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**TETRAPOL FORUM**

**TETRAPOL Secretariat**

**Postal address:** BP 40 78392 Bois d'Arcy CEDEX - FRANCE

Tel.: +33 1 34 60 55 88 - Fax: +33 1 30 45 28 35

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## Foreword

This document is the Publicly Available Specification (PAS) of the TETRAPOL land mobile radio system, which shall provide digital narrow band voice, messaging, and data services. Its main objective is to provide specifications dedicated to the more demanding PMR segment: the public safety. These specifications are also applicable to most PMR networks.

This PAS is a multipart document which consists of:

Part 1	General Network Design
Part 2	Radio Air interface
Part 3	Air Interface Protocol
Part 4	Gateway to X.400 MTA
Part 5	Dispatch Centre interface
Part 6	Line Connected Terminal interface
Part 7	Codec
Part 8	Radio conformance tests
<b>Part 9</b>	<b>Air interface protocol conformance tests</b>
Part 10	Inter System Interface
Part 11	Gateway to PABX, ISDN, PDN
Part 12	Network Management Centre interface
Part 13	User Data Terminal to System Terminal interface
Part 14	System Simulator
Part 15	Gateway to External Data Terminal
Part 16	Security
TTR 1	Guide to TETRAPOL features
Part 18	Base station to Radioswitch interface
Part 19	Stand Alone Dispatch Position interface



## 1. Scope

This Publicly Available Specification (PAS) provides the Protocol Implementation Conformance Statement (PICS) proforma for the « TETRAPOL Radio Terminal (RT) and the TETRAPOL Line Connected Terminal (LCT); Voice plus Data (V + D); Part 2: Air Interface (A/I) » defined in PAS 0001-3-1 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [8], ETS 300 406 [6], and in ETR 212 [9]. The details of Supplementary Services (SS) and security aspects of V+D are outside the scope of this PAS.

## 2. Normative References

This PAS incorporates by dated and 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 PAS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] PAS 0001-3-1 (January 1998): "TETRAPOL Specifications; Air Interface Application Protocol".
- [2] PAS 0001-3-2 (January 1998): "TETRAPOL Specifications; Air Interface Applications Messages".
- [3] PAS 0001-3-3 (January 1998): "TETRAPOL Specifications; Air Interface Transport Protocol".
- [4] PAS 0001-3-4 (January 1998): "TETRAPOL Specifications; Circuit mode Air Interface Protocol".
- [5] PAS 0001-2 (January 1998): "TETRAPOL Specifications; Radio Air Interface".
- [6] ETS 300 406 (April 1995): "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardisation methodology".
- [7] ISO/IEC 9646-1 : "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [8] ISO/IEC 9646-7 : "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
- [9] ETR 212 (December 1995): "Methods for testing and Specification (MTS); Implementation Conformance Statement (ICS) proforma style guide".

## 3. Definitions, and abbreviations

### 3.1. Definitions

For the purposes of this PAS, the following definitions apply:

- Terms defined in PAS 0001-3-1 [1];
- Terms defined in ISO/IEC 9646-1 [7] and in ISO/IEC 9646-7 [8].

In particular, the following terms defined in ISO/IEC 9646-1 [7] 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):** An ICS for an implementation or system claimed to conform to a given protocol specification.

### 3.2. Abbreviations

For the purposes of this PAS, the following abbreviations apply:

CC	Call Control
CCH	Control CHannel
DM	Direct Mode
DM/NM	Direct Mode / Network Monitoring
ICS	Implementation Conformance Statement
LCT	Line Connected Terminal
LLC	Logical Link Control
MAC	Medium Access Control
MM	Mobility Management
MOCH	Multisite Open CHannel
OG	Operational Group
PABX	Private Automatic Branch eXchange
PAS	Publicly Available Specification
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
PMR	Private Mobile Radiocommunications
RSW	RadioSWitch
RT	Radio Terminal
SDP	Submit Data Protocol
SwMI	Switching and Management Infrastructure
TCH	Traffic CHannel
TP	TransPort layer
TTI	Temporary Terminal Identifier

## 4. Conformance to this PICS proforma specification

If it claims to conform to this PAS, 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 PAS shall be a conforming PICS proforma completed in accordance with the guidance for completion given in clause A.1.

## Annex A (normative): Protocol ICS proforma for PAS 0001-3-1

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

### A.1 Guidance 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 requirements defined in PAS 0001-3-1 [1] may provide information about the implementation in a standardised manner.

The PICS proforma is subdivided into sub-clauses for the following categories of information:

- Guidance for completing the PICS proforma;
- Identification of the implementation;
- Identification of the protocol;
- Global statement of conformance;
- Call Control
- Mobility Management
- Security Mechanism
- Data

#### A.1.2 Abbreviations and conventions

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

##### Item column

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

##### Item description column

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

##### Status column

The following notations, defined in ISO/IEC 9646-7 [8], are used for the status column:

m	mandatory - the capability is required to be supported.
o	optional - the capability may be supported or not.
n/a	not applicable - in the given context, it is impossible to use the capability.
x	prohibited (excluded) - there is a requirement not to use this capability in the given context.
o.i	qualified optional - for mutually exclusive or select table options from a set. “i” is an integer which identifies a unique group of related optional items and the logic of their selection which is defined immediately following the table.
ci	conditional - the requirement on the capability (“m”, “o”, “x” or “n/a”) depends on the support of other optional or conditional items. “i” is an integer identifying a unique conditional status expression which is defined immediately following the table.

Table A.1: General condition table

Condition identifier	Condition definition
c001	If KEY_REFERENCE = Key supplied THEN m ELSE n/a.
c002	If A.83/3 THEN m ELSE n/a. -- Crisis Open Channel supported
c003	If A.83/2 THEN m ELSE n/a.-- Broadcast Open Channel supported
c004	If OG_NB ≠ 0 THEN m ELSE n/a.
c005	If COVERAGE_LIST ≠ 0 THEN m ELSE n/a.
c006	If A.5/2 THEN m ELSE n/a. -- Group Communication supported
c007	If A.82/1 THEN m ELSE n/a. -- Open Channel supported
c008	If A.83/3 THEN m ELSE n/a. -- Emergency Open Channel supported
c009	If A.84/1 THEN m ELSE n/a. -- Open channel set-up implemented
c010	If A.122/2 THEN m ELSE n/a. -- Emergency Initiating RT mode and Remote Emergency open channel setup mode supported
c011	If A.122/1 AND A.121/2 THEN m ELSE n/a. -- Emergency Initiating RT mode and Local Emergency open channel setup supported OR Emergency Distant RT mode supported
c012	If (A.126/1 OR A.127/1) THEN m ELSE n/a. -- (Dispatch Acknowledge crisis open channel set-up mode supported AND Emergency situation signalling supported) OR (Dispatch Private Call mode supported AND Emergency situation signalling supported)
c013	If A.126/1 THEN m ELSE n/a. -- (Dispatch Acknowledge crisis open channel set-up mode supported AND Emergency situation signalling supported)
c014	If (A.124/4 OR A.125/3 OR A.126/4) THEN m ELSE n/a. -- RT information on Emergency open channel supported
c015	If (A.124/5 OR A.125/5 OR A.126/6) THEN m ELSE n/a. -- RT participation in Emergency open channel supported
c016	If A.124/6 THEN m ELSE n/a. -- Emergency open channel release implemented
c017	If (A.5/2 OR 120/1 OR 123/1 OR 123/2) THEN m ELSE n/a. -- Group Communication OR Emergency Open channel implemented
c018	If A.242/1 THEN m ELSE n/a -- Generic Key delivery without authentication implemented
c019	If A.242/2 THEN m ELSE n/a -- Generic Key delivery with authentication implemented
c020	If A.267/4 THEN m ELSE n/a. -- Uplink data transfer on DCH supported
c021	If A.268/4 THEN m ELSE n/a. -- Downlink data transfer on DCH supported

### Reference column

The reference column gives reference to PAS 0001-3-1 [1], except where explicitly stated otherwise.

### Support column

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

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

It is also possible to provide a comment to an answer in the space provided at the bottom of the Table.

NOTE: As stated in ISO/IEC 9646-7 [8], support for a received PDU requires the ability to encode/decode all mandatory elements of that PDU. Supporting a PDU while having no ability to encode/decode a mandatory element is non-conformant. Support for an element of a PDU means that the semantics of that element are supported. It does not mean that the element shall always be present in the PDU.

### Values allowed column

The values allowed column contains the type, the list, the range, or the length of values allowed. The following notations are used:

- range of values: <min value> .. <max value>  
EXAMPLE: 5 .. 20
- list of values: <value1>, <value2>, ....., <valueN>  
EXAMPLE: 2, 4, 6, 8, 9  
EXAMPLE: '1101'B, '1011'B, '1111'B  
EXAMPLE: '0A'H, '34'H, '2F'H
- list of named values: <name1>(<val1>), <name2>(<val2>), ....., <nameN>(<valN>)  
EXAMPLE: reject(1), accept(2)
- length: size (<min size> .. <max size>)  
EXAMPLE: size (1 .. 8)

### 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.

### References to items

For each possible item answer (answer in the support column) within the PICS proforma exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/", followed by the item number in the table. If there is more than one support column in a table, the columns are discriminated by letters (a, b, etc.), respectively.

