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Common Interface (CI);
Protocol Implementation Conformance Statement (PICS)
proforma;
Part 2: Data Link Control (DLC) layer -
Portable radio Termination (PT)**

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

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Foreword

This final draft European Telecommunication Standard (ETS) has been produced by the Radio Equipment and Systems (RES), Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

The DECT Common interface Protocol Implementation Conformance Statement (PICS) proforma standard comprises seven parts as follows:

- Part 1: "Network (NWK) layer - Portable radio Termination (PT)"
- Part 2: "Data Link Control (DLC) layer - Portable radio Termination (PT)"**
- Part 3: "Medium Access Control (MAC) layer - Portable radio Termination (PT)"
- Part 4: "Network (NWK) layer - Fixed radio Termination (FT)"
- Part 5: "Data Link Control (DLC) layer - Fixed radio Termination (FT)"
- Part 6: "Medium Access Control (MAC) layer - Fixed radio Termination (FT)"
- Part 7: "Physical layer"

Annex A contains the PICS proforma for the PT network layer.

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1 Scope

This final draft European Telecommunication Standard (ETS) provides the Protocol Implementation Conformance Statement (PICS) proforma for the Digital Enhanced Cordless Telecommunications Data Link Control layer at the Portable Termination as defined in ETS 300 175 Part 4 [4] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [14].

The supplier of an implementation which is claimed to conform to ETS 300 175-4 [4] is required to complete a copy of the PICS proforma provided in the annex A of this standard.

2 Normative references

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

- [1] ETS 300 175-1: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] ETS 300 175-2: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer".
- [3] ETS 300 175-3: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] ETS 300 175-4: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
- [5] ETS 300 175-5: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".
- [6] ETS 300 175-6: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing".
- [7] ETS 300 175-7: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features".
- [8] ETS 300 175-8: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech coding and transmission".
- [9] ETS 300 175-9: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 9: Public Access Profile (PAP)".
- [10] ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [11] ISO/IEC 9646-1 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

- [12] ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

3 Definitions, symbols and abbreviations

3.1 Definitions

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

- terms defined in ETS 300 175-1 [1]
- terms defined in ISO/IEC 9646-1 [11] and in ISO/IEC 9646-7 [12].

In particular, the following terms defined in ISO/IEC 9646-1 [11] apply:

Implementation Conformance Statement (ICS): A statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

ICS proforma: A document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

Protocol ICS (PICS): A PICS for an implementation or system claimed to conform to a given protocol specification.

3.2 Abbreviations

For the purposes of this ETS, the abbreviations defined in ISO/IEC 9646-1 [11], the data link control layer abbreviations defined in ETS 300 175-4 [4], and the following abbreviations apply.

ICS	Implementation Conformance Statement
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement
SCS	System Conformance Statement
SUT	System Under Test

4 Conformance requirement to this PICS proforma specification

If it claims to conform to this ETS, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in annex A, and shall preserve the numbering/naming and ordering of the proforma items.

A PICS which conforms to this ETS shall be a conforming PICS proforma completed in accordance with the guidances for completion given in clause A.1.

Annex A (normative): PICS Proforma for DECT DLC PT

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 Introduction for completing the PICS proforma

A.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the portable termination specific data link control layer requirements of ETS 300 175-4 [4]: DECT Data link control layer may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the ETS 300 175-4 [4]: DECT Data link control layer;
- PICS proforma tables;
 - global statement of conformance;
 - functional groups and procedures;
 - timers and protocol parameters;
 - messages;
 - information elements;
 - protocol error handling.

The PICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [12].

Item column

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

Item description column

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

Status column

The following notations, defined in ISO/IEC 9646-7 [12], are used for the status column:

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

Reference column

The reference column gives reference to ETS 300 175-4 [4]: Data link control layer, except where explicitly stated otherwise.

Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [12], are used for the support column:

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

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

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

NOTE: As stated in ISO/IEC 9646-7 [12], support for a PDU requires the ability to parse all valid parameters of that PDU. Supporting a PDU while having no ability to parse a valid parameter is non-conformant. Support for a parameter on a PDU means that the semantics of that parameter are supported.

Values allowed column

The values allowed column contains the values or the ranges of values allowed. The range of value is defined as follows: [min value] .. [max value]. Alternative values are defined as follows:

[value1], [value 2], ..., [value n].

EXAMPLE: '00110000'B .. '01001011'B is the value range
from '00110000'B to '01001011'B

'00110000'B, '01001011'B the value can be '00110000'B or '01001011'B.

Values supported column

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

Prerequisite line

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

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

A.1.2 Guidances for completing the PICS

The supplier of the implementation shall complete the PICS proforma in each of the spaces provided using the notation described in subclause A.1.1. Specific instruction is provided in the text which precedes certain table.

A.2 Identification of the implementation

A.2.1 Date of statement

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

Table A.1 Date of statement

Date of statement		
Day	Month	Year

A.2.2 Implementation Under Test (IUT) identification

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

Table A.2 IUT identification

IUT identification	
IUT name	
IUT version	

A.2.3 System Under Test (SUT) identification

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

Table A.3 SUT identification

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

A.2.4 Product supplier

Table A.4 Product supplier

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

A.2.5 Client identification

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

Table A.5 Client

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

A.2.6 Contact person

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

Table A.6 Contact person

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

A.3 Identification of the protocol

Table A.7 Identification of protocol

Identification of protocol	
Title of specification	Radio Equipment and Systems Digital Enhanced Cordless Telecommunications Common Interface Part 4: Data Link Control Layer
Reference no.	ETS 300 175-4
Date of Publication	

A.4 Global statement of conformance

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

Table A.8 Global statement of conformance

Global statement of conformance	
Are all mandatory capabilities implemented?	

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

A.5 Capabilities

A.5.1 Major capabilities

A.5.1.1 Services

Table A.9 Data link services

Item	Data link services	Ref.	Status	Support
1	C-plane services	5	o	
2	U-plane services	11	o	

Table A.10 C-plane services

Prerequisite: A.9/1				
Item	C-plane services	Ref.	Status	Support
1	Class U service	5.1	o.10	
2	Class A service	5.1	o.10	
3	Class B service	5.1	o.10	
4	Broadcast service	5.2, 9.4	o.10	

o.10: It is mandatory to support at least one of this options

Table A.11 U-plane services

Prerequisite: A.9/2				
Item	U-plane services	Ref.	Status	Support
1	LU1 - Transparent Unprotected service (TRUP)	11.2	o.11	
2	LU2 - Frame Relay service (FREL)	11.3	o.11	
3	LU3 - Frame Switching service (FSWI)	11.4	c1101	
4	LU4 - Forward error correction service (FEC)	11.5	c1101	
5	LU5 - Basic Rate Adaptation (BRAT) protected service	11.6	o.11	
6	LU5 - Basic Rate Adaptation (BRAT) unprotected service	11.6	o.11	
7	LU6 - Secondary Rate Adaptation service (SRAT)	11.7	c1102	
8	LU7 - 64kbit/s data bearer service	11.9	c1103	
9	LU16 - Escape for non-standard family (ESC)	11.8	o.11	

