD-GOP-MCC	GSM 03.03	I			
7	ARD-GOP-MNC	GSM 03.03	I			
8	ARD-FPN	P-6/5.4	I			
9	RPN	P-6/5.4	I			

Q.47 Identity type implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of identity type	7.7.1	M		2	
2	Length of Contents (L)	7.7.19	M		2	
3	Identity group	7.7.19	M		<Q.47a>	
4	Type	7.7.19	M		<Q.47b>	

Q.47a Identity group values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Identity group / 0,4	7.7.19	M	
2	Identity group / 1,15	7.7.19	O	

Q.47b Type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Type / 0,1,16,32	7.7.19	M	
2	Type / 116,127	7.7.19	O	
3	Type / 0 - 127	7.7.19	C47b	

C47b: IF ident_group = 15 THEN M ELSE X
ident_group = Q.47a/2

Q.47.1 Identity type (portable identity) implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of identity type	7.7.1	M		2	
2	Length of Contents (L)	7.7.19	M		2	
3	Identity group	7.7.19	M		0	
4	Type	7.7.19	M		<Q.47.1a>	

Q.47.1a Type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Type / 0,16,32	7.7.19	M	
2	Type / 1,116,127	7.7.19	X	

Q.47.2 Identity type (fixed identity & PARK) implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of identity type	7.7.1	M		2	
2	Length of Contents (L)	7.7.19	M		2	
3	Identity group	7.7.19	M		4	
4	Type	7.7.19	M		<Q.47.2a>	

Q.47.2a Type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Type / 0,1,32	7.7.19	M	
2	Type / 16,116,127	7.7.19	X	

Q.47.3 Identity type (network assigned identity) implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of identity type	7.7.1	C473		2	
2	Length of Contents (L)	7.7.19	C473		2	
3	Identity group	7.7.19	C473		1	
4	Type	7.7.19	C473		<Q.47.3a>	

C473: IF ident_group = 1 THEN M ELSE X

Q.47.3a Type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Type / 116	7.7.19	M	
2	Type / 127	7.7.19	O	
3	Type / 0,1,16,32	7.7.19	X	

Q.48 Info type implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of info type	7.7.1	M		1	
2	Length of Contents (L)	7.7.20	M		1-13	
3	Parameter coding	7.7.20	M		<Q.48a>	

Q.48a Parameter coding values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Parameter coding / 0	7.7.20	M	
2	Parameter coding / 8-10,12-14,16-19, 32-33	7.7.20	O	

Q.49 IWU attributes implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of IWU attributes of variable length	7.7.1	I			
2	Length of Contents (L)	7.7.21	I			
3	Coding standard	7.7.21	I			
4	Information transfer capability	7.7.21	I			
5	Negotiation indicator	7.7.21	I			
6	External connection type	7.7.21	I			
7	Transfer mode	7.7.21	I			
8	Information transfer rate	7.7.21	I			
9	Unit rate	7.7.21	I			
10	Rate multiplier	7.7.21	I			
11	Structure	7.7.21	I			
12	Configuration	7.7.21	I			
13	Establishment	7.7.21	I			
14	Symmetry	7.7.21	I			
15	Information transfer rate (Destination => Originator)	7.7.21	I			
16	Unit rate	7.7.21	I			
17	Rate multiplier (Dest => Originator)	7.7.21	I			
18	User protocol Id (protocol_Id_type=0)	7.7.21	I			
19	L3 protocol Id (protocol_Id_type=3)	7.7.21	I			
20	L2 protocol Id (protocol_Id_type=2)	7.7.21	I			

Q.50 IWU packet implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of IWU packet	7.7.1	M		122	
2	Length of Contents (L)	7.7.22	M		2-255	
3	Send/Reject	7.7.22	M		0,1	
4	L2 protocol ID	7.7.22	M		0-2,6-8,12,17,18,22	
5	L3 protocol ID	7.7.22	O		0,2,6-10,18	
6	IWU packet information	7.7.22	M			

Q.51 IWU-to-IWU implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of IWU-to-IWU	7.7.1	M		119	
2	Length of Contents (L)	7.7.23	M		2-255	
3	Send/reject	7.7.23	M		0,1	
4	Protocol Discriminator	7.7.23	M		0-2,4,7-9, 16-17,63	
5	IWU to IWU information	7.7.23	M			

Q.52 Key implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of Key	7.7.1	M		86	
2	Length of Contents (L)	7.7.24	M		<Q.52a>	
3	Key type	7.7.24	M		144	
4	Key data	7.7.24	M		<Q.52b>	

Q.52a Length of Contents (L) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of Contents (L) / 9	7.7.24	M	
2	Length of Contents (L) / 2-8,10-255	7.7.24	O	

Q.52b Key data values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Key data / $0 - ((2^{**64}) - 1)$	7.7.24	M	
2	Key data / $0 - ((2^{**((L-1)*8)} - 1))$	7.7.24	O	

Q.53 Location area implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of location area of variable length	7.7.1	M		7	
2	Length of Contents (L)	7.7.25	M		1,2,8	
3	Location Information (LI) type	7.7.25	M		<Q.53a>	
4	Location area level	7.7.25	M		<Q.53b>	
5	Extended Location Information (ELI)	7.7.25	C532		<Q.53c>	
6	GSM MCC	7.7.25	C532		3 BCD digits	
7	GSM MNC	7.7.25	C532		1-2 BCD digits	
8	GSM Location Area Code (LAC)	7.7.25	C532		<Q.53d>	
9	GSM Cell Identity (CI)	7.7.25	C532		<Q.53e>	

C532: IF p532 THEN M ELSE X
p532 = (v530=2) OR (v530=3)
v530 = Q.53a/2

Q.53a Location Information (LI) type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Location Information (LI) type / 1	7.7.25	M	
2	Location Information (LI) type / 2,3	7.7.25	O	