EXAMPLE 1: A.5/4 is the reference to the answer of item 4 in Table 5 of annex A.

EXAMPLE 2: A.6/3b is the reference to the second answer (i.e. in the second support column) of item 3 in Table 6 of annex A.

### Prerequisite line

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

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

NOTE: In this PICS proforma, all the tables have a prerequisite independently on the status of the predicate referred to being mandatory or optional. This is done for readability reasons.

### A.1.3 Instructions for completing the PICS proforma

The supplier of the implementation shall complete the PICS proforma in each of the spaces provided. In particular, an explicit answer shall be entered, in each of the support or supported column boxes provided, using the notation described in sub-clause A.1.2.

If necessary, the supplier may provide additional comments in space at the bottom of the tables, or separately on sheets of paper.

More detailed instructions are given at the beginning of the different sub-clauses of the PICS proforma.

## A.2 Identification of the implementation

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.

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

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

### A.2.1 Date of the statement

.....

### A.2.2 Implementation Under Test (IUT) identification

IUT name:

.....

.....

IUT version:

.....

### A.2.3 System Under Test (SUT) identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### A.2.4 Product supplier

Name:

.....

Address:

.....

.....  
.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....  
.....  
.....

**A.2.5 Client**

(If different from product supplier)

Name:

.....

Address:

.....  
.....  
.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....  
.....  
.....

### A.2.6 PICS contact person

(A person to contact if there are any queries concerning the content of the PICS)

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

### A.3 Identification of the protocol

This PICS proforma applies to the following standard:

**PAS 0001-3-1 (January 1998):** "TETRAPOL Specifications; Part 3: Air Interface Application Protocol" [1].

The scope of this annex is to provide a PICS proforma for the applicative layer of a TETRAPOL Radio Terminal or Line Connected Terminal.

### A.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No) .....

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, on pages attached to the PICS proforma.

### A.5 Major capabilities

The supplier of the implementation shall state the support of the implementation for each of the following protocol entities, in the Table A.2.

Table A.2: Entities supported

Item	Entity	Reference	Status	Support
1	Call Control (CC)	Introduction	o.1	
2	Mobility Management (MM)	Introduction	o	
3	Security Mechanism (SM)	Introduction	o	
4	Data	Introduction	o.1	
5	Transport Layer (TP)	Introduction	m	
6	Logical Link Control (LLC)	Introduction	m	
7	Medium Access Control (MAC)	Introduction	m	

o.1 It is mandatory to support at least one of these items.

## A.6 Call Control

### A.6.1 Call Control sub-entities

Table A.3: CC services

Prerequisite: Table A.2/1				
Item	CC service	Reference	Status	Support
1	CC network connected mode services	5	o.2	
2	CC repeater mode services	5.5.3 5.5.4 5.5.5 5.5.7 5.5.8 5.5.9	o.2	
3	CC direct mode services	[5]	o.2	

o.2 It is mandatory to support at least one of these items.

Table A.4: CC network connected mode services

Prerequisite: Table A.3/1				
Item	CC network connected mode service	Reference	Status	Support
1	CC Network connected mode voice services	5	m	

Table A.5: CC network connected mode voice services

Prerequisite: Table A.4/1				
Item	CC network connected mode voice service	Reference	Status	Support
1	Private Call	5.4	c501	
2	Group Communication	5.5	o.3	
3	Emergency	5.6	o.3	
4	Paging	4.3.2.2	m	
5	Coexisting versions	4.3.3	m	

c501 If A.123/3 THEN m -- Emergency Private Call supported  
ELSE o.3

o.3 It is mandatory to support at least one of these items.

**A.6.1.1 Private Call****A.6.1.1.1 Private Call services****Table A.6: Private Call services**

Prerequisite:Table A.5/1				
Item	Private Call service	Reference	Status	Support
1	Individual Call	4	c601	
2	Multiparty Call	4	o.4	
3	PABX Call	4	o.4	

c601 If A.123/3 THEN m -- Emergency Private Call supported  
ELSE o.4

o.4 It is mandatory to support at least one of these items.

**A.6.1.1.2 Private Call features****Table A.7: Individual Call features**

Prerequisite:Table A.6/1				
Item	Individual Call feature	Reference	Status	Support
1	Individual Call set-up	5.4.1	m	
2	Individual Call clearing	5.4.1	m	
3	Individual Call transfer	5.4.1	o	
4	Withdrawal of an individual call participant	5.4.1	m	
5	Intrusion in an individual call	5.4.1	o	
6	Release of an individual call	5.4.1	o	

**Table A.8: Individual Call Set-up features**

Prerequisite:Table A.7/1				
Item	Individual Call set-up feature	Reference	Status	Support
1	Outgoing Individual Call	5.4.1	m	
2	Incoming Individual Call	5.4.1	m	

**Table A.9: Multiparty Call features**

Prerequisite:Table A.6/2				
Item	Multiparty Call feature	Reference	Status	Support
1	Multiparty Call set-up	5.4.1	m	
2	Multiparty Call clearing	5.4.1	m	
3	Multiparty Call transfer	5.4.1	o	
4	Withdrawal of a multiparty call participant	5.4.1	m	
5	Intrusion in a multiparty call	5.4.1	o	
6	Release of a multiparty call	5.4.1	o	

**Table A.10: Multiparty Call Set-up features**

Prerequisite:Table A.9/1				
Item	Multiparty Call set-up feature	Reference	Status	Support
1	Outgoing Multiparty Call	5.4.1	m	
2	Incoming Multiparty Call	5.4.1	m	

**Table A.11: PABX Call features**

Prerequisite:Table A.6/3				
Item	PABX Call feature	Reference	Status	Support
1	PABX Call set-up	5.4.1	m	
2	PABX Call clearing	5.4.1	m	
3	Incoming PABX Call with Call transfer	5.4.1	o	
4	Withdrawal of a PABX call participant	5.4.1	m	
5	Intrusion in a PABX call	5.4.1	o	
6	Release of a PABX call	5.4.1	o	

**Table A.12: PABX Call Set-up features**

Prerequisite:Table A.11/1				
Item	PABX Call set-up feature	Reference	Status	Support
1	Outgoing PABX Call	5.4.1	m	
2	Incoming PABX Call	5.4.1	m	

**A.6.1.1.3 Private Call procedures**

**Table A.13: Private Call procedures**

Prerequisite:Table A.5/1				
Item	Private Call procedure	Reference	Status	Support
1	Call set-up	5.4.4 5.4.5	m	
2	Exchanges in established voice mode	5.4.3.1	m	
3	Call Clearing	5.4.7	m	
4	Call Transfer	5.4.8	o	
5	Call Intrusion	5.4.11	o	
6	Withdrawal	5.4.6	m	
7	Call Release	5.4.9	o	

**Table A.14: Call set-up features**

Prerequisite: Table A.13/1				
Item	Call set-up feature	Reference	Status	Support
1	Outgoing Call set-up	5.4.4	m	
2	Incoming Call set-up	5.4.5	m	
3	Choice of requested RT	5.2.4	o	

## A.6.1.1.4 Private Call PDUs

Table A.15: Outgoing Call set-up PDUs

Prerequisite:Table A.14/1				
Item	Outgoing Call set-up PDU	Reference	Status	Support
1	U_CALL_SETUP	[2] 4.4.79	m	
2	D_ACK	[2] 4.4.2	m	
3	D_CALL_ALERT	[2] 4.4.9	m	
4	D_CALL_CONNECT	[2] 4.4.10	m	
5	U_CALL_CONNECT	[2] 4.4.73	m	
6	D_CALL_START	[2] 4.4.12	m	
7	U_ABORT	[2] 4.4.66	m	
8	D_REFUSAL	[2] 4.4.50	m	
9	D_REJECT	[2] 4.4.53	m	
10	U_TERMINATE	[2] 4.4.103	m	
11	X_EMPTY	[2] 4.4.106	m	

Table A.16: Elements for U\_CALL\_SETUP

Prerequisite:Table A.15/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CALLED_ADR	[2] 5.3	m	
6	USER_PRIORITY	[2] 5.3	o	
7	ADD_SETUP_PARAM	[2] 5.3	o	

Table A.17: Elements for D\_ACK

Prerequisite: Table A.15/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

Table A.18: Elements for D\_CALL\_ALERT

Prerequisite:Table A.15/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.19: Elements for D\_CALL\_CONNECT

Prerequisite: Table A.15/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALL_TYPE	[2] 5.3	m	
3	CHANNEL_ID	[2] 5.3	m	
4	U_CH_SCRAMBLING	[2] 5.3	m	
5	D_CH_SCRAMBLING	[2] 5.3	m	
6	KEY_REFERENCE	[2] 5.3	m	
7	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	
8	KEY_OF_CALL	[2] 5.3 see PAS 0001-16-1	c001	

c001 If KEY\_REFERENCE = Key supplied THEN m  
ELSE n/a.