o.11: It is mandatory to support at least one of this options

c1101: The definitive specification of this service is for further study

c1102: IF A.11/6 THEN o ELSE x

c1103: IF 64kbit/s data service required THEN m ELSE n/a

Table A.12 Management services

Item	Management services	Ref.	Status	Support
1	MAC connection management	10.2	c1201	
2	DLC C-plane management	10.3	c1202	
3	DLC U-plane management	10.4	c1203	
4	Connection handover management	10.5	o	
5	Connection ciphering management	10.6	o	

c1201: IF A.9/1 OR A.9/2 THEN m ELSE n/a

c1202: IF A.9/1 THEN m ELSE n/a

c1203: IF A.9/2 THEN m ELSE n/a

A.5.1.2 Procedures

A.5.1.2.1 Generic signalling procedures

Table A.13 Generic signalling procedures

Prerequisite: A.10/2 OR A.10/3				
Item	Generic signalling procedures	Ref.	Status	Supp.
1	Segmentation of NWK information	5.1.1, 7.7	o	
2	C _S channel fragmentation and recombination	6.1.2, 6.1.3, 6.1.4, 6.1.4.2	o.13	
3	C _F channel fragmentation and recombination	6.1.2, 6.1.3, 6.1.4, 6.1.4.1	o.13	

o.13: It is mandatory to support at least one of this options

A.5.1.2.2 Class U procedures

Table A.14 Class U procedures

Prerequisite: A.10/1				
Item	Class U procedures	Ref.	Status	Support
1	Class U link establishment	9.3.2	m	
2	Class U information transfer	9.3.3	m	
3	Class U link release	9.3.4	m	

A.5.1.2.3 Class A procedures

Table A.15 Class A procedures

Prerequisite: A.10/2				
Item	Class A procedures	Ref.	Status	Support
1	Class A link establishment	9.2.3.1	m	
2	Class A acknowledged information transfer	9.2.3.2, 9.2.3.3, 9.2.3.4, 9.2.3.5, 9.2.3.6	m	
3	Class A link release	9.2.3.7	m	
4	Class A link re-establishment	9.2.3.8	o	
5	Class A connection handover	9.2.7.3, 9.2.7.3.1	o	

A.5.1.2.4 Class B procedures

Table A.16 Class B procedures

Prerequisite: A.10/3				
Item	Class B procedures	Ref.	Status	Support
1	Class B multiple frame establishment	9.2.4	m	
2	Class B information transfer	9.2.5	m	
3	Class B link release	9.2.6	m	
4	Class B link suspension and resumption	9.2.7	o	
5	Class B connection handover	9.2.7.3, 9.2.7.3.2	o	

A.5.1.2.5 Broadcast procedures

Table A.17 Broadcast procedures

Prerequisite: A.10/4				
Item	Broadcast procedures	Ref.	Status	Support
1	Normal operation	9.4.1	m	
2	Expedited operation	9.4.2	o	

A.5.1.2.6 LU1 procedures

Table A.18 LU1 procedures

Prerequisite: A.11/1				
Item	LU1 procedures	Ref.	Status	Support
1	U-plane Class 0/min delay	11.2	o.1801	
2	U-plane class 0	11.2	o.1801	
3	FU1 frame operation	12.2	m	

o.1801: It is mandatory to support at least one of these options

Table A.19 FU1 options

Prerequisite: A.18/3				
Item	FU1 options	Ref.	Status	Support
1	FU1 buffering procedures (FU1 frame operation)	12.2.2	m	
2	FU1 minimum delay (speech) operation	12.2.3	m	
3	FU1 connection handover	12.2.4	c1901	
4	FU1 transmission order	12.2.5	m	

c1901: IF A.15/5 OR A.16/5 THEN m ELSE n/a

A.5.1.2.7 LU2 procedures

Table A.20 LU2 procedures

Prerequisite: A.11/2				
Item	LU2 procedures	Ref.	Status	Support
1	Checksum operation	11.3.2	m	
2	Segmentation	11.3.3	m	
3	Data transmission	11.3.4	m	
4	FU4 buffering procedures	12.5.2	o.20	
5	FU5 buffering procedures	12.6.2	o.20	
6	FU6 buffering procedures	12.7.2	o.20	

o.20: It is mandatory to support at least one of this options

Table A.21 FU4 options

Prerequisite: A.20/4				
Item	FU4 options	Ref.	Status	Support
1	FU4 connection handover	12.5.3	o	
2	FU4 transmission order	12.5.4	m	

Table A.22 FU5 options

Prerequisite: A.20/5				
Item	FU5 options	Ref.	Status	Support
1	FU5 connection handover	12.6.3	o	
2	FU5 transmission order	12.6.4	m	

Table A.23 FU6 options

Prerequisite: A.20/6				
Item	FU6 options	Ref.	Status	Support
1	FU6 connection handover	12.7.3	o	
2	FU6 transmission order	12.7.4	m	

A.5.1.2.8 LU5 protected data procedures

Table A.24 LU5 protected data procedures

Prerequisite: A.11/5				
Item	LU5 protected data procedures	Ref.	Status	Support
1	Data buffering and initial rate adaptation	11.6.2.2	m	
2	Multi-channel set multiplexing	11.6.2.3	m	
3	Segmentation of Multiplexed Data Units	11.6.2.4	m	
4	Frame sequencing	11.6.2.5	m	
5	FU5 buffering procedures	12.6.2	m	
6	FU5 connection handover	12.6.3	o	
7	FU5 transmission order	12.6.4	m	

A.5.1.2.9 LU5 unprotected data procedures

Table A.25 LU5 unprotected data procedures

Prerequisite: A.11/6				
Item	LU5 unprotected data procedures	Ref.	Status	Support
1	Data buffering and initial rate adaptation	11.6.3.2	m	
2	Multi-channel set multiplexing	11.6.3.3	m	
3	Segmentation of Multiplexed Data Units	11.6.3.4	m	
4	FU1 buffering procedure	12.2.2	m	
5	FU1 minimum delay (speech) operation	12.2.3	o	
6	FU1 connection handover	12.2.4	o	
7	FU1 transmission order	12.2.5	m	

A.5.1.2.10 LU7 procedures

Table A.26 LU7 procedures

Prerequisite: A.11/8				
Item	LU7 procedures	Ref.	Status	Support
1	Establishment and synchronisation procedures	E.4.3.1	m	
2	Active phase procedures	E.4.3.2	m	
3	Release procedures	E.4.3.3	m	
4	Exceptional procedures	E.4.4	m	

Table A.27 LU7 establishment and synchronisation procedures

Prerequisite: A.26/1				
Item	LU7 establishment and synchronisation procedures	Ref.	Status	Support
1	Incoming call establishment	E.4.3.1.1	m	
2	Outgoing call establishment	E.4.3.1.2	m	

Table A.28 LU7 active phase procedures

Prerequisite: A.26/2				
Item	LU7 active phase procedures	Ref.	Status	Support
1	Transmitting frames	E.4.3.2.1	m	
2	Re-transmitting frames	E.4.3.2.2	m	
3	Receiving frames	E.4.3.2.3	m	
4	Sending acknowledgements	E.4.3.2.4	m	
5	Receiving acknowledgements	E.4.3.2.5	m	