Q.53b Location area level values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Location area level / 0 - 39	7.7.25	M	

Q.53c Extended Location Information (ELI) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Extended Location Information (ELI) / 7,15	7.7.25	M	

Q.53d GSM Location Area Code (LAC) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	GSM Location Area Code (LAC) / 0 - 65535	7.7.25	M	

Q.53e GSM Cell Identity (CI) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	GSM Cell Identity (CI) / 0 - 65535	7.7.25	M	

Q.54 Multi-display implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of multi-display of variable length	7.7.1	M		40	
2	Length of Contents (L)	7.7.26	M		2-255	
3	Display information	7.7.26	M		<Q.54a>	

Q.54a Display information values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Display information / 0C,20,23, 2A,30-39, 61-64 (Hex)	7.7.26	M	
2	Display information / 41-5A,65-7A (Hex)	7.7.26	C540	
3	Display information / 00,02,03,05-0F,11-14,16,19-1B, 20-7F (Hex)	7.7.26	C541	
4	Display information /	7.7.26	C542	

C540: IF (v540=4) THEN M ELSE X

v540 = Q.69/4b

C541: IF (v540=0) OR (v540=5) THEN M ELSE X

C542: IF (v540=15) THEN O ELSE X

Q.55 Multi-keypad implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of multi-keypad of variable length	7.7.1	M		44	
2	Length of Contents (L)	7.7.27	M		2-255	
3	Keypad information	7.7.27	M		<Q.55a>	

Q.55a Keypad information values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Keypad information / 23,2A,30-39 (Hex)	7.7.27	M	
2	Keypad information / 61-64 (Hex)	7.7.27	C551	
3	Keypad information / 00,14,16 (Hex)	7.7.27	C552	
4	Keypad information / 12 (Hex)	7.7.27	C553	
5	Keypad information / 05 (Hex)	7.7.27	C554	
6	Keypad information / 00,02,03,06-0F,11,13,19-1B,20-7F (Hex)	7.7.27	O	

C551: IF digits_a-d THEN M ELSE O

digits_a-d = Q.9/8

C552: IF go_dtmf THEN M ELSE X

go_dtmf = Q.9/12

C553: IF go_pulse THEN M ELSE X

go_pulse = Q.9/13

C554: IF pause THEN M ELSE X

pause = Q.9/14

Q.56 Network assigned identity implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of Network (NWK) assigned identity	7.7.1	M		9	
2	Length of Contents (L)	7.7.28	M		3-18	
3	Type	7.7.28	M		116,127	
4	Length of identity value	7.7.28	M		<Q.56a>	
5	Identity value	7.7.28	M		<Q.56b>	

Q.56a Length of identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of identity value / 0-32	7.7.28	C561	
2	Length of identity value / 0-127	7.7.28	O	

C561: IF (v561=116) THEN M ELSE X

v561 = Q.56/3b

Q.56b Identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Identity value / 0 - ((2**32)-1)	7.7.28	C561	
2	Identity value / 0 - ((2**127)-1)	7.7.28	O	

Q.57 Network parameter implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of Network Parameter	7.7.1	M		65	
2	Length of Contents (L)	7.7.29	M		2-255	
3	Discriminator	7.7.29	M		<Q.57a>	
4	Data field	7.7.29	M		<Q.57b>	

Q.57a Discriminator values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Discriminator / 106	7.7.29	M	
2	Discriminator / 127,234	7.7.29	O	

Q.57b Data field values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Data field / 0 - 255	7.7.29	M	
2	Data field / 0 - ((2**254)-1)	7.7.29	C571	

C571: IF (v571=127) THEN O ELSE X
v571 = Q.57a/2

Q.58 Portable identity implemented

Identity types supported				
Item no.	Type of portable identity	Ref.	Status	Support
1	International Portable User Identity (IPUI) type N	P-6/6.2.1	M	
2	International Portable User Identity (IPUI) type O	P-6/6.2.3	M	
3	International Portable User Identity (IPUI) type P	P-6/6.2.5	M	
4	International Portable User Identity (IPUI) type Q	P-6/6.2.6	M	
5	International Portable User Identity (IPUI) type R	P-6/6.2.8	M	
6	International Portable User Identity (IPUI) type S	P-6/6.2.2	M	
7	International Portable User Identity (IPUI) type T	P-6/6.2.4	M	
8	International Portable User Identity (IPUI) type U	P-6/6.2.7	M	
9	International Portable Part Equipment Identity (IPEI)	P-6/10	M	
10	Default individual Temporary Portable part User Identity (TPUI)	P-6/6.3	M	
11	Assigned individual TPUI	P-6/6.3	M	
12	Connectionless group TPUI	P-6/6.3	C5800	
13	Call group TPUI	P-6/6.3	C5801	

C5800: IF alphanum_class_a OR alphanum_class_b THEN M ELSE O

alphanum_class_a = Q.9/32_a

alphanum_class_b = Q.9/32_b

C5801: IF group_add THEN M ELSE O

group_add = Q.9/58

Q.58.1 Portable identity - types of IPUI-N & IPEI

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		7	
3	Type	7.7.30	M		<Q.58.1a>	
4	Length of identity value	7.7.30	M		40	
5	Portable User Type (PUT)	P-6/6.2.1	M		0	
6	PUN- EMC	P-6/10	M		1-65 535	
7	PUN-PSN	P-6/10	M		0-1048575	

Q.58.1a Type values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Type / 0,16	7.7.30	M	

Q.58.2 Portable identity - type of IPUI-O

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		3-10	
3	Type	7.7.30	M		0	
4	Length of identity value	7.7.30	M		<Q.58.2a>	
5	Portable User Type (PUT)	P-6/7.3	M		1	
6	Portable User Number (PUN)	P-6/6.2.3	M		<Q.58.2b>	