Table A.20: Elements for U\_CALL\_CONNECT

Prerequisite: Table A.15/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.21: Elements for D\_CALL\_START

Prerequisite: Table A.15/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	o	
3	KEY_OF_CALL	[2] 5.3 see PAS 0001-16-1	c001	

c001 If KEY\_REFERENCE = Key supplied THEN m  
ELSE n/a.

Table A.22: Elements for U\_ABORT

Prerequisite:Table A.15/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.23: Elements for D\_REFUSAL

Prerequisite:Table A.15/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.24: Elements for D\_REJECT

Prerequisite:Table A.15/9				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.25: Elements for U\_TERMINATE

Prerequisite:Table A.15/10				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.26: Incoming Call set-up PDUs

Prerequisite:Table A.14/2				
Item	Incoming Call set-up PDU	Reference	Status	Support
1	D_CALL_SETUP	[2] 4.4.11	m	
2	U_ACK	[2] 4.4.67	m	
3	U_CALL_ANSWER	[2] 4.4.72	m	
4	D_CALL_CONNECT	[2] 4.4.10	m	
5	U_CALL_CONNECT	[2] 4.4.73	m	
6	D_RETURN	[2] 4.4.55	m	
7	D_CALL_SWITCH	[2] 4.4.13	m	
8	U_CALL_SWITCH	[2] 4.4.80	m	
9	D_CALL_START	[2] 4.4.12	m	
10	U_ABORT	[2] 4.4.66	m	
11	D_REJECT	[2] 4.4.53	m	
12	U_TERMINATE	[2] 4.4.103	m	
13	X_EMPTY	[2] 4.4.106	m	

Table A.27: Elements for D\_CALL\_SETUP

Prerequisite:Table A.26/1				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CALLING_ADR	[2] 5.3	m	
6	ADD_SETUP_PARAM	[2] 5.3	o	

Table A.28: Elements for U\_ACK

Prerequisite:Table A.26/2				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

Table A.29: Elements for U\_CALL\_ANSWER

Prerequisite:Table A.26/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.30: Elements for D\_CALL\_CONNECT

Prerequisite:Table A.26/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALL_TYPE	[2] 5.3	m	
3	CHANNEL_ID	[2] 5.3	m	
4	U_CH_SCRAMBLING	[2] 5.3	m	
5	D_CH_SCRAMBLING	[2] 5.3	m	
6	KEY_REFERENCE	[2] 5.3	m	
7	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	
8	KEY_OF_CALL	[2] 5.3 see PAS 0001-16-1	c001	

c001 If KEY\_REFERENCE = Key supplied THEN m  
ELSE n/a.

Table A.31: Elements for U\_CALL\_CONNECT

Prerequisite:Table A.26/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	



Table A.36: Elements for U\_ABORT

Prerequisite:Table A.26/10				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.37: Elements for D\_REJECT

Prerequisite:Table A.26/11				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.38: Elements for U\_TERMINATE

Prerequisite:Table A.26/12				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.39: Choice of requested RT PDUs

Prerequisite:Table A.14/3				
Item	Choice of requested RT PDU	Reference	Status	Support
1	D_CALL_WAITING	[2] 4.4.14	m	
2	U_CALL_ACCEPTED	[2] 4.4.71	m	
3	U_CALL_REJECTED	[2] 4.4.77	m	

Table A.40: Elements for D\_CALL\_WAITING

Prerequisite:Table A.39/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALL_PRIORITY	[2] 5.3	m	
3	APPLI_SAP_ID	[2] 5.3	m	
4	CALL_ID	[2] 5.3	m	

Table A.41: Elements for U\_CALL\_ACCEPTED

Prerequisite: Table A.39/2				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.42: Elements for U\_CALL\_REJECTED

Prerequisite: Table A.39/3				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CALL_ID	[2] 5.3	m	
3	CAUSE	[2] 5.2	m	

Table A.43: Clearing PDUs

Prerequisite: Table A.13/3				
Item	Clearing PDU	Reference	Status	Support
1	D_RELEASE	[2] 4.4.54	m	
2	U_ACK	[2] 4.4.67	m	
3	U_TERMINATE	[2] 4.4.103	m	
4	X_EMPTY	[2] 4.4.106	m	

Table A.44 : Elements for D\_RELEASE

Prerequisite: Table A.43/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.45: Elements for U\_ACK

Prerequisite: Table A.43/2				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

Table A.46: Elements for U\_TERMINATE

Prerequisite: Table A.43/3				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.47: Transfer PDUs

Prerequisite:Table A.13/4				
Item	Transfer PDU	Reference	Status	Support
1	U_TRANSFER_REQ	[2] 4.4.94	m	
2	D_END	[2] 4.4.26	m	
3	D_RETURN	[2] 4.4.47	m	
4	D_CALL_SWITCH	[2] 4.4.11	m	
5	U_CALL_SWITCH	[2] 4.4.72	m	
6	D_CALL_START	[2] 4.4.56	m	
7	D_TRANSFER_NACK	[2] 4.4.56	m	
8	X_EMPTY	[2] 4.4.95	m	

Table A.48: Elements for U\_TRANSFER\_REQ

Prerequisite:Table A.47/1				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	TRANSFER_ADR	[2] 5.3	m	

Table A.49: Elements for D\_END

Prerequisite:Table A.47/2				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.50: Elements for D\_RETURN

Prerequisite:Table A.47/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	



Table A.54: Elements for D\_TRANSFER\_NAK

Prerequisite:Table A.47/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	
3	TRANSFER_ADR	[2] 5.3	m	

Table A.55: Private Call Intrusion PDUs

Prerequisite:Table A.13/5				
Item	Private Call Intrusion PDU	Reference	Status	Support
1	U_CALL_INTRUSION_PC	[2] 4.4.76	m	
2	D_ACK	[2] 4.4.2	m	
3	D_CALL_CONNECT	[2] 4.4.10	m	
4	U_CALL_CONNECT	[2] 4.4.73	m	
5	D_CALL_START	[2] 4.4.12	m	
6	U_TERMINATE	[2] 4.4.103	m	
7	U_ABORT	[2] 4.4.66	m	
8	D_REFUSAL	[2] 4.4.50	m	
9	D_REJECT	[2] 4.4.53	m	
10	X_EMPTY	[2] 4.4.106	m	

Table A.56: Elements for U\_CALL\_INTRUSION\_PC

Prerequisite:Table A.55/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CALLING_ADR	[2] 5.3	m	

Table A.57: Elements for D\_ACK

Prerequisite:Table A.55/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	



Table A.62: Elements for U\_ABORT

Prerequisite:Table A.55/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.63: Elements for D\_REFUSAL

Prerequisite:Table A.55/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.64: Elements for D\_REJECT

Prerequisite:Table A.55/9				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.65: Withdrawal PDUs

Prerequisite:Table A.13/6				
Item	Withdrawal PDU	Reference	Status	Support
1	U_TERMINATE	[2] 4.4.103	m	
2	X_EMPTY	[2] 4.4.106	m	

Table A.66: Elements for U\_TERMINATE

Prerequisite:Table A.65/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.67: Call Release PDUs

Prerequisite:Table A.13/7				
Item	Call Release PDU	Reference	Status	Support
1	U_CALL_RELEASE	[2] 4.4.78	m	
2	D_ACK	[2] 4.4.2	m	
3	D_AUTHENTICATION	[2] 4.4.4	m	
4	U_AUTHENTICATION	[2] 4.4.70	m	
5	D_AUTHORISATION	[2] 4.4.5	m	
6	U_ABORT	[2] 4.4.66	m	
7	D_REFUSAL	[2] 4.4.50	m	
8	D_REJECT	[2] 4.4.53	m	
9	X_EMPTY	[2] 4.4.106	m	

Table A.68: Elements for U\_CALL\_RELEASE

Prerequisite:Table A.67/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CALLING_ADR	[2] 5.3	m	

Table A.69: Elements for D\_ACK

Prerequisite:Table A.67/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

Table A.70: Elements for D\_AUTHENTICATION

Prerequisite:Table A.67/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	m	
3	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.71: Elements for U\_AUTHENTICATION

Prerequisite:Table A.67/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.72: Elements for D\_AUTHORISATION

Prerequisite:Table A.67/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	o	

Table A.73: Elements for U\_ABORT

Prerequisite:Table A.67/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.74: Elements for D\_REFUSAL

Prerequisite:Table A.67/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.75: Elements for D\_REJECT

Prerequisite:Table A.67/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

A.6.1.1.5 Private Call parameters

Table A.76: Outgoing Call set-up parameters

Prerequisite:Table A.14/1						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T712	[2] 6.1	m		180 -- sec	
2	D502	[2] 6.1	m		3 -- sec	
3	D503	[2] 6.1	m		200 --Msec	

Table A.77: Incoming Call set-up parameters

Prerequisite:Table A.14/2						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T710	[2] 6.1	m		33 -- sec	
2	T711	[2] 6.1	m		10 -- sec	
3	D502	[2] 6.1	m		3 -- sec	
4	D503	[2] 6.1	m		200 --Msec	

Table A.78: Choice of requested RT parameters

Prerequisite: Table A.14/3						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T71A	[2] 6.1	m		6 -- sec	
2	D71B	[2] 6.1	m		1 -- sec	

Table A.79: Clearing parameters

Prerequisite:Table A.13/3						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T504	[2] 6.1	m		17 -- sec	

Table A.80: Private Call Intrusion parameters

Prerequisite:Table A.13/5						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T714	[2] 6.1	m		90 -- sec	

Table A.81: Call Release parameters

Prerequisite:Table A.13/7						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
2	T717	[2] 6.1	m		10 -- sec	
3	T718	[2] 6.1	m		10 -- sec	

### A.6.1.2 Group Communication

#### A.6.1.2.1 Group Communication services

Table A.82: Group Communication services

Prerequisite:Table A.5/2					
Item	Group Communication service	Reference	Status	Support	
1	Open Channel	5.5.1	o.5		
2	Talk Group	5.5.1	o.5		
3	Group Call	5.5.1	o.5		

o.5 It is mandatory to support at least one of these items.