Table A.29 LU7 exceptional procedures

Prerequisite: A.26/4				
Item	LU7 exceptional procedures	Ref.	Status	Support
1	Invalid frame condition	E.4.4.1	m	
2	Establishment	E.4.4.2	m	
3	Transmitting frames	E.4.4.3	m	
4	Receiving frames	E.4.4.4	m	
5	Sending acknowledgements	E.4.4.5	m	
6	N(R) sequence error	E.4.4.7	m	
7	N(O) sequence error	E.4.4.8	m	
8	N(S) sequence error	E.4.4.9	m	
9	Format error	E.4.4.10	m	
10	Abnormal release	E.4.4.11	m	

A.5.1.2.11 Management procedures

Table A.30 Management procedures

Prerequisite: A.12				
Item	Management procedures	Ref.	Status	Support
1	MAC connection management	10.2	c3001	
2	DLC C-plane management	10.3	c3002	
3	DLC U-plane management	10.4	c3003	
4	Connection handover management	10.5	c3004	
5	Connection ciphering management	10.6	c3005	

c3001: IF A.12/1 THEN m ELSE n/a

c3002: IF A.12/2 THEN m ELSE n/a

c3003: IF A.12/3 THEN m ELSE n/a

c3004: IF A.12/4 AND (A.15/5 OR A.16/5 OR A.19/3 OR A.21/1 OR A.22/1 OR A.23/1 OR A.24/6 OR A.25/6) THEN m ELSE x

c3005: IF A.12/5 THEN m ELSE n/a

Table A.31 MAC connection management procedures

Prerequisite: A.30/1				
Item	MAC connection management procedures	Ref.	Status	Support
1	MAC connection set-up	10.2.1	m	
2	MAC connection release	10.2.2	m	
3	MAC connection modification	10.2.3	o	
4	MAC connection identification	10.2.4	m	
5	Selection of logical channels (C_S or C_F)	10.2.5	o	

Table A.32 DLC C-plane management procedures

Prerequisite: A.30/2				
Item	DLC C-plane management procedures	Ref.	Status	Support
1	Provision of link signature	10.3.1	m	
2	Routing of connection oriented links	10.3.2	c3201	
3	Routing of connectionless links	10.3.3	o	

c3201: IF A.9/1 THEN m ELSE n/a

Table A.33 DLC U-plane management procedures

Prerequisite: A.30/3				
Item	DLC U-plane management procedures	Ref.	Status	Support
1	U-plane establishment	10.4.1	m	
2	U-plane release	10.4.2	m	
3	U-plane suspend and resume	10.4.3	o	

Table A.34 Connection ciphering management procedures

Prerequisite: A.30/5				
Item	Connection ciphering management procedures	Ref.	Status	Support
1	Providing a key to the MAC layer	10.6.1	m	
2	Starting the ciphering	10.6.2	m	
3	Stopping the ciphering	10.6.2	o	
4	Connection handover of ciphered connection	10.6.3	c3401	

c3401: IF A.30/4 THEN m ELSE n/a

A.5.2 Protocol parameters

A.5.2.1 C-plane timers

Table A.35 C-plane timers

Prerequisite: A.9/1						
Item	C-plane timers	Ref.	Status	Supp.	Value Allowed	Value Supported
1	DL.00	A.1	c3504		2 s	
2	DL.01	A.1	c3503		2 s	
3	DL.02	A.1	c3504		2 s	
4	DL.03	A.1	c3503		2 s	
5	DL.04 (CF routed frames)	A.1	c3501		1 s	
6	DL.04 (CS routed frames)	A.1	c3502		2 s	
7	DL.05	A.1	c3505		10 s	
8	DL.06	A.1	c3505		4 s	
9	DL.07	A.1	c3506		2 s	

c3501: IF A.13/3 THEN m ELSE n/a

c3502: IF A.13/2 THEN m ELSE n/a

c3503: IF A.16/4 THEN m ELSE n/a

c3504: IF A.10/3 THEN m ELSE n/a

c3505: IF A.30/4 THEN m ELSE n/a

c3506: IF A.10/2 THEN m ELSE n/a

A.5.2.2 U-plane timers

Table A.36 U-plane timers

Prerequisite: A.9/2						
Item	U-plane timers	Ref.	Status	Supp.	Value Allowed	Value Supported
1	DLU.01	A.1	c3601		2 s	

c3601: IF A.43/4 OR A.43/5 OR A.43/6 THEN m ELSE n/a

A.5.2.3 Class A parameters

Table A.37 Class A parameter values

Prerequisite: A.10/2				
Item	Class A parameter	Ref.	Status	Support
1	Fixed window size of 1	9.2.3.2, 7.5.2.2	m	
2	Modulus 2	9.2.3.2, 7.5.2.1	m	

A.5.2.4 Class B parameters

Table A.38 Class B parameter values

Prerequisite: A.10/3				
Item	Class B parameter	Ref.	Status	Support
1	Fixed window size of 3	7.5.2.2	m	
2	Modulus 8	9.2.4.2, 7.5.2.1	m	

A.5.2.5 LU1 parameters

Table A.39 LU1 Frame types

Prerequisite: A.11/1				
Item	Frame types	Ref.	Status	Support
1	FU1 frame structure	11.2, 12.2	m	

Table A.40 LU1 Connection types

Prerequisite: A.11/1				
Item	Connection types	Ref.	Status	Support
1	IN / min delay - Half slot (10 octets)	11.2, 12.2.1	o.40	
2	IN / normal delay - Half slot (10 octets)	11.2, 12.2.1	o.40	
3	IN / min delay - Full slot (40 octets)	11.2, 12.2.1	o.40	
4	IN / normal delay - Full slot (40 octets)	11.2, 12.2.1	o.40	
5	IN / min delay - Double slot (100 octets)	11.2, 12.2.1	o.40	
6	IN / normal delay - Double slot (100 octets)	11.2, 12.2.1	o.40	

o.40: It is mandatory to support at least one of this options

A.5.2.6 LU2 parameters

Table A.41 LU2 Frame types

Prerequisite: A.11/2				
Item	Frame type	Ref.	Status	Support
1	FU4 frame structure	11.3.3, 12.5.1	c4101	
2	FU5 frame structure	11.3.3, 12.6.1	c4102	
3	FU6 frame structure	11.3.3, 12.7.1	c4103	

c4101: IF A.43/2 OR A.43/5 OR A.43/8 THEN m ELSE n/a
c4102: IF A.43/1 OR A.43/4 OR A.43/7 THEN m ELSE n/a
c4103: IF A.43/3 OR A.43/6 OR A.43/9 THEN m ELSE n/a