Q.58.2a Length of identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of identity value / 8-64, (mod4)	7.7.30	M	

Q.58.2b Portable User Number (PUN) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Portable User Number (PUN) / 0 - ((2**60)-1)	P-6/6.2.3	M	

Q.58.3 Portable identity - type of IPUI-P

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		5-15	
3	Type	7.7.30	M		0	
4	Length of identity value	7.7.30	M		<Q.58.3a>	
5	Portable User Type (PUT)	P-6/7.3	M		2	
6	PUN-Public Operator Code	P-6/6.2.5	M		<Q.58.3b>	
7	PUN-ACCcount number	P-6/6.2.5	M		<Q.58.3c>	

Q.58.3a Length of identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of identity value / 24-100	7.7.30	M	

Q.58.3b PUN-Public Operator Code values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN-Public Operator Code / 1-65535	P-6/6.2.5	M	

Q.58.3c PUN-ACCcount number values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN-ACCcount number / 0 - ((2**80)-1)	P-6/6.2.5	M	

Q.58.4 Portable identity - type IPUI-Q

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		3-13	
3	Type	7.7.30	M		0	
4	Length of identity value	7.7.30	M		<Q.58.4a>	
5	Portable User Type (PUT)	P-6/7.3	M		3	
6	PUN-BACN	P-6/6.2.6	M		<Q.58.4b>	

Q.58.4a Length of identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of identity value / 8-84	7.7.30	M	

Q.58.4b PUN-BACN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN-BACN / 0 - 20 BCD dig.	P-6/6.2.6	M	

Q.58.5 Portable identity - type of IPUI-R

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		3-10	
3	Type	7.7.30	M		0	
4	Length of identity value	7.7.30	M		<Q.58.5a>	
5	Portable User Type (PUT)	P-6/7.3	M		4	
7	PUN-IMSI	P-6/6.2.7	M		<Q.58.5b>	

Q.58.5a Length of identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of identity value / 8-64, (mod 4)	7.7.30	M	

Q.58.5b PUN-IMSI values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN-IMSI / 0 - 15 BCD dig.	P-6/6.2.7	M	

Q.58.6 Portable identity - type IPUI-S

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		3-10	
3	Type	7.7.30	M		0	
4	Length of identity value	7.7.30	M		<Q.58.6a>	
5	Portable User Type (PUT)	P-6/7.3	M		5	
6	PUN-ISDN/PSTN number	P-6/6.2.2	M		<Q.58.6b>	

Q.58.6a Length of identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of identity value / 8-64, (mod 4)	7.7.30	M	

Q.58.6b PUN-ISDN/PSTN number values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN-ISDN/PSTN number / 0 - 15 BCD dig.	P-6/6.2.2	M	

Q.58.7 Portable identity - type of IPUI-T

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		5-10	
3	Type	7.7.30	M		0	
4	Length of identity value	7.7.30	M		<Q.58.7a>	
5	PUT	P-6/7.3	M		6	
6	PUN-EIC	P-6/6.2.4	M		<Q.58.7b>	
7	PUN	P-6/6.2.4	M		<Q.58.7c>	

Q.58.7a Length of identity value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of identity value / 24-64, (mod 4)	7.7.30	M	

Q.58.7b PUN-EIC values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN-EIC / 1-65 535	P-6/6.2.4	M	

Q.58.7c PUN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN / 0 - 11 BCD dig.	P-6/6.2.4	M	

Q.58.8 Portable identity - type IPUI-U

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		3-13	
3	Type	7.7.30	M		0	
4	Length of identity value	7.7.30	M		84	
5	Portable User Type (PUT)	P-6/7.3	M		7	
6	PUN-CACN	P-6/6.2.7	M		<Q.58.8a>	

C588: IF type_u THEN M ELSE X
type_u = Q.58/8

Q.58.8a PUN-CACN values

Item no.	Values/intervals	Ref.	Status	Supp.
1	PUN-CACN / 0 - 20 BCD dig	P-6/6.2.7	M	

Q.58.9 Portable identity - type default individual TPUI

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		5	
3	Type	7.7.30	M		32	
4	Length of identity value	7.7.30	M		20	
5	First 4 bit	P-6/6.3	M		E (Hex)	
6	Last 16 bits of the least significant portion of IPUI	P-6/6.3	M		<Q.58.9a>	

Q.58.9a Last 16 bits values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Last 16 bits / 0-65535 or 4 BCD digits	P-6/6.3	M	

Q.58.10 Portable identity - type assigned individual TPUI

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	M		5	
2	Length of contents (L)	7.5.1	M		5	
3	Type	7.7.30	M		32	
4	Length of identity value	7.7.30	M		20	
5	First 4 bit	P-6/6.3	M		<Q.58.10a>	
6	Second 4 bit	P-6/6.3	M		<Q.58.10b>	
7	Last 12 bit	P-6/6.3	M		<Q.58.10c>	

Q.58.10a First 4 bit values

Item no.	Values/intervals	Ref.	Status	Supp.
1	First 4 bits / 0-B (Hex)	P-6/6.3	M	

Q.58.10b Second 4 bit values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Second 4 bit / 0-B (Hex)	P-6/6.3	M	

Q.58.10c Last 12 bits values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Last 12 bits / 0-4095	P-6/6.3	M	

Q.58.11 Portable identity - type connectionless group TPUI

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	C5811		5	
2	Length of contents (L)	7.5.1	C5811		5	
3	Type	7.7.30	C5811		32	
4	Length of identity value	7.7.30	C5811		20	
5	First 4 bit	P-6/6.3	C5811		C (Hex)	
6	Second 4 bit	P-6/6.3	C5811		C (Hex)	
7	Last 12 bit	P-6/6.3	C5811		<Q.58.11a>	