Table A.83: Open Channel services

Prerequisite:Table A.82/1					
Item	Open Channel service	Reference	Status	Support	
1	Basic Open Channel	5.5.1	o.6		
2	Broadcast Open Channel	5.5.1	o.6		
3	Crisis Open Channel	5.5.1	o.6		

o.6 It is mandatory to support at least one of these items.



Table A.87: Elements for U\_OCH\_SETUP

Prerequisite:Table A.86/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	COVERAGE_ID	[2] 5.3	m	
6	KEY_REFERENCE	[2] 5.3	m	
7	OG_NB	[2] 5.3	m	
8	GROUP_ID	[2] 5.3	c8701	

c8701      If A.85/2      THEN m -- Open Channel set-up with definition of OG participants  
 ELSE n/a.

Table A.88: Elements for D\_ACK

Prerequisite:Table A.86/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

Table A.89: Elements for D\_AUTHENTICATION

Prerequisite:Table A.86/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	m	
3	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.90: Elements for U\_AUTHENTICATION

Prerequisite:Table A.86/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.91: Elements for D\_AUTHORISATION

Prerequisite:Table A.86/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	o	

Table A.92: Elements for U\_ABORT

Prerequisite:Table A.86/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.93: Elements for D\_REJECT

Prerequisite:Table A.86/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.94: Elements for D\_REFUSAL

Prerequisite:Table A.86/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.95: RT information features

Prerequisite: Table A.84/2				
Item	RT information feature	Reference	Status	Support
1	RT information at the time of set-up for crisis open-channel	5.5.3.1	c002	
2	RT information at the time of set-up for broadcast open-channel	5.5.3.2	c003	
3	RT permanent information on group communication	5.5.3.3	m	

c002 If A.83/3 THEN m -- Crisis Open Channel supported  
ELSE n/a.

c003 If A.83/2 THEN m -- Broadcast Open Channel supported  
ELSE n/a.

Table A.96: RT information PDU

Prerequisite: Table A.84/2				
Item	RT information PDU	Reference	Status	Support
1	D_CRISIS_NOTIFICATION	[2] 4.4.17	c002	
2	D_BROADCAST_NOTIFICATION	[2] 4.4.8	c003	
3	D_GROUP_LIST	[2] 4.4.40	m	

c002 If A.83/3 THEN m -- Crisis Open Channel supported  
ELSE n/a.

c003 If A.83/2 THEN m -- Broadcast Open Channel supported  
ELSE n/a.





Table A.104: Elements for D\_GROUP\_ACTIVATION

Prerequisite: Table A.100/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	ACTIVATION_MODE	[2] 5.3	m	
3	GROUP_ID	[2] 5.3	m	
4	COVERAGE_ID	[2] 5.3	m	
5	CHANNEL_ID	[2] 5.3	m	
6	U_CH_SCRAMBLING	[2] 5.3	m	
7	D_CH_SCRAMBLING	[2] 5.3	m	
8	KEY_REFERENCE	[2] 5.3	m	

Table A.105: Elements for D\_GROUP\_REJECT

Prerequisite: Table A.100/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	ACTIVATION_MODE	[2] 5.3	m	
3	GROUP_ID	[2] 5.3	m	
4	COVERAGE_ID	[2] 5.3	m	
5	CAUSE	[2] 5.2	m	

Table A.106: Elements for D\_GROUP\_PAGING

Prerequisite: Table A.100/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	ACTIVATION_MODE	[2] 5.3	m	
3	GROUP_ID	[2] 5.3	m	
4	COVERAGE_ID	[2] 5.3	m	
5	KEY_REFERENCE	[2] 5.3	m	

Table A.107: Elements for D\_GROUP\_IDLE

Prerequisite: Table A.100/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.108: Open Channel release PDUs

Prerequisite: Table A.84/4				
Item	Open Channel release PDU	Reference	Status	Support
1	U_OCH_RELEASE	[2] 4.4.99	m	
2	D_ACK	[2] 4.4.2	m	
3	D_AUTHENTICATION	[2] 4.4.4	m	
4	U_AUTHENTICATION	[2] 4.4.70	m	
5	D_AUTHORISATION	[2] 4.4.5	m	
6	D_REJECT	[2] 4.4.53	m	
7	D_REFUSAL	[2] 4.4.50	m	
8	U_ABORT	[2] 4.4.66	m	
9	X_EMPTY	[2] 4.4.106	m	

**Table A.109: Elements for U\_OCH\_RELEASE**

Prerequisite: Table A.108/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	COVERAGE_ID	[2] 5.3	m	

**Table A.110: Elements for D\_ACK**

Prerequisite: Table A.108/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

**Table A.111: Elements for D\_AUTHENTICATION**

Prerequisite: Table A.108/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	m	
3	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	

**Table A.112: Elements for U\_AUTHENTICATION**

Prerequisite: Table A.108/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

**Table A.113: Elements for D\_AUTHORISATION**

Prerequisite: Table A.108/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	o	

**Table A.114: Elements for D\_REJECT**

Prerequisite: Table A.108/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.115: Elements for D\_REFUSAL

Prerequisite: Table A.108/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.116: Elements for U\_ABORT

Prerequisite: Table A.108/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.117: Dispersion of group communication participants PDUs

Prerequisite: Table A.84/5				
Item	Dispersion of group communication participants PDU	Reference	Status	Support
1	D_GROUP_END	[2] 4.4.38	m	

Table A.118: Elements for D\_GROUP\_END

Prerequisite: Table A.117/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

#### A.6.1.2.4 Group Communication Parameters

Table A.119: Group Communication parameters

Prerequisite: Table A.5/2						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T770	[2] 6.1	c009		90 -- sec	
2	T772	[2] 6.1	c009		10 -- sec	
3	T779	[2] 6.1	c002		10 -- sec	
4	D77B	[2] 6.1	c003		10 -- sec	
5	T773	[2] 6.1	m		10 -- sec	
6	T775	[2] 6.1	c11901		10 -- sec	
7	T777	[2] 6.1	c11901		10 -- sec	

c009 If A.84/1 THEN m -- Open channel set-up implemented  
ELSE n/a.

c002 If A.83/3 THEN m -- Crisis Open Channel supported  
ELSE n/a.

c003 If A.83/2 THEN m -- Broadcast Open Channel supported  
ELSE n/a.

c11901 If A.84/4 THEN m -- Open channel release implemented  
ELSE n/a.

**A.6.1.3. Emergency**

**A.6.1.3.1 Emergency features**

**Table A.120: Emergency features**

Prerequisite: Table A.5/3				
Item	Emergency feature	Reference	Status	Support
1	Emergency Open Channel set-up mode	5.6.1	o.7	
2	Access controled mode	5.6.1	o.7	

o.7 It is mandatory to support at least one of these items.

**Table A.121: Emergency Open Channel set-up mode features**

Prerequisite:Table A.120/1				
Item	Emergency Open Channel set-up mode feature	Reference	Status	Support
1	Emergency Initiating RT mode	5.6.1	o.8	
2	Emergency Distant RT mode	5.6.1	o.8	

o.8 It is mandatory to support at least one of these items.

**Table A.122: Initiating RT mode features**

Prerequisite:Table A.121/1				
Item	Emergency Initiating RT mode feature	Reference	Status	Support
1	Local emergency open channel set-up mode	5.6.1	o.9	
2	Remote emergency open channel set-up mode	5.6.1	o.9	

o.9 It is mandatory to support at least one of these items.

**Table A.123: Access controled mode features**

Prerequisite:Table A.120/2				
Item	Access controled mode feature	Reference	Status	Support
1	Automatic crisis open channel set-up mode	5.6.1	o.10	
2	Dispatch acknowledge crisis open channel set-up mode	5.6.1	o.10	
3	Dispatch private call mode	5.6.1	o.10	

o.10 It is mandatory to support at least one of these items.