Table A.42 LU2 Connection types

Prerequisite: A.11/2				
Item	Connection types	Ref.	Status	Support
1	IP / error-detect- Half slot (08 octets)	11.3, 12.5.1, 12.6.1, 12.7.1	o.42	
2	IP / error-correct- Half slot (08 octets)	11.3, 12.5.1, 12.6.1, 12.7.1	o.42	
3	IP / error-detect- Full slot (32 octets)	11.3, 12.5.1, 12.6.1, 12.7.1	o.42	
4	IP / error-correct- Full slot (32 octets)	11.3, 12.5.1, 12.6.1, 12.7.1	o.42	
5	IP / error-detect- Double slot (80 octets)	11.3, 12.5.1, 12.6.1, 12.7.1	o.42	
6	IP / error-correct- Double slot (80 octets)	11.3, 12.5.1, 12.6.1, 12.7.1	o.42	

o.42: It is mandatory to support at least one of this options

Table A.43 LU2 Transmission classes

Prerequisite: A.11/2				
Item	Transmission classes	Ref.	Status	Support
1	class 0 / bi- or unidirectional	11.3.3	o.43	
2	class 0 / bidirectional	11.3.3	o.43	
3	class 0 / unidirectional	11.3.3	o.43	
4	class 1 / bi- or unidirectional	11.3.3	o.43	
5	class 1 / bidirectional	11.3.3	o.43	
6	class 1 / unidirectional	11.3.3	o.43	
7	class 2 / bi- or unidirectional	11.3.3	o.43	
8	class 2 / bidirectional	11.3.3	o.43	
9	class 2 / unidirectional	11.3.3	o.43	

o.43: It is mandatory to support at least one of this options

A.5.2.7 LU5 parameters

Table A.44 LU5 Frame types

Prerequisite: A.11/5 OR A.11/6				
Item	Frame type	Ref.	Status	Support
1	FU1 frame structure	11.6.3.1, 12.2	c4401	
2	FU5 frame structure	11.6.2.1, 12.6	c4402	

c4401: IF A.11/6 THEN m ELSE n/a

c4402: IF A.11/5 THEN m ELSE n/a

Table A.45 LU5 Connection types

Prerequisite: A.11/5 OR A.11/6				
Item	Connection types	Ref.	Status	Support
1	IP / error-detect- Half slot (08 octets)	11.3, 12.6.1	o.45	
2	IP / error-correct- Half slot (08 octets)	11.3, 12.6.1	o.45	
3	IP / error-detect- Full slot (32 octets)	11.3, 12.6.1	o.45	
4	IP / error-correct- Full slot (32 octets)	11.3, 12.6.1	o.45	
5	IP / error-detect- Double slot (80 octets)	11.3, 12.6.1	o.45	
6	IP / error-correct- Double slot (80 octets)	11.3, 12.6.1	o.45	

o.45: It is mandatory to support at least one of this options

Table A.46 LU5 Transmission classes

Prerequisite: A.11/5 OR A.11/6				
Item	Transmission classes	Ref.	Status	Support
1	class 0	11.6.2	c4601	
2	class 3	11.6.2	c4602	

c4601: IF A.44/1 THEN m ELSE n/a

c4602: IF A.44/2 THEN m ELSE n/a

A.5.2.8 LU7 parameters

Table A.47 LU7 Frame types

Prerequisite: A.11/8				
Item	Frame types	Ref.	Status	Support
1	FU7 frame structure	E.4.2	m	

Table A.48 LU7 Connection types

Prerequisite: A.11/8				
Item	Connection types	Ref.	Status	Support
1	IN / normal delay - Double slot (100 octets)	E.3	m	

Table A.49 LU7 Transmission classes

Prerequisite: A.11/8				
Item	Transmission classes	Ref.	Status	Support
1	class 0		m	

A.5.3 Protocol PDUs

A.5.3.1 C-plane PDUs

A.5.3.1.1 C-plane frame structure

Table A.50 Frame structures (Sending P to F)

Item	Frame Structures	Ref.	Status	Support
1	Frame structure of format type FA.	6.1	c5001	
2	Broadcast service frame structure	6.2	n/a	

c5001: IF A.9/1 THEN m ELSE n/a

Table A.51 Frame structures (Receipt F to P)

Item	Frame Structures	Ref.	Status	Support
1	Frame structure of format type FA.	6.1	c5101	
2	Broadcast service frame structure	6.2	c5102	

c5101: IF A.9/1 THEN m ELSE n/a

c5102: IF A.10/4 THEN m ELSE n/a

Table A.52 Frame format type FA (Sending P to F)

Prerequisite: A.50/1				
Item	Frame elements	Ref.	Status	Support
1	Address field	6.1	m	
2	Control field	6.1	m	
3	Length indicator field	6.1	m	
4	Information field	6.1	c5201	
5	Fill field	6.1	m	
6	Checksum field	6.1	m	

c5201: IF A.55/1 OR A.57/1 OR A.59/1 THEN m ELSE x

Table A.53 Frame format type FA (Receipt F to P)

Prerequisite: A.51/1				
Item	Frame elements	Ref.	Status	Support
1	Address field	6.1	m	
2	Control field	6.1	m	
3	Length indicator field	6.1	m	
4	Information field	6.1	c5301	
5	Fill field	6.1	m	
6	Checksum field	6.1	m	

c5301: IF A.56/1 OR A.58/1 OR A.60/1 THEN m ELSE x

Table A.54 Broadcast service frame structure (Receipt F to P)

Prerequisite: A.51/2				
Item	Frame elements	Ref.	Status	Support
1	Short frame format (3 octets)	6.2.1	o.54	
2	Long frame format (5 octets)	6.2.1	o.54	

o.54: It is mandatory to support at least one of this options

A.5.3.1.2 C-plane messages

A.5.3.1.2.1 Message support

Table A.55 Class A messages support (Sending P to F)

Prerequisite: A.10/2				
Item	Class A messages	Ref.	Status	Support
1	I-command	7.11, 9.1	m	
2	RR-command/response	7.11, 9.1	m	

Table A.56 Class A messages support (Receipt F to P)

Prerequisite: A.10/2				
Item	Class A messages	Ref.	Status	Support
1	I-command	7.11, 9.1	m	
2	RR-command/response	7.11, 9.1	m	

Table A.57 Class B messages support (Sending P to F)

Prerequisite: A.10/3				
Item	Class B messages	Ref.	Status	Support
1	I-command	7.11, 9.1	m	
2	RR-command/response	7.11, 9.1	m	
3	RNR-command/response	7.11, 9.1	m	
4	REJ-command/response	7.11, 9.1	m	
5	SABM-command	7.11, 9.1	m	
6	DM-response	7.11, 9.1	m	
7	DISC-command	7.11, 9.1	m	
8	UA-response	7.11, 9.1	m	

Table A.58 Class B messages support (Receipt F to P)

Prerequisite: A.10/3				
Item	Class B messages	Ref.	Status	Support
1	I-command	7.11, 9.1	m	
2	RR-command/response	7.11, 9.1	m	
3	RNR-command/response	7.11, 9.1	m	
4	REJ-command/response	7.11, 9.1	m	
5	SABM-command	7.11, 9.1	m	
6	DM-response	7.11, 9.1	m	
7	DISC-command	7.11, 9.1	m	
8	UA-response	7.11, 9.1	m	

Table A.59 Class U messages support (Sending P to F)

Prerequisite: A.10/1				
Item	Class U messages	Ref.	Status	Support
1	UI-command	7.11, 9.1	m	

Table A.60 Class U messages support (Receipt F to P)

Prerequisite: A.10/1				
Item	Class U messages	Ref.	Status	Support
1	UI-command	7.11, 9.1	m	

A.5.3.1.2.2 Class A I-command

Table A.61 Class A I-command (Numbered Information) (Sending P to F)

Prerequisite: A.55/1				
Item	I-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Information field	6.1	m	
5	Fill field	7.8	m	
6	Checksum field	7.9	m	

Table A.62 Class A I-command (Numbered Information) (Receipt F to P)

Prerequisite: A.55/1				
Item	I-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Information field	6.1	m	
5	Fill field	7.8	m	
6	Checksum field	7.9	m	

Table A.63 Class A I-command Control field (Sending P to F)