C5811: IF type_cls_grp_tpui THEN M ELSE X
type_cls_grp_tpui = Q.58/12

Q.58.11a Last 12 bits values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Last 12 bits / 0-4095	P-6/6.3	M	

Q.58.12 Portable identity - type call group TPUI

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of portable identity of variable length	7.7.1	C5812		5	
2	Length of contents (L)	7.5.1	C5812		5	
3	Type	7.7.30	C5812		32	
4	Length of identity value	7.7.30	C5812		20	
5	First 4 bit	P-6/6.3	C5812		D (Hex)	
6	Second 4 bit	P-6/6.3	C5812		D (Hex)	
7	Last 12 bit	P-6/6.3	C5812		<Q.58.12a>	

C5812: IF type_call_grp_tpui THEN M ELSE X
type_call_grp_tpui = Q.58/13

Q.58.12a Last 12 bits values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Last 12 bits / 0-4095	P-6/6.3	M	

Q.59 Progress indicator implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of progress indicator	7.7.1	M		30	
2	Length of contents (L)	7.7.31	M		2	
3	Coding standard	7.7.31	M		<Q.59a>	
4	Location	7.7.31	M		0-2,4,5, 10,15	
5	Progress description	7.7.31	M		<Q.59b>	

Q.59a Coding standard values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Coding standard / 0	7.7.31	M	
2	Coding standard / 1-3	7.7.31	O	

Q.59b Progress description values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Progress description / 8	7.7.31	M	
2	Progress description / 1-4,9	7.7.31	O	

Q.60 Rand implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of Rand	7.7.1	M		12	
2	Length of contents (L)	7.7.32	M		<Q.60a>	
3	Rand value	7.7.32	M		<Q.60b>	

Q.60a Length of contents (L) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of contents (L) / 8	7.7.32	M	
2	Length of contents (L) / 1-7,9-255	7.7.32	O	

Q.60b Rand value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Rand value / $0 - ((2^{*64})-1)$	7.7.32	M	
2	Rand value / $0 - ((2^{*(255*8)})-1)$	7.7.32	O	

Q.61 Rate parameters implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of rate parameters	7.7.1	I			
2	Length of contents (L)	7.7.33	I			
3	Symmetry	7.7.33	I			
4	Interleaving	7.7.33	I			
5	Class of service	7.7.33	I			
6	Channel_1 rate (P => F)	7.7.33	I			
7	Channel_1 arrangement (P => F)	7.7.33	I			
8	Channel_1 rate (F => P)	7.7.33	I			
9	Channel_1 arrangement (F => P)	7.7.33	I			
10	Channel_2 rate (P => F)	7.7.33	I			
11	Channel_2 arrangement (P => F)	7.7.33	I			
12	Channel_2 rate (F => P)	7.7.33	I			
13	Channel_2 arrangement (F => P)	7.7.33	I			
14	Channel_3 rate (P => F)	7.7.33	I			
15	Channel_3 arrangement (P => F)	7.7.33	I			
16	Channel_3 rate (F => P)	7.7.33	I			
17	Channel_3 arrangement (F => P)	7.7.33	I			

Q.62 Reject reason implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of reject reason	7.7.1	M		96	
2	Length of contents (L)	7.7.34	M		1	
3	Reject reason	7.7.34	M		<Q.62a>	

Q.62a Reject reason values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Reject reason / 10-14,17-19,20,60,64,70 (Hex)	7.7.34	M	
2	Reject reason / 01-03,05,21-24,2F,30.5F (Hex)	7.7.34	O	
3	Reject reason / 40,42(Hex)	7.7.34	C6201	
4	Reject reason / 41,43(Hex)	7.7.34	C6202	

C6201: IF p_dialling_type= 2 OR p_dialling_type= 3 OR p_dialling_type= 4 OR p_dialling_type= 5 OR p_dialling_type= 6 OR p_dialling_type= 7 THEN M ELSE X
C6202: IF p_dialling_type= 1 OR p_dialling_type= 3 OR p_dialling_type= 5 OR p_dialling_type= 6 OR p_dialling_type= 7 THEN M ELSE X
p_dialling_type=Q.85

NOTE: The "test call back" reasons should only be implemented to be received in a {LCE-PAGE-REJECT} message in test standby mode.

Q.63 RES implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of RES	7.7.1	M		13	
2	Length of contents (L)	7.7.35	M		<Q.63a>	
3	RES value	7.7.35	M		<Q.63b>	

Q.63a Length of contents (L) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of contents (L) / 4	7.7.35	M	
2	Length of contents (L) / 1-3,5-255	7.7.35	O	

Q.63b RES value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	RES value / $0 - ((2^{**}32)-1)$	7.7.35	M	
2	RES value / $0 - ((2^{**}(255*8))-1)$	7.7.35	O	

Q.64 RS implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of RS	7.7.1	M		14	
2	Length of contents (L)	7.7.36	M		<Q.64a>	
3	RS value	7.7.36	M		<Q.64b>	

Q.64a Length of contents (L) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of contents (L) / 8	7.7.36	M	
2	Length of contents (L) / 1-7,9-255	7.7.36	O	

Q.64b RS value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	RS value / 0 - ((2**64)-1)	7.7.36	M	
2	RS value / 0 - ((2**(255*8))-1)	7.7.36	O	

Q.65 Segmented info implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of segmented info	7.7.1	M		117	
2	Length of contents (L)	7.7.37	M		2	
3	First segment (F) bit	7.7.37	M		0,1	
4	Number of segments remaining	7.7.37	M		0-127	
5	Segmented info-element type	7.7.37	M		0-127	