**Table A.126: Dispatch Acknowledge Crisis Open Channel set-up mode features**

Prerequisite: Table A.123/2				
Item	Automatic Crisis Open Channel set-up mode feature	Reference	Status	Support
1	Emergency situation signalling	5.6.4	o.12	
2	Emergency situation indication	5.6.5	o.12	
3	Emergency situation response	5.6.6	c12601	
4	RT information on emergency open-channel	5.6.8	m	
5	RT information on crisis open-channel	5.5.3.1 5.5.3.3	m	
6	RT participation in emergency open-channel	5.6.9 5.6.10 5.6.11 5.6.12 5.6.14 5.6.15	m	
7	RT participation in crisis open-channel	5.5.4.2 5.5.5 5.5.6 5.5.7 5.5.8 5.5.9	m	
8	Dispersion of Emergency open channel participants	5.6.16	m	
9	Dispersion of Crisis open channel participants	5.5.11	m	

o.12 It is mandatory to support at least one of these items  
c12601 If A.126/2 THEN m -- Emergency situation indication supported  
ELSE o.

**Table A.127: Dispatch Private Call mode features**

Prerequisite: Table A.123/3				
Item	Dispatch Private Call mode feature	Reference	Status	Support
1	Emergency situation signalling	5.6.4	o.13	
2	Emergency situation indication	5.6.5	o.13	
3	Emergency Private Call	5.4	m	

o.13 It is mandatory to support one of these items

#### A.6.1.3.2 Emergency PDUs

**Table A.128: Emergency status signalling PDUs**

Prerequisite: Table A.124/1				
Item	Emergency status signalling PDU	Reference	Status	Support
1	U_SHORT_DATA	[2] 4.4.102	m	

**Table A.129: Elements for U\_SHORT\_DATA**

Prerequisite: Table A.128/1				
Item	Element	Reference	Status	Support
1	SHORT_DATA_CONTENT	[2] 5.3	m	

Table A.130: Fast Emergency status signalling PDUs

Prerequisite: Table A.124/2				
Item	Fast Emergency status signalling PDU	Reference	Status	Support
1	U_FAST_EMERGENCY	[2] 4.4.95	m	

Table A.131: Elements for U\_FAST\_EMERGENCY

Prerequisite: Table A.130/1				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CALL_ID	[2] 5.3	m	

Table A.132: Emergency situation signalling PDUs

Prerequisite: Table A.125/1 OR Table A.126/1 OR Table A.127/1				
Item	Emergency situation signalling PDU	Reference	Status	Support
1	U_EMERGENCY_REQ	[2] 4.4.92	m	
2	D_ACK	[2] 4.4.2	m	
3	D_AUTHENTICATION	[2] 4.4.4	m	
4	U_AUTHENTICATION	[2] 4.4.70	m	
5	D_AUTHORISATION	[2] 4.4.5	m	
6	D_EMERGENCY_ACK	[2] 4.4.30	m	
7	D_EMERGENCY_NAK	[2] 4.4.32	m	
8	D_CRISIS_NOTIFICATION	[2] 4.4.17	m	
9	D_EMERGENCY_NOTIFICATION	[2] 4.4.33	m	
10	U_ABORT	[2] 4.4.66	m	
11	D_REFUSAL	[2] 4.4.50	m	
12	D_REJECT	[2] 4.4.53	m	
13	X_EMPTY	[2] 4.4.106	m	

Table A.133: Elements for U\_EMERGENCY\_REQ

Prerequisite: Table A.132/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CALLING_ADR	[2] 5.3	m	
6	GROUP_ID	[2] 5.3	o	

Table A.134: Elements for D\_ACK

Prerequisite: Table A.132/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	



Table A.141: Elements for D\_EMERGENCY\_NOTIFICATION

Prerequisite: Table A.132/9				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALLING_ADR	[2] 5.3	m	
3	CELL_ID	[2] 5.3	m	

Table A.142: Elements for U\_ABORT

Prerequisite: Table A.132/10				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.143: Elements for D\_REFUSAL

Prerequisite: Table A.132/11				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.144: Elements for D\_REJECT

Prerequisite: Table A.132/12				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.145: Emergency situation indication PDUs

Prerequisite: Table A.125/2 OR Table A.126/2 OR Table A.127/2				
Item	Emergency situation indication PDU	Reference	Status	Support
1	D_EMERGENCY_INDICATION	[2] 4.4.31	m	

Table A.146: Elements for D\_EMERGENCY\_INDICATION

Prerequisite: Table A.145/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CELL_ID	[2] 5.3	m	
3	EMERGENCY_TYPE	[2] 5.3	m	
4	ORGANISATION	[2] 5.3	m	
5	CALLING_ADR	[2] 5.3	m	

Table A.147: Emergency situation response PDUs

Prerequisite: Table A.126/3				
Item	Emergency situation response PDU	Reference	Status	Support
1	U_EMERGENCY_ACK	[2] 4.4.90	m	
2	U_EMERGENCY_NAK	[2] 4.4.91	m	

**Table A.148: Elements for U\_EMERGENCY\_ACK**

Prerequisite: Table A.147/1				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CALL_ID	[2] 5.3	m	
3	ORGANISATION	[2] 5.3	m	
4	CELL_ID	[2] 5.3	m	

**Table A.149: Elements for U\_EMERGENCY\_NAK**

Prerequisite: Table A.147/2				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CALL_ID	[2] 5.3	m	
3	ORGANISATION	[2] 5.3	m	
4	CELL_ID	[2] 5.3	m	

**Table A.150: Emergency open channel setup PDUs**

Prerequisite: Table A.124/3				
Item	Emergency open channel setup PDU	Reference	Status	Support
1	U_ECH_SETUP	[2] 4.4.89	m	
2	D_ACK	[2] 4.4.2	m	
3	D_AUTHENTICATION	[2] 4.4.4	m	
4	U_AUTHENTICATION	[2] 4.4.70	m	
5	D_AUTHORISATION	[2] 4.4.5	m	
6	U_ABORT	[2] 4.4.66	m	
7	D_REFUSAL	[2] 4.4.50	m	
8	D_REJECT	[2] 4.4.53	m	
9	X_EMPTY	[2] 4.4.106	m	

**Table A.151: Elements for U\_ECH\_SETUP**

Prerequisite: Table A.150/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CALLING_ADR	[2] 5.3	m	
6	KEY_REFERENCE	[2] 5.3	m	
7	CELL_ID	[2] 5.3	m	

**Table A.152: Elements for D\_ACK**

Prerequisite: Table A.150/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

Table A.153: Elements for D\_AUTHENTICATION

Prerequisite: Table A.150/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	m	
3	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.154: Elements for U\_AUTHENTICATION

Prerequisite: Table A.150/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.155: Elements for D\_AUTHORISATION

Prerequisite: Table A.150/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	o	

Table A.156: Elements for U\_ABORT

Prerequisite: Table A.150/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.157: Elements for D\_REFUSAL

Prerequisite: Table A.150/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.158: Elements for D\_REJECT

Prerequisite: Table A.150/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

**Table A.159: RT information on Emergency open channel PDUs**

Prerequisite: Table A.120/1 OR Table A.123/1 OR Table A.123/2				
Item	RT information on Emergency open channel PDU	Reference	Status	Support
1	D_EMERGENCY_NOTIFICATION	[2] 4.4.33	m	
2	D_GROUP_LIST	[2] 4.4.40	m	

**Table A.160: Elements for D\_EMERGENCY\_NOTIFICATION**

Prerequisite: Table A.159/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALLING_ADR	[2] 5.3	m	
3	CELL_ID	[2] 5.3	m	

**Table A.161: Elements for D\_GROUP\_LIST**

Prerequisite: Table A.159/2				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	REFERENCE_LIST	[2] 5.3	m	
3	INDEX_LIST	[2] 5.3	c005	
4	TYPE_NB	[2] 5.3	c005	
5	COVERAGE_ID	[2] 5.3	c006	
6	GROUP_ID	[2] 5.3	c007	
7	CALL_PRIORITY	[2] 5.3	c007	
8	CELL_ID	[2] 5.3	c008	
9	NEIGHBOURING_CELL	[2] 5.3	c006	
10	OCH_PARAMETERS	[2] 5.3	c007	

c005	If COVERAGE_LIST $\neq$ 0	THEN m ELSE n/a.
c006	If A.5/2	THEN m -- Group Communication supported ELSE n/a.
c007	If A.82/1	THEN m -- Open Channel supported ELSE n/a.
c008	If A.83/3	THEN m -- Emergency Open Channel supported ELSE n/a.