Prerequisite: A.61/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'0'B	
2	N(S)	7.4, 7.5.2.4	m		'000'B .. '001'B	
3	P	7.4, 7.5.1, 9.2.1.1	m		'0'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '001'B	

Table A.64 Class A I-command Control field (Receipt F to P)

Prerequisite: A.62/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'0'B	
2	N(S)	7.4, 7.5.2.4	m		'000'B .. '001'B	
3	P	7.4, 7.5.1, 9.2.1.1	m		'0'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '001'B	

Table A.65 Class A I-command Address field (Sending P to F)

Prerequisite: A.61/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.1	m		'001'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.66 Class A I-command Address field (Receipt F to P)

Prerequisite: A.62/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.1	m		'001'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.3 Class A RR command/response

Table A.67 Class A RR-command/response (Receive ready) (Sending P to F)

Prerequisite: A.55/2				
Item	RR-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.68 Class A RR-command/response (Receive ready) (Receipt F to P)

Prerequisite: A.56/2				
Item	RR-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.69 Class A RR Control field (Sending P to F)

Prerequisite: A.67/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'00'B	
3	P/F	7.4, 7.5.1, 9.2.1.1	m		'0'B	
4	N(R)	7.4, 7.5.2.4	m		'000'B .. '001'B	

Table A.70 Class A RR Control field (Receipt F to P)

Prerequisite: A.68/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'00'B	
3	P/F	7.4, 7.5.1, 9.2.1.1	m		'0'B	
4	N(R)	7.4, 7.5.2.4	m		'000'B .. '001'B	

Table A.71 Class A RR Address field (Sending P to F)

Prerequisite: A.67/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.1	m		'001'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.72 Class A RR Address field (Receipt F to P)

Prerequisite: A.68/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.1	m		'001'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.4 Class B I-command

Table A.73 Class B I-command (Numbered Information) (Sending P to F)

Prerequisite: A.57/1				
Item	I-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Information field	6.1	m	
5	Fill field	7.8	m	
6	Checksum field	7.9	m	

Table A.74 Class B I-command (Numbered Information) (Receipt F to P)

Prerequisite: A.58/1				
Item	I-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Information field	6.1	m	
5	Fill field	7.8	m	
6	Checksum field	7.9	m	

Table A.75 Class B I-command Control field (Sending P to F)

Prerequisite: A.73/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'0'B	
2	N(S)	7.4, 7.5.2.4	m		'000'B .. '111'B	
3	P	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.76 Class B I-command Control field (Receipt F to P)

Prerequisite: A.74/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'0'B	
2	N(S)	7.4, 7.5.2.4	m		'000'B .. '111'B	
3	P	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.77 Class B I-command Address field (Sending P to F)

Prerequisite: A.73/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '110'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.78 Class B I-command Address field (Receipt F to P)

Prerequisite: A.74/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.5 Class B RR command/response

Table A.79 Class B RR-command/response (Receive ready) (Sending P to F)

Prerequisite: A.57/2				
Item	RR-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.80 Class B RR-command/response (Receive ready) (Receipt F to P)

Prerequisite: A.58/2				
Item	RR-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.81 Class B RR Control field (Sending P to F)

Prerequisite: A.79/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'00'B	
3	P/F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.82 Class B RR Control field (Receipt F to P)

Prerequisite: A.80/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'00'B	
3	P/F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.83 Class B RR Address field (Sending P to F)

Prerequisite: A.79/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B, '1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.84 Class B RR Address field (Receipt F to P)

Prerequisite: A.80/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B, '1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.6 Class B RNR command/response

Table A.85 Class B RNR command/response (Receive Not Ready) (Sending P to F)

Prerequisite: A.57/3				
Item	RNR-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.86 Class B RNR command/response (Receive Not Ready) (Receipt F to P)

Prerequisite: A.58/3				
Item	RNR-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.87 Class B RNR Control field (Sending P to F)

Prerequisite: A.85/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'01'B	
3	P/F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.88 Class B RNR Control field (Receipt F to P)

Prerequisite: A.86/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'01'B	
3	P/F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.89 Class B RNR Address field (Sending P to F)

Prerequisite: A.85/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B, '1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.90 Class B RNR Address field (Receipt F to P)

Prerequisite: A.86/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B, '1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.7 Class B REJ command/response

Table A.91 Class B REJ command/response (Reject) (Sending P to F)

Prerequisite: A.57/4				
Item	REJ-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Information field	6.1	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.92 Class B REJ command/response (Reject) (Receipt F to P)

Prerequisite: A.58/4				
Item	REJ-command/response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Information field	6.1	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.93 Class B REJ Control field (Sending P to F)

Prerequisite: A.91/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'10'B	
3	P/F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.94 Class B REJ Control field (Receipt F to P)

Prerequisite: A.92/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'01'B	
2	S bits	7.4, 7.11	m		'10'B	
3	P/F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	N(R)	7.4, 7.5.2.6	m		'000'B .. '111'B	

Table A.95 Class B REJ Address field (Sending P to F)

Prerequisite: A.91/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B, '1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.96 Class B REJ Address field (Receipt F to P)

Prerequisite: A.92/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B, '1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.8 Class B SABM command

Table A.97 Class B SABM command (Set Asynchronous Balanced Mode) (Sending P to F)

Prerequisite: A.57/5				
Item	SABM-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.98 Class B SABM command (Set Asynchronous Balanced Mode) (Receipt F to P)

Prerequisite: A.58/5				
Item	SABM-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.99 Class B SABM Control field (Sending P to F)

Prerequisite: A.97/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'11'B	
3	P	7.4, 7.5.1, 9.2.1.2	m		'1'B	
4	U bits part 2	7.4, 7.11	m		'001'B	

Table A.100 Class B SABM Control field (Receipt F to P)

Prerequisite: A.98/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'11'B	
3	P	7.4, 7.5.1, 9.2.1.2	m		'1'B	
4	U bits part 2	7.4, 7.11	m		'001'B	

Table A.101 Class B SABM Address field (Sending P to F)

Prerequisite: A.97/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '110'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.102 Class B SABM Address field (Receipt F to P)

Prerequisite: A.98/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '110'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.9 Class B DM response

Table A.103 Class B DM-response (Disconnect Mode) (Sending P to F)

Prerequisite: A.57/6				
Item	DM-response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.104 Class B DM-response (Disconnect Mode) (Receipt F to P)

Prerequisite: A.58/6				
Item	DM-response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.105 Class B DM Control field (Sending P to F)

Prerequisite: A.103/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'11'B	
3	F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	U bits part 2	7.4, 7.11	m		'000'B	

Table A.106 Class B DM Control field (Receipt F to P)

Prerequisite: A.104/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'11'B	
3	F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	U bits part 2	7.4, 7.11	m		'000'B	

Table A.107 Class B DM Address field (Sending P to F)

Prerequisite: A.103/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.108 Class B DM Address field (Receipt F to P)

Prerequisite: A.104/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.10 Class B DISC command

Table A.109 Class B DISC command (Disconnect) (Sending P to F)

Prerequisite: A.57/7				
Item	DISC-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.110 Class B DISC command (Disconnect) (Receipt F to P)

Prerequisite: A.58/7				
Item	DISC-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.111 Class B DISC Control field (Sending P to F)

Prerequisite: A.109/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'00'B	
3	P	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	U bits part 2	7.4, 7.11	m		'010'B	