Q.66 Service change info implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of service change info	7.7.1	I			
2	Length of contents (L)	7.7.38	I			
3	Coding standard	7.7.38	I			
4	Master (M)	7.7.38	I			
5	Change mode	7.7.38	I			
6	Extended change mode	7.7.38	I			
7	A attributes	7.7.38	I			
8	Reset (R)	7.7.38	I			
9	B attributes	7.7.38	I			

Q.67 Service class implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of service class	7.7.1	M		84	
2	Length of contents (L)	7.7.39	M		1	
3	Service class	7.7.39	M		<Q.67a>	

Q.67a Service class values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Service class / 1-6	7.7.40	M	

Q.68 Setup capability implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of setup capability	7.7.1	M		98	
2	Length of contents (L)	7.7.40	M		<Q.68a>	
3	Setup capability	7.7.40	M		<Q.68b>	
4	Paging capability	7.7.40	M		<Q.68c>	
5	Extension	7.7.40	I			

Q.68a Length of contents (L) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Length of contents (L) / 1	7.7.40	M	
2	Length of contents (L) / 2-255	7.7.40	I	

Q.68b Setup capability values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Setup capability / 1	7.7.40	M	
2	Setup capability / 2	7.7.40	O	

Q.68c Paging capability values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Paging capability / 1	7.7.40	M	
2	Paging capability / 2	7.7.40	O	

Q.69 Terminal capability implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of terminal capability	7.7.1	M		99	
2	Length of contents (L)	7.7.41	M		1-5	
3	Tone capability	7.7.41	M		0-4	
4	Display capability	7.7.41	M		0,1,3,4,5,15	
5	Extended character sets	7.7.41	C691		1-15	
6	Echo param	7.7.41	O		0-2	
7	N-rej	7.7.41	O		0-2	
8	A-vol	7.7.41	O		0-3	
9	slot type capability	7.7.41	O		8,9,24,25	
10	Extension	7.7.41	I			

C691: IF (v691=15) THEN M ELSE X
v691 = Q.69/4b

Q.70 Transit delay implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of transit delay	7.7.1	I			
2	Length of contents (L)	7.7.42	I			
3	Forward delay	7.7.42	I			
4	Backward delay	7.7.42	I			

Q.71 Window size implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of window size	7.7.1	I			
2	Length of contents (L)	7.7.43	I			
3	Forward value	7.7.43	I			
4	Backward value	7.7.43	I			

Q.72 ZAP field implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of ZAP field	7.7.1	M		82	
2	Length of contents (L)	7.7.44	M		1	
3	ZAP value	7.7.44	M		<Q.72a>	

Q.72a ZAP value values

Item no.	Values/intervals	Ref.	Status	Supp.
1	ZAP value / 0-15	7.7.44	M	

Q.73 Escape to proprietary implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of escape to proprietary	7.7.1	X			
2	Length of contents (L)	7.7.1	X			
3	Id of info element	7.7.1	X			
4	Contents					

Q.74 Escape for extension implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	ID of escape for extension	7.7.1	X			
2	Length of contents (L)	7.7.1	X			
3	Id of info element	7.7.1	X			
4	Contents					

A.5.4.3 B-Format message structure support

Q.75 Short TPUI address of LCE-request paging message implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	W-bit	8.2.1	M		0,1	
2	LCE header	8.2.1	M		<Q.75a>	
3	TPUI address (lowest 16 bits)	P-6/6.3.1	M		<Q.75b>	

Q.75a LCE header values

Item no.	Values/intervals	Ref.	Status	Supp.
1	LCE header / 0,4	8.2.1	M	
2	LCE header / 3,5-7	8.2.1	O	

Q.75b TPUI address (lowest 16 bits) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	TPUI address (lowest 16 bits) / 0-65535	P-6/6.3.1	M	

NOTE: Three missing parameters in Q.75 shall take the following default values for the basic MAC connection:

Attributes = "9" symmetric connection;

Target bearers = "1" one target bearer;

MAC pkt life = "8" unlimited.

Q.76 Long TPUI address of LCE-request paging message implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	W-bit	8.2.1	M		1	
2	LCE header	8.2.1	M		<Q.76a>	
3	Attributes	8.2.2	M		<Q.76b>	
4	TPUI address (complete 20 bits)	P-6/6.3.1	M		<Q.76c>	
5	Target bearers	8.2.2	M		<Q.76d>	
6	MAC packet life	8.2.2	M		<Q.76e>	

Q.76a LCE header values

Item no.	Values/intervals	Ref.	Status	Supp.
1	LCE header / 0,4	8.2.1	M	
2	LCE header / 3,5-7	8.2.1	O	

Q.76b Attributes values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Attributes / 4	8.2.2	M	
2	Attributes / 0,5,9,12-15	8.2.2	O	

Q.76c TPUI address (complete 20 bits) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	TPUI address (complete 20 bits) / $(0 - (2^{**}20)-1)$	P-6/6.3.1	M	

Q.76d Target bearers values

Item no.	Values/intervals	Ref.	Status	Supp.
1	Target bearers / 0	8.2.2	M	
2	Target bearers / 1-15	8.2.2	I	

Q.76e MAC packet life values

Item no.	Values/intervals	Ref.	Status	Supp.
1	MAC packet life / 0	8.2.2	M	
2	MAC packet life / 1-15	8.2.2	I	

Q.77 Long IPUI address of LCE-request paging message implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	W-bit	8.2.1	M		0	
2	LCE header	8.2.1	M		<Q.77a>	
3	IPUI class (PUT)	P-6/6.2.1	M		<Q.77b>	
4	IPUI address (PUN lowest 28 bits)	8.2.1	M		<Q.77c>	

Q.77a LCE header values

Item no.	Values/intervals	Ref.	Status	Supp.
1	LCE header / 0,4	8.2.1	M	
2	LCE header / 3,5-7	8.2.1	O	

Q.77b IPUI class (PUT) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	IPUI class (PUT) / 0-7	P-6/6.2.1	M	

Q.77c IPUI address (PUN lowest 28 bits) values

Item no.	Values/intervals	Ref.	Status	Supp.
1	IPUI address (PUN lowest 28 bits) / 7 BCD dig. or (0 - (2**28)-1)	8.2.1	M	

NOTE: Three missing parameters in Q.77 shall take the following default values for the basic MAC connection:

Attributes = "9" symmetric connection;

Target bearers = "1" one target bearer;

MAC pkt life = "8" unlimited.