**Table A.162: RT Participation in Emergency open channel PDUs**

Prerequisite: Table A.120/1 OR Table A.123/1 OR Table A.123/2				
Item	RT Participation in Emergency open channel PDU	Reference	Status	Support
1	U_ECH_ACTIVATION	[2] 4.4.87	m	
2	D_ECH_ACTIVATION	[2] 4.4.28	m	
3	D_ECH_REJECT	[2] 4.4.29	m	
4	D_GROUP_IDLE	[2] 4.4.39	m	

Table A.163: Elements for U\_ECH\_ACTIVATION

Prerequisite: Table A.162/1				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	ACTIVATION_MODE	[2] 5.3	m	
3	GROUP_ID	[2] 5.3	m	
4	CELL_ID	[2] 5.3	m	

Table A.164: Elements for D\_ECH\_ACTIVATION

Prerequisite: Table A.162/2				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	ACTIVATION_MODE	[2] 5.3	m	
3	GROUP_ID	[2] 5.3	m	
4	CELL_ID	[2] 5.3	m	
5	CHANNEL_ID	[2] 5.3	m	
6	U_CH_SCRAMBLING	[2] 5.3	m	
7	D_CH_SCRAMBLING	[2] 5.3	m	
8	KEY_REFERENCE	[2] 5.3	m	

Table A.165: Elements for D\_ECH\_REJECT

Prerequisite: Table A.162/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	ACTIVATION_MODE	[2] 5.3	m	
3	GROUP_ID	[2] 5.3	m	
4	CELL_ID	[2] 5.3	m	
5	CAUSE	[2] 5.2	m	

Table A.166: Elements for D\_GROUP\_IDLE

Prerequisite: Table A.162/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.167: Emergency open channel release PDUs

Prerequisite: Table A.124/6				
Item	Emergency open channel release PDU	Reference	Status	Support
1	U_ECH_CLOSE	[2] 4.4.88	m	
2	D_ACK	[2] 4.4.2	m	
3	D_AUTHENTICATION	[2] 4.4.4	m	
4	U_AUTHENTICATION	[2] 4.4.70	m	
5	D_AUTHORISATION	[2] 4.4.5	m	
6	U_ABORT	[2] 4.4.66	m	
7	D_REFUSAL	[2] 4.4.50	m	
8	D_REJECT	[2] 4.4.53	m	
9	X_EMPTY	[2] 4.4.106	m	

Table A.168: Elements for U\_ECH\_CLOSE

Prerequisite: Table A.167/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CELL_ID	[2] 5.3	m	

Table A.169: Elements for D\_ACK

Prerequisite: Table A.167/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

Table A.170: Elements for D\_AUTHENTICATION

Prerequisite: Table A.167/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	m	
3	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.171: Elements for U\_AUTHENTICATION

Prerequisite: Table A.167/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.172: Elements for D\_AUTHORISATION

Prerequisite: Table A.167/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	o	

Table A.173: Elements for U\_ABORT

Prerequisite: Table A.167/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.174: Elements for D\_REFUSAL

Prerequisite: Table A.167/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.175: Elements for D\_REJECT

Prerequisite: Table A.167/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.176: Dispersion of Emergency open channel participants PDUs

Prerequisite: Table A.120/1 OR Table A.123/1 OR Table A.123/2				
Item	Dispersion of Emergency open channel participants PDU	Reference	Status	Support
1	D_GROUP_END	[2] 4.4.38	m	

Table A.177: Elements for D\_GROUP\_END

Prerequisite: Table A.176/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

**A.6.1.3.4 Emergency Open Channel parameters**

**Table A.178: Emergency Open Channel parameters**

Prerequisite: Table A.5/3						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T757	[2] 6.1	o		15 -- sec	
2	T75A	[2] 6.1	c012		15 -- sec	
3	T75C	[2] 6.1	c012		10 -- sec	
4	T75D	[2] 6.1	c013		10 -- sec	
5	T750	[2] 6.1	c008		5 -- sec	
6	T759	[2] 6.1	c008		10 -- sec	
7	T752	[2] 6.1	c014		10 -- sec	
8	T758	[2] 6.1	c015		10 -- sec	
9	T753	[2] 6.1	c016		10 -- sec	
10	T754	[2] 6.1	c016		10 -- sec	

c008 If A.83/3 THEN m -- Emergency Open Channel supported  
ELSE n/a.

c012 If (A.126/1 OR A.127/1) THEN m  
ELSE n/a.

-- (Dispatch Acknowledge crisis open channel set-up mode supported AND Emergency situation signalling supported) OR (Dispatch Private Call mode supported AND Emergency situation signalling supported)

c013 If A.126/1 THEN m  
ELSE n/a.

-- (Dispatch Acknowledge crisis open channel set-up mode supported AND Emergency situation signalling supported)

c014 If (A.124/4 OR A.125/3 OR A.126/4) THEN m  
ELSE n/a.

-- RT information on Emergency open channel supported

c015 If (A.124/5 OR A.125/5 OR A.126/6) THEN m  
ELSE n/a.

-- RT participation in Emergency open channel supported

c016 If A.124/6 THEN m -- Emergency open channel release implemented  
ELSE n/a.

**A.6.1.4 Paging**

**A.6.1.4.1 Paging PDUs**

**Table A.179: Paging PDUs**

Prerequisite: Table A.5/4				
Item	Paging PDU	Reference	Status	Support
1	D_RETURN	[2] 4.4.55	m	
2	U_ANSWER_TO_PAGING	[2] 4.4.68	m	
3	D_BACK_CCH	[2] 4.4.6	o	
4	X_EMPTY	[2] 4.4.106	m	

Table A.180: Elements for D\_RETURN

Prerequisite: Table A.179/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.181: Elements for U\_ANSWER\_TO\_PAGING

Prerequisite: Table A.179/2				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	

Table A.182: Elements for D\_BACK\_CCH

Prerequisite: Table A.179/3				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	
3	CALLED_ADR	[2] 5.3	m	

#### A.6.1.4.2 Paging parameters

Table A.183: Paging parameters

Prerequisite: Table A.5/4						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T500	[2] 6.1	m		6 -- sec	
2	T501	[2] 6.1	m		6 -- sec	
3	T507	[2] 6.1	m		6 -- sec	

#### A.6.1.5 Coexisting versions

##### A.6.1.5.1 Coexisting versions PDUs

Table A.184: Coexisting versions PDUs

Prerequisite: Table A.5/5				
Item	Coexisting versions PDU	Reference	Status	Support
1	D_REFUSAL	[2] 4.4.50	m	
2	U_ABORT	[2] 4.4.66	m	
3	X_EMPTY	[2] 4.4.106	m	

Table A.185: Elements for D\_REFUSAL

Prerequisite: Table A.184/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

**Table A.186: Elements for U\_ABORT**

Prerequisite: Table A.184/2				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

**A.6.2 Direct Mode sub-entities**

**Table A.187: Direct Mode sub-entities**

Prerequisite: Table A.3/3				
Item	Direct Mode sub-entity	Reference	Status	Support
1	Direct Mode services	[5]	o.14	
2	Direct Mode with Network Monitoring services	[5]	o.14	

o.14 It is mandatory to support at least one of these items.

**Table A.188: Direct Mode services**

Prerequisite: Table A.187/1				
Item	Direct Mode service	Reference	Status	Support
1	Direct Mode Call	[5]	o.15	
2	Direct Mode Emergency Call	[5]	o.15	

o.15 It is mandatory to support at least one of these items.

**Table A.189: Direct Mode Call features**

Prerequisite: Table A.188/1				
Item	Direct Mode feature	Reference	Status	Support
1	Clear Call	[5]	m	
2	Encrypted Call	[5]	o	

**Table A.190: Direct Mode Emergency Call features**

Prerequisite: Table A.188/2				
Item	Direct Mode Emergency Call feature	Reference	Status	Support
1	Emission of a Direct Mode Emergency Call	[5]	m	
2	Response to a Direct Mode Emergency Call	[5]	m	

**Table A.191: Direct Mode Network Monitoring services**

Prerequisite: Table A.187/2				
Item	Direct Mode Network Monitoring service	Reference	Status	Support
1	Network Received Calls in DM/NM	[5]	m	
2	Direct Mode services	[5]	m	

Table A.192: Network Received Calls in DM/NM

Prerequisite:Table A.191/1				
Item	Network Received Calls in DM/NM	Reference	Status	Support
1	Private Call	5.4	o.16	
2	Network Emergency Signalling	5.6	o.16	
3	Data service	5.7	o.16	

o.16 It is mandatory to support at least one of these items.

## A.7 Mobility Management

### A.7.1 Mobility Management sub-entities

Table A.193: MM sub-entities

Prerequisite:Table A.2/2				
Item	MM sub-entity	Reference	Status	Support
1	Registration	5.3	m	
2	Transport Protocol Management	5.2	m	
3	Broadcast	5.1	m	
4	RT Management	5.8	o	
5	Information Delivery	5.10	c006	
6	Addressing	[5]	m	

c006 If A.5/2 THEN m -- Group Communication supported  
ELSE n/a.