Table A.112 Class B DISC Control field (Receipt F to P)

Prerequisite: A.110/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'00'B	
3	P	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	U bits part 2	7.4, 7.11	m		'010'B	

Table A.113 Class B DISC Address field (Sending P to F)

Prerequisite: A.109/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.114 Class B DISC Address field (Receipt F to P)

Prerequisite: A.110/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.11 Class B UA response

Table A.115 Class B UA-response (Unnumbered ACK) (Sending P to F)

Prerequisite: A.57/8				
Item	UA-response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.116 Class B UA-response (Unnumbered ACK) (Receipt F to P)

Prerequisite: A.58/8				
Item	UA-response - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Fill field	7.8	m	
5	Checksum field	7.9	m	

Table A.117 Class B UA Control field (Sending P to F)

Prerequisite: A.115/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'00'B	
3	F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	U bits part 2	7.4, 7.11	m		'011'B	

Table A.118 Class B UA Control field (Receipt F to P)

Prerequisite: A.116/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'00'B	
3	F	7.4, 7.5.1, 9.2.1.2	m		'0'B, '1'B	
4	U bits part 2	7.4, 7.11	m		'011'B	

Table A.119 Class B UA Address field (Sending P to F)

Prerequisite: A.115/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

Table A.120 Class B UA Address field (Receipt F to P)

Prerequisite: A.116/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B	
4	LLN	7.2, 7.3.5, 9.2.2.2	m		'010'B .. '111'B	
5	NLF	7.2, 7.3.4	m		'0'B, '1'B	

A.5.3.1.2.12 Class U UI command

Table A.121 Class U UI command (Unnumbered Information) (Sending P to F)

Prerequisite: A.59/1				
Item	UI-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Information field	6.1	m	
5	Fill field	7.8	m	
6	Checksum field	7.9	m	

Table A.122 Class U UI command (Unnumbered Information) (Receipt F to P)

Prerequisite: A.60/1				
Item	UI-command - Name of field	Ref.	Status	Supp.
1	Address field	7.2	m	
2	Control field	7.4	m	
3	Length indicator field	7.6	m	
4	Information field	6.1	m	
5	Fill field	7.8	m	
6	Checksum field	7.9	m	

Table A.123 Class U UI Control field (Sending P to F)

Prerequisite: A.121/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'00'B	
3	P	7.4, 7.5.1, 9.3.3.1	m		'0'B	
4	U bits part 2	7.4, 7.11	m		'000'B	

Table A.124 Class U UI Control field (Receipt F to P)

Prerequisite: A.122/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	7.4	m		'11'B	
2	U bits part 1	7.4, 7.11	m		'00'B	
3	P	7.4, 7.5.1, 9.3.3.1	m		'0'B	
4	U bits part 2	7.4, 7.11	m		'000'B	

Table A.125 Class U UI Address field (Sending P to F)

Prerequisite: A.121/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'0'B	
3	SAPI	7.2, 7.3.3	m		'00'B, '11'B	
4	LLN	7.2, 7.3.5	m		'000'B	
5	NLF	7.2, 7.3.4, 9.3.3.1	m		'0'B	

Table A.126 Class U UI Address field (Receipt F to P)

Prerequisite: A.122/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	RES	7.2, 7.3.1	m		'1'B	
2	C/R	7.2, 7.3.2	m		'1'B	
3	SAPI	7.2, 7.3.3	m		'00'B, '11'B	
4	LLN	7.2, 7.3.5	m		'000'B	
5	NLF	7.2, 7.3.4, 9.3.3.1	m		'0'B	

A.5.3.2 U-plane PDUs

Table A.127 U-plane frames (Sending P to F)

Prerequisite: A.9/2				
Item	U-plane frames	Ref.	Status	Support
1	FU1 frame structure	12.2.1	c12701	
2	FU2 frame structure	12.3.1	c12702	
3	FU3 frame structure	12.4.1	c12703	
4	FU4 frame structure	12.5.1	c12704	
5	FU5 frame structure	12.6.1	c12705	
6	FU6 frame structure	12.7.1	c12706	
7	FU7 frame structure	E.4.2	c12707	

c12701: IF A.39/1 OR A.44/1 THEN m else n/a
 c12702: The use of this frame is for future application
 c12703: The use of this frame is for future application
 c12704: IF A.41/1 THEN m else n/a
 c12705: IF A.41/2 OR A.44/2 THEN m else n/a
 c12706: IF A.41/3 THEN m else n/a
 c12707: IF A.47/1 THEN m else n/a

Table A.128 U-plane frames (Receipt F to P)

Prerequisite: A.9/2				
Item	U-plane frames	Ref.	Status	Support
1	FU1 frame structure	12.2.1	c12801	
2	FU2 frame structure	12.3.1	c12802	
3	FU3 frame structure	12.4.1	c12803	
4	FU4 frame structure	12.5.1	c12804	
5	FU5 frame structure	12.6.1	c12805	
6	FU6 frame structure	12.7.1	c12806	
7	FU7 frame structure	E.4.2	c12807	

c12801: IF A.39/1 OR A.44/1 THEN m else n/a
 c12802: The use of this frame is for future application
 c12803: The use of this frame is for future application
 c12804: IF A.41/1 THEN m else n/a
 c12805: IF A.41/2 OR A.44/2 THEN m else n/a
 c12806: IF A.41/3 THEN m else n/a
 c12807: IF A.47/1 THEN m else n/a

A.5.3.2.1 FU1 frame structure

Table A.129 FU1 frame structure (Sending P to F)

Prerequisite: A.127/1				
Item	FU1 frame structure - Name of field	Ref.	Status	Supp.
1	Higher layer information	12.2.1	m	

Table A.130 FU1 frame structure (Receipt F to P)

Prerequisite: A.128/1				
Item	FU1 frame structure - Name of field	Ref.	Status	Supp.
1	Higher layer information	12.2.1	m	

A.5.3.2.2 FU4 frame structure

Table A.131 FU4 frame structure (Sending P to F)

Prerequisite: A.127/4				
Item	FU4a frame structure - Name of field	Ref.	Status	Supp.
1	Length indicator field	12.5.1, 13.3.2	m	
2	Send sequence number	12.5.1, 13.4.1	m	
3	Receive sequence number	12.5.1, 13.4.3	m	
4	Information field	12.5.1	m	
5	Fill field	13.5	m	

Table A.132 FU4 frame structure (Receipt F to P)

Prerequisite: A.128/4				
Item	FU4a frame structure - Name of field	Ref.	Status	Supp.
1	Length indicator field	12.5.1, 13.3.2	m	
2	Send sequence number	12.5.1, 13.4.1	m	
3	Receive sequence number	12.5.1, 13.4.3	m	
4	Information field	12.5.1	m	
5	Fill field	13.5	m	

Table A.133 FU4 Length indicator field (Sending P to F)

Prerequisite: A.131/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	M (more data bit)	13.3.2	m		'0'B, '1'B	
2	Length of information field	13.3.2	m		7 bits value	

Table A.134 FU4 Length indicator field (Receipt F to P)

Prerequisite: A.132/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	M (more data bit)	13.3.2	m		'0'B, '1'B	
2	Length of information field	13.3.2	m		7 bits value	

Table A.135 FU4 Send sequence number (Sending P to F)