Q.78 Single section of CLMS-fixed long format message Implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	A-bit	8.3.2	X			
2	CLMS Header	8.3.2	X			
3	First 4 bits of address	P-6/6.3	X			
4	Rest 12 bits of address	P-6/6.3	X			
5	Protocol Discriminator/character type	8.3.2	X			
6	PD/even-odd-bit	8.3.2	X			
7	PD/character set	8.3.2	X			
8	Data	8.3.2	X			
9	Fill	8.3.2	X			

Q.79.1 Address section of CLMS-fixed extended format message implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	A-bit	8.3.2	M		1	
2	CLMS Header	8.3.2	M		1,2,5,6	
3	First 4 bits of address	P-6/6.3	M		C (Hex)	
4	Rest 12 bits of address	P-6/6.3	M		0-4095	
5	Protocol discriminator/character type	8.3.2	M		0-2	
6	PD/even-odd-bit	8.3.2	M		0,1	
7	PD/character set	8.3.2	M		1-6	
8	Length indicator	8.3.2	C7910		9-160	
9	Data	8.3.2	C7911		0-255	

C7910: IF (v791=2) OR (v791=6) THEN M ELSE X
v791 = Q.79.1/2b
C7911: IF (v791=1) OR (v791=5) THEN M ELSE X

Q.79.2 Data section of CLMS-fixed extended format message implemented

Supported parameters						
Field no.	Name of fields	Ref.	Status	Supp	Values	
					Allowed	Supported
1	A-bit	8.3.2	M		0	
2	CLMS Header/Data section number	8.3.2	M		0-4	
3	Data	8.3.2	M			
4	Data/Fill	8.3.2	O			
5	Data/Fill	8.3.2	O			
6	Data/Fill	8.3.2	O			

A.5.5 Procedure support

The supplier of the implementation shall state which procedures are supported by filling the "support" column of following tables.

Q.80 Procedure support

Procedures supported				
Item no.	Name of procedure	Ref.	Status	Support
1	cc_outgoing_normal_call_request	9.3.1.1	M	
2	cc_outgoing_emergency_call_request	9.3.1.1	M	
3	cc_outgoing_external_handover_request	9.3.1.1	C8001	
4	cc_outgoing_selection_of_lower_layer_resources	9.3.1.3	I	
5	cc_outgoing_connection_of_U_plane	9.3.1.4	M	
6	cc_outgoing_overlap_sending	9.3.1.5	C8002	
7	cc_outgoing_call_proceeding	9.3.1.6	M	
8	cc_outgoing_call_confirmation	9.3.1.7	M	
9	cc_outgoing_call_connection	9.3.1.8	M	
10	cc_expiry_of_timer_P<cc.03>	9.3.1.2	M	
11	cc_expiry_of_timer_P<cc.04>	9.3.1.9	O	
12	cc_incoming_call_accept	9.3.2.2	M	
13	cc_incoming_call_reject	9.3.2.2	M	
14	cc_incoming_selection_of_lower_layer_resources	9.3.2.3	I	
15	cc_incoming_connection_of_U_plane	9.3.2.4	M	
16	cc_incoming_overlap_receiving	9.3.2.5	I	
17	cc_incoming_call_proceeding	9.3.2.6	I	
18	cc_incoming_call_confirmation	9.3.2.7	M	
19	cc_incoming_call_connection	9.3.2.8	M	
20_a	cc_incoming_pt_sending_terminal_capability	9.3.2.9	O	
20_b	cc_outgoing_pt_sending_terminal_capability	9.3.1.1	O	
21	cc_call_information	9.4	M	

continued on next page

continued from previous page

Procedures supported				
Item no.	Name of procedure	Ref.	Status	Support
22	cc_starting_side_normal_call_release	9.5.1	M	
23	cc_accepting_side_normal_call_release	9.5.1	M	
24	cc_abnormal_call_release	9.5.2	M	
25	cc_release_collisions	9.5.3	M	
26	cc_bandwidth_changes	9.6.2	I	
27	cc_service_re-routing	9.6.3	I	
28	cc_service_suspension_&_resumption	9.6.4	I	
29	cc_packet_mode_pt_init_access	9.7.2	I	
30	cc_packet_mode_ft_init_access	9.7.3	I	
31	cc_packet_mode_c_plane_suspend_&_resum e	9.7.4.2	I	
32	cc_packet_mode_u_plane_suspend_&_resum e	9.7.4.3	I	
33	crss_keypad_protocol	10.2	M	
34	crss_feature_key_mgt	10.3	M	
35	crss_hold	10.4.1	C8005	
36	crss_retrieve	10.4.1	C8006	
37	crss_facility	10.4.2	C8007	
38	ciss_keypad_protocol	10.2	C8008	
39	ciss_feature_key_mgt	10.3	C8009	
40	ciss_facility	10.4.2	C8010	
41	crss_queue_mgt	10.6.2.1	C8011	
42	crss_indication_of_subscriber_number	10.6.2.2	C8012	
43	ciss_indication_of_subscriber_number	10.6.2.2	C8013	
44	crss_control_of_echo_control_functions	10.6.2.3	O	
45	crss_cost_information	10.6.2.4	C8014	
46	ciss_cost_information	10.6.2.4	C8015	
47	coms_outgoing_establishment_request	11.3.1.1	C8016	
48	coms_outgoing_establishment_connection	11.3.1.2	C8016	
49	coms_incoming_establishment_request	11.3.2.1	C8016	
50	coms_incoming_establishment_connection	11.3.2.2	C8016	
51	coms_data_transfer	11.4	C8016	
52	coms_suspend_&_resume	11.5	C8016	
53	coms_normal_release	11.6.1	C8016	
54	coms_release_collisions	11.6.2	C8016	
55	clms_fixed	12.3.1	C8017	
56	clms_variable	12.3.2	C8018	
57	mm_identification_of_pt	13.2.1	M	
58	mm_temporary_identity_assignment	13.2.2	M	
59	mm_authentication_of_pt	13.3.1	M	