#### A.7.1.1 MM Registration

##### A.7.1.1.1 MM Registration services

Table A.194: MM Registration services

Prerequisite:Table A.193/1				
Item	MM Registration service	Reference	Status	Support
1	Registration	5.3.1 5.3.2 5.3.3 5.3.5	m	
2	Minimum Exchanges (Activity Reporting)	5.3.4	m	
3	Deregistration	5.3.4	m	

Table A.195: MM registration features

Prerequisite:Table A.194/1				
Item	Registration feature	Reference	Status	Support
1	Nominal Registration initiated by RT	5.3.1	m	
2	Forced registration initiated by SwMI	5.3.5	o	
3	Complete registration	5.3.1	m	

A.7.1.1.2 MM Registration PDUs

Table A.196: MM Registration PDUs

Prerequisite:Table A.193/1				
Item	MM Registration PDU	Reference	Status	Support
1	D_FORCED_REGISTRATION	[2] 4.4.35	c19601	
2	D_TTI_ASSIGNMENT	[2] 4.4.65	m	
3	U_REGISTRATION_REQ	[2] 4.4.101	m	
4	D_ACK	[2] 4.4.2	m	
5	D_REGISTRATION_ACK	[2] 4.4.51	m	
6	D_REGISTRATION_NACK	[2] 4.4.52	m	
7	U_LOCATION_ACTIVITY	[2] 4.4.98	c19602	
8	D_LOCATION_ACTIVITY_ACK	[2] 4.4.48	c19602	
9	D_REFUSAL	[2] 4.4.50	c19602	
10	X_EMPTY	[2] 4.4.106	m	

c19601 If A.195/2 THEN m -- Forced Registration implemented  
ELSE n/a.

c19602 If A.194/2 THEN m -- Activity Reporting implemented  
ELSE n/a.

Table A.197: Elements for D\_FORCED\_REGISTRATION

Prerequisite:Table A.196/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALLING_ADR	[2] 5.3	m	

Table A.198: Elements for D\_TTI\_ASSIGNMENT

Prerequisite:Table A.196/2				
Item	Element	Reference	Status	Support
1	TTI/CRT	[2] 5.3	m	

Table A.199: Elements for U\_REGISTRATION\_REQ

Prerequisite:Table A.196/3				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	HOST_ADR	[2] 5.3	m	
6	SYSTEM_ID	[2] 5.3	m	
7	SERIAL_NB	[2] 5.3	m	
8	REG_SEQ	[2] 5.3	m	
9	COMPLETE_REG	[2] 5.3	m	
10	RT_STATUS	[2] 5.3	m	

Table A.200: Elements for D\_ACK

Prerequisite:Table A.196/4				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

Table A.201: Elements for D\_REGISTRATION\_ACK

Prerequisite:Table A.196/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	COMPLETE_REG	[2] 5.3	m	
3	RT_MIN_ACTIVITY	[2] 5.3	m	
4	RT_STATUS	[2] 5.3	m	
5	HOST_ADR	[2] 5.3	m	
6	RT_MIN_REGISTRATION	[2] 5.3	m	
7	TLR_VALUE	[2] 5.3	m	
8	RT_DATA_INFO	[2] 5.3	m	
9	GROUP_ID	[2] 5.3	m	
10	COVERAGE_ID	[2] 5.3	o	

Table A.202: Elements for D\_REGISTRATION\_NACK

Prerequisite:Table A.196/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	
3	HOST_ADR	[2] 5.3	m	
4	BN_ID	[2] 5.3	m	
5	CELL_ID	[2] 5.3	m	

Table A.203: Elements for U\_LOCATION\_ACTIVITY

Prerequisite:Table A.196/7				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	RT_STATUS	[2] 5.3	m	

Table A.204: Elements for D\_LOCATION\_ACTIVITY\_ACK

Prerequisite:Table A.196/8				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	RT_STATUS	[2] 5.3	m	



Table A.209: Elements for U\_EVENT\_REPORT

Prerequisite:Table A.208/1				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.210: Elements for U\_ERROR\_REPORT

Prerequisite:Table A.208/2				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.211: Elements for U\_ATTACH

Prerequisite:Table A.208/3				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	
3	RT_STATUS	[2] 5.3	m	
4	RT_DATA_INFO	[2] 5.3	m	
5	GROUP_ID	[2] 5.3	m	
6	COVERAGE_ID	[2] 5.3	o	

Table A.212: Elements for U\_DETACH

Prerequisite:Table A.208/4				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	







## A.7.1.4 RT Management

## A.7.1.4.1 RT Management services

Table A.221: RT Management services

Prerequisite:Table A.193/4				
Item	RT Management services	Reference	Status	Support
1	Access Disabled	5.8.2	m	
2	Traffic Disabled	5.8.3	m	
3	Traffic Enabled	5.8.4	m	
4	Service Disabled	5.8.5	m	
5	Address Forwarding	5.8.6 5.8.7	o	

## A.7.1.4.2 RT Management PDUs

Table A.222: RT Management PDUs

Prerequisite:Table A.193/4				
Item	RT Management PDU	Reference	Status	Support
1	D_ACCESS_DISABLED	[2] 4.4.1	m	
2	D_TRAFFIC_DISABLED	[2] 4.4.62	m	
3	D_TRAFFIC_ENABLED	[2] 4.4.63	m	
4	D_SERVICE_DISABLED	[2] 4.4.57	m	
5	U_ACK	[2] 4.4.67	m	
6	U_DEVIATION_SET	[2] 4.4.86	c22201	
7	D_DEVIATION_ON	[2] 4.4.26	c22201	
8	U_DEVIATION_CLEAR	[2] 4.4.85	c22201	
9	D_END	[2] 4.4.34	c22201	
10	D_REFUSAL	[2] 4.4.50	c22201	
11	X_EMPTY	[2] 4.4.106	m	

c22201 If A.221/5 THEN m -- Address forwarding supported  
ELSE n/a.

Table A.223: Elements for D\_ACCESS\_DISABLED

Prerequisite:Table A.222/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	Other elements	[2] 5.3 see PAS 0001-16-1	m	

Table A.224: Elements for D\_TRAFFIC\_DISABLED

Prerequisite:Table A.222/2				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	Other elements	[2] 5.3 see PAS 0001-16-1	m	

**Table A.225: Elements for D\_TRAFFIC\_ENABLED**

Prerequisite:Table A.222/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	Other elements	[2] 5.3 see PAS 0001-16-1	m	

**Table A.226: Elements for D\_SERVICE\_DISABLED**

Prerequisite:Table A.222/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	Other elements	[2] 5.3 see PAS 0001-16-1	m	

**Table A.227: Elements for U\_ACK**

Prerequisite:Table A.222/5				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

**Table A.228: Elements for U\_DEVIATION\_SET**

Prerequisite:Table A.222/6				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	FORWARD_ADR	[2] 5.3	m	

**Table A.229: Elements for D\_DEVIATION\_ON**

Prerequisite:Table A.222/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	FORWARD_ADR	[2] 5.3	m	

**Table A.230: Elements for U\_DEVIATION\_CLEAR**

Prerequisite:Table A.222/8				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	

Table A.231: Elements for D\_END

Prerequisite:Table A.222/9				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.232: Elements for D\_REFUSAL

Prerequisite:Table A.222/10				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

#### A.7.1.4.4 RT Management parameters

Table A.233: RT Management parameters

Prerequisite:Table A.193/4						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	D790	[2] 6.1	m		5 -- sec	

#### A.7.1.5 Information delivery

##### A.7.1.5.1 Information delivery services

Table A.234: Information delivery services

Prerequisite:Table A.193/5				
Item	Information delivery services	Reference	Status	Support
1	Local OGs delivery	5.10	m	
2	Network OGs delivery	5.10	m	

##### A.7.1.5.3 Information delivery PDUs

Table A.235: Information delivery PDUs

Prerequisite:Table A.193/5				
Item	Information delivery PDU	Reference	Status	Support
1	D_INFORMATION_DELIVERY	[2] 4.4.44	m	
2	U_ACK	[2] 4.4.67	m	
3	X_EMPTY	[2] 4.4.106	m	

Table A.236: Elements for D\_INFORMATION\_DELIVERY

Prerequisite:Table A.235/1				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	T_L_V_i	[2] 5.3	m	

Table A.237: Elements for U\_ACK

Prerequisite:Table A.235/2				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

**A.7.1.5.4 Information delivery parameters**

Table A.238: Information delivery parameters

Prerequisite:Table A.193/5						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T746	[2] 6.1	m		90 -- sec	
2	T504	[2] 6.1	m		17 -- sec	

**A.7.1.6 Addressing**

**A.7.1.6.1 Addressing feature**

Table A.239: Addressing feature

Prerequisite:Table A.193/6				
Item	Addressing feature	Reference	Status	Support
1	Addressing RFSI Plan	[2] 5.3	m	
2	Individual explicit address	[2] 5.3	m	
3	Implicit address	[2] 5.3	o	
4	List address	[2] 5.3	o	
5	PABX sub-address	[2] 5.3	c23901	
6	X400 address	[2] 5.3	c23902	
7	functional address	[2] 5.3	o	

c23901 If A.6/3 THEN m -- PABX Call supported  
ELSE n/a.

c23902 If Messaging X400 implemented THEN m  
ELSE n/a.