Prerequisite: A.131/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ESi	13.4.1, 13.4.2, 14.2, 14.3	m		7 bits value	
2	I/R bit	13.4.1, 13.4.2	m		'0'B, '1'B	

Table A.136 FU4 Send sequence number (Receipt F to P)

Prerequisite: A.132/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ESi	13.4.1, 13.4.2, 14.2, 14.3	m		7 bits value	
2	I/R bit	13.4.1, 13.4.2	m		'0'B, '1'B	

Table A.137 FU4 Receive sequence number (Sending P to F)

Prerequisite: A.131/3						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ERi	13.4.3, 13.4.4, 14.2, 14.3	m		7 bits value	
2	A/N bit	13.4.3, 13.4.4	m		'0'B, '1'B	

Table A.138 FU4 Receive sequence number (Receipt F to P)

Prerequisite: A.132/3						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ERi	13.4.3, 13.4.4, 14.2, 14.3	m		7 bits value	
2	A/N bit	13.4.3, 13.4.4	m		'0'B, '1'B	

A.5.3.2.3 FU5 frame structure

Table A.139 FU5 frame structure (Sending P to F)

Prerequisite: A.127/5				
Item	FU5 frame structure - Name of field	Ref.	Status	Supp.
1	Address field	12.6.1, 13.2.1	m	
2	Length indicator field	12.6.1, 13.3.2	m	
3	Send sequence number	12.6.1, 13.4.1	m	
4	Receive sequence number	12.6.1, 13.4.3	m	
5	Information field	12.6.1	m	
6	Fill field	13.5	m	

Table A.140 FU5 frame structure (Receipt F to P)

Prerequisite: A.128/5				
Item	FU5 frame structure - Name of field	Ref.	Status	Supp.
1	Address field	12.6.1, 13.2.1	m	
2	Length indicator field	12.6.1, 13.3.2	m	
3	Send sequence number	12.6.1, 13.4.1	m	
4	Receive sequence number	12.6.1, 13.4.3	m	
5	Information field	12.6.1	m	
6	Fill field	13.5	m	

Table A.141 FU5 Address field (Sending P to F)

Prerequisite: A.139/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	13.2	m		'1'B	
2	UCN (U-plane Channel Number)	13.2	m		'000'B .. '110'B	
3	ULN (U-plane Link Number)	13.2	m		'000'B .. '110'B	
4	G (flaG)	13.2	m		'0'B, '1"B	

Table A.142 FU5 Address field (Receipt F to P)

Prerequisite: A.140/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	Spare field	13.2	m		'1'B	
2	UCN (U-plane Channel Number)	13.2	m		'000'B .. '110'B	
3	ULN (U-plane Link Number)	13.2	m		'000'B .. '110'B	
4	G (flaG)	13.2	m		'0'B, '1'B	

Table A.143 FU5 Length indicator field (Sending P to F)

Prerequisite: A.139/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	M (more data bit)	13.3.2	m		'0'B, '1'B	
2	Length of information field	13.3.2	m		7 bits value	

Table A.144 FU5 Length indicator field (Receipt F to P)

Prerequisite: A.140/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	M (more data bit)	13.3.2	m		'0'B, '1'B	
2	Length of information field	13.3.2	m		7 bits value	

Table A.145 FU5 Send sequence number (Sending P to F)

Prerequisite: A.139/3						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ESi	13.4.1, 13.4.2, 14.2, 14.3	m		7 bits value	
2	I/R bit	13.4.1, 13.4.2	m		'0'B, '1'B	

Table A.146 FU5 Send sequence number (Receipt F to P)

Prerequisite: A.140/3						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ESi	13.4.1, 13.4.2, 14.2, 14.3	m		7 bits value	
2	I/R bit	13.4.1, 13.4.2	m		'0'B, '1'B	

Table A.147 FU5 Receive sequence number (Sending P to F)

Prerequisite: A.139/4						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ERi	13.4.3, 13.4.4, 14.2, 14.3	m		7 bits value	
2	A/N bit	13.4.3, 13.4.4	m		'0'B, '1'B	

Table A.148 FU5 Receive sequence number (Receipt F to P)

Prerequisite: A.140/4						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ERi	13.4.3, 13.4.4, 14.2, 14.3	m		7 bits value	
2	A/N bit	13.4.3, 13.4.4	m		'0'B, '1'B	

A.5.3.2.4 FU6a frame structure

Table A.149 FU6a frame structure (Sending P to F)

Prerequisite: A.127/6				
Item	FU6a frame structure - Name of field	Ref.	Status	Supp.
1	Length indicator field	12.7.1, 13.3.2	m	
2	Send sequence number	12.7.1, 13.4.1	m	
3	Information field	12.7.1	m	
4	Fill field	13.5	m	

Table A.150 FU6a frame structure (Receipt F to P)

Prerequisite: A.128/6				
Item	FU6a frame structure - Name of field	Ref.	Status	Supp.
1	Length indicator field	12.7.1, 13.3.2	m	
2	Send sequence number	12.7.1, 13.4.1	m	
3	Information field	12.7.1	m	
4	Fill field	13.5	m	

Table A.151 FU6a Length indicator field (Sending P to F)

Prerequisite: A.149/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	M (more data bit)	13.3.2	m		'0'B, '1'B	
2	Length of information field	13.3.2	m		7 bits value	

Table A.152 FU6a Length indicator field (Receipt F to P)

Prerequisite: A.150/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	M (more data bit)	13.3.2	m		'0'B, '1'B	
2	Length of information field	13.3.2	m		7 bits value	

Table A.153 FU6a Send sequence number (Sending P to F)

Prerequisite: A.149/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ESi	13.4.1, 13.4.2, 14.2, 14.3	m		7 bits value	
2	I/R bit	13.4.1, 13.4.2	m		'0'B, '1'B	

Table A.154 FU6a Send sequence number (Receipt F to P)

Prerequisite: A.150/2						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ESi	13.4.1, 13.4.2, 14.2, 14.3	m		7 bits value	
2	I/R bit	13.4.1, 13.4.2	m		'0'B, '1'B	

A.5.3.2.5 FU6b frame structure

Table A.155 FU6b frame structure (Sending P to F)

Prerequisite: A.127/6				
Item	FU6b frame structure - Name of field	Ref.	Status	Supp.
1	#1 Receive sequence number	12.7.1, 13.4.3	m	
2	#2 Receive sequence number	12.7.1, 13.4.3	m	
3	#3 Receive sequence number	12.7.1, 13.4.3	m	
4	#4 Receive sequence number	12.7.1, 13.4.3	m	
5	#5 Receive sequence number	12.7.1, 13.4.3	m	
6	#6 Receive sequence number	12.7.1, 13.4.3	m	
7	#7 Receive sequence number	12.7.1, 13.4.3	m	

Table A.156 FU6b frame structure (Receipt F to P)

Prerequisite: A.128/6				
Item	FU6b frame structure - Name of field	Ref.	Status	Supp.
1	#1 Receive sequence number	12.7.1, 13.4.3	m	
2	#2 Receive sequence number	12.7.1, 13.4.3	m	
3	#3 Receive sequence number	12.7.1, 13.4.3	m	
4	#4 Receive sequence number	12.7.1, 13.4.3	m	
5	#5 Receive sequence number	12.7.1, 13.4.3	m	
6	#6 Receive sequence number	12.7.1, 13.4.3	m	
7	#7 Receive sequence number	12.7.1, 13.4.3	m	