continued on next page

continued from previous page

Procedures supported				
Item no.	Name of procedure	Ref.	Status	Support
60	mm_authentication_of_user	13.3.2	M	
61	mm_authentication_of_ft	13.3.3	M	
62	mm_location_registration	13.4.1	M	
63	mm_detach	13.4.2	C8020	
64	mm_obtain_access_rights	13.5.1	M	
65	mm_pt_init_terminate_access_rights	13.5.2	C8021	
66	mm_ft_init_terminate_access_rights	13.5.2	M	
67	mm_key_allocation	13.6	M	
68	mm_pt_init_parameter_retrieval	13.7	C8022	
69a	mm_ft_init_parameter_retrieval	13.7	C8022	
69b	mm_location_update	13.4.3	M	
70	mm_pt_init_cipher_switching	13.8	C8023	
71	mm_ft_init_cipher_switching	13.8	C8023	
72	lce_direct_pt_init_link_establishment	14.2.2	M	
73	lce_indirect_ft_init_link_establishment	14.2.3	M	
74	lce_direct_ft_init_link_establishment	14.2.4	O	
75	lce_link_maintenance	14.2.5	M	
76	lce_link_suspend	14.2.6.1	I	
77	lce_link_resume	14.2.6.2	I	
78	lce_link_release	14.2.7	M	
79	lce_link_partial_release	14.2.7	C8024	
80	lce_cl_message_routing	14.3.1	C8018	
81	lce_cl_broadcast_announce	14.3.2	C8018	
82	mgt_prioritised_list_negotiation	15.2.2	I	
83	mgt_exchanged_attribute_negotiation	15.2.3	I	
84	mgt_operating_parameter_negotiation	15.2.4	I	
85	mgt_service_modification	15.3	I	
86	mgt_mm_procedures_mgt	15.5	M	
87	mgt_call_ciphering_mgt	15.6	C8023	
88	mgt_external_handover	15.7	C8001	
89	mgt_test_call_back	15.8.1	M	
90	mgt_test_hook_control	15.8.2	M	
91	mgt_upper_tester	15.8.3	X	

C8001: IF ext_ho THEN M ELSE X
ext_ho = Q.9/72_e
C8002: IF dial_type=1 OR dial_type=2 OR dial_type=3 OR dial_type=5 OR dial_type=6 OR dial_type=7
THEN M ELSE O
dial_type = Q.85/1
C8005: IF hold THEN M ELSE X
hold = Q.9/17
C8006: IF re_con OR force_re_con THEN M ELSE X
re_con = Q.9/18
force_re_con = Q.9/19
C8007: IF cr_funct_ss THEN M ELSE X
cr_funct_ss = Q.9/63_a
C8008: IF ci_keypad_ss THEN M ELSE X
ci_keypad_ss = Q.9/61_b
C8009: IF ci_sel_trunk OR ci_hot_bill OR ci_req_tariff OR ci_req_charge OR ci_feat_ss OR
#ci_req_temp_num THEN M ELSE O
ci_sel_trunk = Q.9/15_b
ci_hot_bill = Q.9/38_b
ci_req_tariff = Q.9/39_b
ci_req_charge = Q.9/40_b
ci_feat_ss = Q.9/62_b
ci_req_temp_num = Q.9/65_b
C8010: IF ci_funct_ss THEN M ELSE X
ci_funct_ss = Q.9/63_b
C8011: IF q_mgt OR req_q_in OR req_q_out THEN M ELSE X
C8012: IF cr_req_temp_num THEN M ELSE X
C8013: IF ci_req_temp_num THEN M ELSE X
C8014: IF cr_hot_bill OR cr_req_tariff OR cr_req_charge THEN M ELSE IF debit THEN O ELSE X
debit = Q.9/35
C8015: IF ci_hot_bill OR ci_req_tariff OR ci_req_charge THEN M ELSE IF debit THEN O ELSE X
C8016: IF alphanum_class_c THEN M ELSE O
alphanum_class_c = Q.9/32_c
C8017: IF alphanum_class_a THEN M ELSE O
alphanum_class_a = Q.9/32_a
C8018: IF alphanum_class_b THEN M ELSE O
alphanum_class_b = Q.9/32_b
C8020: IF loc_dereg THEN M ELSE X
loc_dereg = Q.9/42
C8021: IF pt_term THEN M ELSE X
pt_term = Q.9/31_p
C8022: IF ext_ho THEN M ELSE O
C8023: IF u_encrypt OR c_encrypt THEN M ELSE X
u_encrypt = Q.9/33
c_encrypt = Q.9/34
C8024: IF part_rel THEN M ELSE X
part_rel = Q.9/6