Table A.157 FU6b Receive sequence number (Sending P to F)

Prerequisite: A.155/1 TO A.155/7						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ERi	13.4.3, 13.4.4, 14.2, 14.3	m		7 bits value	
2	A/N bit	13.4.3, 13.4.4	m		'0'B, '1'B	

Table A.158 FU6b Receive sequence number (Receipt F to P)

Prerequisite: A.156/1 TO A.156/7						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	ERi	13.4.3, 13.4.4, 14.2, 14.3	m		7 bits value	
2	A/N bit	13.4.3, 13.4.4	m		'0'B, '1'B	

A.5.3.2.6 FU7 frame structure

Table A.159 FU7 64 kbit/s frame structure (Sending P to F)

Prerequisite: A.127/7				
Item	FU7 64 kbit/s frame structure - Name of field	Ref.	Status	Supp.
1	Control field (12 bytes)	E.4.2.1, E.4.2.1.10	m	
2	Information field (80 bytes)	E.4.2.2	m	
3	ARQ Checksum (2 bytes)	E.4.2.3	m	
4	RS parity symbol field (6 bytes)	E.4.2	m	

Table A.160 FU7 64 kbit/s frame structure (Receipt F to P)

Prerequisite: A.128/7				
Item	FU7 64 kbit/s frame structure - Name of field	Ref.	Status	Supp.
1	Control field (12 bytes)	E.4.2.1, E.4.2.1.10	m	
2	Information field (80 bytes)	E.4.2.2	m	
3	ARQ Checksum (2 bytes)	E.4.2.3	m	
4	RS parity symbol field (6 bytes)	E.4.2	m	

Table A.161 FU7 64 kbit/s control field (Sending P to F)

Prerequisite: A.159/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	N(O)	E.4.2.1.4	m		6 bits value	
2	Format-1	E.4.2.1.1	m		'00'B	
3	N(S)	E.4.2.1.7	m		3 bits value	
4	N(R)	E.4.2.1.9	m		3 bits value	
5	Format-2	E.4.2.1.1	m		'00'B, '01'B	
6	Octet 3	E.4.2.1, E.4.2.1.10	m		'0000000'B	
7	Octet 4	E.4.2.1, E.4.2.1.10	m		'0000000'B	
8	Octet 5	E.4.2.1, E.4.2.1.10	m		'0000000'B	
9	Octet 6	E.4.2.1, E.4.2.1.10	m		'0000000'B	
10	Octet 7	E.4.2.1, E.4.2.1.10	m		'0000000'B	
11	Octet 8	E.4.2.1, E.4.2.1.10	m		'0000000'B	
12	Octet 9	E.4.2.1, E.4.2.1.10	m		'0000000'B	
13	Octet 10	E.4.2.1, E.4.2.1.10	m		'0000000'B	
14	Octet 11	E.4.2.1, E.4.2.1.10	m		'0000000'B	
15	Octet 12	E.4.2.1, E.4.2.1.10	m		'0000000'B	

Table A.162 FU7 64 kbit/s control field (Receipt F to P)

Prerequisite: A.160/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	N(O)	E.4.2.1.4	m		6 bits value	
2	Format-1	E.4.2.1.1	m		'00'B	
3	N(S)	E.4.2.1.7	m		3 bits value	
4	N(R)	E.4.2.1.9	m		3 bits value	
5	Format-2	E.4.2.1.1	m		'00'B, '01'B	
6	Octet 3	E.4.2.1, E.4.2.1.10	m		'00000000'B	
7	Octet 4	E.4.2.1, E.4.2.1.10	m		'00000000'B	
8	Octet 5	E.4.2.1, E.4.2.1.10	m		'00000000'B	
9	Octet 6	E.4.2.1, E.4.2.1.10	m		'00000000'B	
10	Octet 7	E.4.2.1, E.4.2.1.10	m		'00000000'B	
11	Octet 8	E.4.2.1, E.4.2.1.10	m		'00000000'B	
12	Octet 9	E.4.2.1, E.4.2.1.10	m		'00000000'B	
13	Octet 10	E.4.2.1, E.4.2.1.10	m		'00000000'B	
14	Octet 11	E.4.2.1, E.4.2.1.10	m		'00000000'B	
15	Octet 12	E.4.2.1, E.4.2.1.10	m		'00000000'B	

Table A.163 FU7 72 kbit/s frame structure (Sending P to F)

Prerequisite: A.127/7				
Item	FU7 72 kbit/s frame structure - Name of field	Ref.	Status	Supp.
1	Control field (2 bytes)	E.4.2.1	m	
2	Information field (90 bytes)	E.4.2.2	m	
3	ARQ Checksum (2 bytes)	E.4.2.3	m	
4	RS parity symbol field (6 bytes)	E.4.2	m	

Table A.164 FU7 72 kbit/s frame structure (Receipt F to P)

Prerequisite: A.128/7				
Item	FU7 72 kbit/s frame structure - Name of field	Ref.	Status	Supp.
1	Control field (2 bytes)	E.4.2.1	m	
2	Information field (90 bytes)	E.4.2.2	m	
3	ARQ Checksum (2 bytes)	E.4.2.3	m	
4	RS parity symbol field (6 bytes)	E.4.2	m	

Table A.165 FU7 72 kbit/s control field (Sending P to F)

Prerequisite: A.163/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	N(O)	E.4.2.1.4	m		6 bits value	
2	Format-1	E.4.2.1.1	m		'01'B	
3	N(S)	E.4.2.1.7	m		3 bits value	
4	N(R)	E.4.2.1.9	m		3 bits value	
5	Format-2	E.4.2.1.1	m		'00'B, '01'B	

Table A.166 FU7 72 kbit/s control field (Receipt F to P)

Prerequisite: A.164/1						
Item	Name of sub-field	Ref.	Status	Supp.	Value Allowed	Value Supported
1	N(O)	E.4.2.1.4	m		6 bits value	
2	Format-1	E.4.2.1.1	m		'01'B	
3	N(S)	E.4.2.1.7	m		3 bits value	
4	N(R)	E.4.2.1.9	m		3 bits value	
5	Format-2	E.4.2.1.1	m		'00'B, '01'B	

A.5.4 Protocol error handling

A.5.4.1 General error handling

Table A.167 General error handling

Prerequisite: A.10/1 OR A.10/2 OR A.10/3				
Item	General error handling	Ref.	Status	Support
1	Unknown frames are discarded	9.2.9.1, 7.11	m	
2	Invalid frames are discarded	9.2.9.1, 6.1.5	m	

A.5.4.2 Class A error handling and recovery

Table A.168 Class A error handling and recovery

Prerequisite: A.10/2				
Item	Class A error handling and recoverys	Ref.	Status	Support
1	Waiting for acknowledgement, timer DL.04 expiry	9.2.3.6	m	

A.5.4.3 Class B error handling and recovery

Table A.169 Class B error handling and recovery

Prerequisite: A.10/3				
Item	Class B error handling and recovery	Ref.	Status	Support
1	N(S) sequence error	9.2.9.2.1	m	
2	N(R) sequence error	9.2.9.2.2	m	
3	Timer recovery condition	9.2.9.2.3	m	

History

Document history			
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