Q.81 Error & exception handling procedure support

Item no.	Name of procedure	Ref.	Status	Support
1	eeh_protocol_discriminator_error	17.1	M	
2	eeh_message_too_short	17.2	M	
3	eeh_unsupported_transaction_identity_error	17.3.1	M	
4	eeh_unknown_active_cc_call	17.3.2.1	M	
5	eeh_unknown_active_ciss_call	17.3.2.2	O	
6	eeh_unknown_active_coms_call	17.3.2.3	O	
7	eeh_unknown_active_clms_call	17.3.2.4	O	
8	eeh_unknown_active_mm_transaction	17.3.2.5	M	
9	eeh_cc_message_error	17.4.1	M	
10	eeh_ciss_message_error	17.4.2	O	
11	eeh_coms_&_clms_message_error	17.4.3	O	
12	eeh_mm_message_error	17.4.4	M	
13	eeh_info_element_out_of_sequence	17.5.1	M	
14	eeh_duplicated_info_elements	17.5.2	M	
15	eeh_mandatory_info_element_missing_in_cc_message	17.6.1	M	
16	eeh_mandatory_info_element_content_error_in_cc_message	17.6.2	M	
17	eeh_mandatory_info_element_missing_in_coms_&_clms_message	17.6.3	O	
18	eeh_mandatory_info_element_missing_in_mm_message	17.6.4	M	
19	eeh_unrecognised_info_element	17.7.1	M	
20	eeh_non-mandatory_info_element_content_error	17.7.2	M	
21	eeh_data_link_reset	17.8	M	
22	eeh_data_link_failure	17.9	M	

A.5.6 Negotiation capabilities

The supplier of the implementation shall provide information to describe the negotiation options available in the protocol, and indicate which have been implemented, in the boxes below.

Q.82 Negotiation capabilities

Item no.	Negotiation capabilities	Involved messages	Negotiation Info Element	Sending (P to F)		Receipt (F to P)	
				Status	Support	Status	Support
1	Prioritised list negotiation, max. 3 values for the repeated info element	CC-SETUP	Call attributes	I.1		I.1	
2	Prioritised list negotiation, max. 3 values for the repeated info element	MM-AUTH-REJECT	Auth-type	X		X	
3	Prioritised list negotiation, max. 3 values for the repeated info element	MM-CIPHER-REJECT	Cipher info	X		X	
4	Exchanged attribute negotiation	CC-RELEASE-COM	IWU attributes	I		I	
5	Operating parameter negotiation	CC-SETUP-ACK,CC-ALERTING,CC-CALL-PROC,CC-CONNECT	Window size, Transit delay	I		I	

I.1 Only one information element is allowed

A.5.7 Multi-layer dependencies

The supplier of the implementation shall provide information to identify the implementation support for specific requirements on the underlying layers, not made mandatory by the underlying lay protocol specifications, in the boxes below. Where appropriate, the supplier shall provide an external reference to the completed PICS for the layer standard.

Q.83 Multi-layer dependencies

Support for specific requirements on underlying layers			
Item no.	Layer	Protocol version support	PICS Reference
1	DLC	ETS 300 175-9 [9]: PAP	-
2	MAC	ETS 300 175-9 [9]: PAP	-
3	PHL	ETS 300 175-9 [9]: PAP	-

A.5.8 Real effects features

The supplier of the implementation shall state the support of the feature of the implementation, in the box below.

Q.84 Real effects feature support

Real effects features supported				
Item no.	Name of feature	Ref.	Status	Support
1	Low duty-cycle mode	part 9: 9.1	O	
2	SARIs	part 9: 8.4.2.2	M	
3	TARIs	part 9: 9.5	O	
4	DAM card	part 7: Annex G	O	

A.5.9 Application questions

The supplier of the implementation shall answer the following application questions in the boxes below.

Q.85 Dialling type

Dialling types supported				
Item no.	Name	Comment	Value	
			Allowed	Supported
1	p_dialling_type	1 = piecewise dialling only 2 = en-bloc dialling in Overlap sending state only 3 = both piecewise and en-bloc dialling in Overlap sending state 4 = en-bloc dialling in {CC-SETUP} only 5 = both piecewise and en-bloc dialling in {CC-SETUP} 6 = both en-bloc dialling in {CC-SETUP} and en-bloc dialling in Overlap sending state. 7 = all dialling types i.e. piecewise, en-bloc dialling in Overlap sending state and en-bloc dialling in {CC-SETUP}	1,2,3,4,5,6,7	

Q.86 PT initiated parameter retrieval parameter type support

PT initiated parameter retrieval parameter types supported				
Item no.	Name of parameter type	Ref.	Status	Support
1	location area	part 5: 7.7.20	O	
2	old fixed identity	part 5: 7.7.20	O	
3	old network assigned location area	part 5: 7.7.20	O	
4	old network assigned identity	part 5: 7.7.20	O	
5	old network assigned handover reference	part 5: 7.7.20	O	
6	billing	part 5: 7.7.20	O	
7	debiting	part 5: 7.7.20	O	
8	locate suggest	part 5: 7.7.20	X	
9	external handover parameters	part 5: 7.7.20	O	
10	handover reference	part 5: 7.7.20	O	
11	external handover candidate	part 5: 7.7.20	O	
12	synchronised external handover candidate	part 5: 7.7.20	O	
13	non synchronised external handover candidate	part 5: 7.7.20	O	

Q.87 Other feature

Other feature				
Item no.	Name of feature	Ref.	Status	Support
1	p_defined_time	part 5: 7.7.13	O	
2	p_GSM_derived_cipher_key	part 5: 7.7.24	O	
3	p_sel_lin	part 5: 7.7.16	O	
4	p_feature_key	part 5: 7.7.16	O	

History

Document history	
April 1994	First Edition
January 1996	Converted into Adobe Acrobat Portable Document Format (PDF)