## A.8 Security Mechanism

### A.8.1 Security Mechanism services

**Table A.240: Security Mechanism services**

Prerequisite:Table A.2/3				
Item	Security Mechanism services	Reference	Status	Support
1	Key delivery	5.9	o	

#### A.8.1.1 Key delivery

##### A.8.1.1.1 Key delivery services

**Table A.241: Key delivery services**

Prerequisite:Table A.240/1				
Item	Key delivery services	Reference	Status	Support
1	RNK delivery	5.9.2	o.17	
2	TKK delivery	5.9.3	o.17	
3	Generic Key delivery	5.9.4 5.9.5	o.17	

o.17 It is mandatory to support at least one of these items.

**Table A.242: Generic Key delivery features**

Prerequisite:Table A.241/3				
Item	Generic Key delivery features	Reference	Status	Support
1	Delivery without authentication	5.9.4	o	
2	Delivery with authentication	5.9.5	o	

o It is mandatory to support at least one of these items.

#### A.8.1.1.2 Key delivery PDUs

**Table A.243: RNK delivery PDUs**

Prerequisite:Table A.241/1				
Item	RNK delivery PDU	Reference	Status	Support
1	D_RNK_DELIVERY	[2] 4.4.56	m	
2	U_ACK	[2] 4.4.67	m	
3	X_EMPTY	[2] 4.4.106	m	

**Table A.244: Elements for D\_RNK\_DELIVERY**

Prerequisite:Table A.243/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.245: Elements for U\_ACK

Prerequisite:Table A.243/2				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

Table A.246: TTK delivery PDUs

Prerequisite:Table A.241/2				
Item	TKK delivery PDU	Reference	Status	Support
1	D_TKK_DELIVERY	[2] 4.4.60	m	
2	U_ACK	[2] 4.4.67	m	
3	U_TKK_ANSWER	[2] 4.4.104	m	
4	D_TKK_MORE_DELIVERY	[2] 4.4.61	m	
5	U_END	[2] 4.4.34	m	
6	D_REJECT	[2] 4.4.53	m	
7	U_ABORT	[2] 4.4.66	m	
8	X_EMPTY	[2] 4.4.106	m	

Table A.247: Elements for D\_TKK\_DELIVERY

Prerequisite:Table A.246/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.248: Elements for U\_ACK

Prerequisite:Table A.246/2				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

Table A.249: Elements for U\_TKK\_ANSWER

Prerequisite:Table A.246/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.250: Elements for D\_TKK\_MORE\_DELIVERY

Prerequisite:Table A.246/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.251: Elements for U\_END

Prerequisite:Table A.246/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	



Table A.258: Elements for D\_KEY\_END\_DELIVERY

Prerequisite:Table A.254/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.259: Elements for U\_END

Prerequisite:Table A.254/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.260: Elements for D\_REJECT

Prerequisite:Table A.254/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.261: Elements for U\_ABORT

Prerequisite:Table A.254/7				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.262: Elements for U\_ACK

Prerequisite:Table A.254/8				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

A.8.1.1.4 Key delivery parameters

Table A.263: Key delivery parameters

Prerequisite:Table A.240/1						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T743	[2] 6.1	c26301 1		20 -- sec	
2	T747	[2] 6.1	c018		90 -- sec	

c26301 If (A.241/2 OR A.241/3) supported THEN m  
ELSE n/a.

-- TTK OR Generic Key delivery supported

c018 If A.242/1 THEN m -- Generic Key delivery without authentication implemented  
ELSE n/a

## A.9 Data

### A.9.1 Data sub-entities

**Table A.264: Data sub-entities**

Prerequisite: Table A.2/4				
Item	Data sub-entity	Reference	Status	Support
1	Connected packet message transmission mode	5.7	o.18	
2	Broadcast transmission mode	5.7	o.18	
3	Short datagram message transmission mode	5.7	c26401	
4	Choice of requested RT	5.2.4	o	
5	Paging	4.3.2.2	m	
6	Coexisting versions	4.3.3	m	

o.18 It is mandatory to support at least one of these items.

c26401 If A.124/1 THEN m -- Emergency status signalling supported  
ELSE o.18.

#### A.9.1.1 Connected packet message transmission mode

##### A.9.1.1.1 Connected packet message transmission mode features

**Table A.265: Connected packet message transmission mode services**

Prerequisite: Table A.264/1				
Item	Connected packet message transmission mode service	Reference	Status	Support
1	SDP service	5.7.2	o.19	
2	TCP service	5.7.2	o.20	

o.20 It is mandatory to support at least one of these items.

**Table A.266: Connected packet message transmission mode features**

Prerequisite: Table A.264/1				
Item	Connected packet message transmission mode feature	Reference	Status	Support
1	Uplink packet mode data transfer	5.7.2	o.20	
2	Downlink packet mode data transfer	5.7.2	o.20	

o.20 It is mandatory to support at least one of these items.

**Table A.267: Uplink packet mode data transfer features**

Prerequisite: Table A.266/1				
Item	Uplink packet mode data transfer feature	Reference	Status	Support
1	Uplink transmission request	5.7.2.2	m	
2	Transfer on CCH procedure	5.7.2.4	m	
3	Switch to DCH for uplink transfer	5.7.2.2	c020	
4	Transfer on DCH procedure	5.7.2.4	o	
5	CCH transmission end	5.7.2.5	m	
6	DCH transmission end	5.7.2.5	c020	

c020 If A.267/4 THEN m -- Uplink data transfer on DCH supported  
ELSE n/a.



Table A.271: Elements for D\_ACK

Prerequisite:Table A.269/2				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	

Table A.272: Elements for D\_DATA\_AUTHENTICATION

Prerequisite:Table A.269/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	KEY_REFERENCE	[2] 5.3	m	
3	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	
4	KEY_REFERENCE	[2] 5.3 see PAS 0001-16-1	m	

Table A.273: Elements for U\_AUTHENTICATION

Prerequisite:Table A.269/4				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	VAL	[2] 5.3	m	
3	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.274: Elements for D\_CONNECT\_CCH

Prerequisite:Table A.269/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.275: Elements for D\_CONNECT\_DCH

Prerequisite:Table A.269/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	DCH_LOW_LAYER	[2] 5.3	m	
3	CHANNEL_ID	[2] 5.3	m	
4	U_CH_SCRAMBLING	[2] 5.3	m	
5	D_CH_SCRAMBLING	[2] 5.3	m	

Table A.276: Elements for D\_DCH\_OPEN

Prerequisite:Table A.269/7				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	

Table A.277: Elements for U\_ACK

Prerequisite:Table A.269/8				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

Table A.278: Elements for U\_DATA\_MSG\_UP

Prerequisite:Table A.269/9				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	Other elements	See PAS 0001-13-2	m	

Table A.279: Elements for D\_DATA\_END

Prerequisite:Table A.269/10				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.280: Elements for D\_REFUSAL

Prerequisite:Table A.269/11				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.281: Elements for D\_REJECT

Prerequisite:Table A.269/12				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.282: Elements for U\_ABORT

Prerequisite:Table A.269/13				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.283: Downlink data transfer PDUs

Prerequisite:Table A.266/2				
Item	Downlink data transfer PDU	Reference	Status	Support
1	D_HOOK_ON_INVITATION	[2] 4.4.43	m	
2	U_TERMINATE	[2] 4.4.103	m	
3	D_DATA_REQUEST	[2] 4.4.22	m	
4	U_DATA_DOWN_ACCEPT	[2] 4.4.81	m	
5	D_CONNECT_CCH	[2] 4.4.15	m	
6	D_CONNECT_DCH	[2] 4.4.16	c021	
7	D_DCH_OPEN	[2] 4.4.25	c021	
8	U_ACK	[2] 4.4.67	c021	
9	D_DATA_MSG_DOWN	[2] 4.4.21	m	
10	D_DATA_END	[2] 4.4.20	m	
11	U_ABORT	[2] 4.4.66	m	
12	D_REJECT	[2] 4.4.53	m	
13	X_EMPTY	[2] 4.4.106	m	

c021            If A.268/4    THEN m -- Downlink data transfer on DCH supported  
 ELSE n/a.

Table A.284: Elements for D\_HOOK\_ON\_INVITATION

Prerequisite:Table A.283/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.285: Elements for U\_TERMINATE

Prerequisite:Table A.283/2				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	CAUSE	[2] 5.2	m	

Table A.286: Elements for D\_DATA\_REQUEST

Prerequisite:Table A.283/3				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	
5	TYPAPDON	[2] 5.3	m	
6	KEY_REFERENCE	[2] 5.3	m	
7	VALID_RT	[2] 5.3 see PAS 0001-16-1	m	
8	DKEY_REFERENCE	[2] 5.3 see PAS 0001-16-1	m	

Table A.287: Elements for U\_DATA\_DOWN\_ACCEPT

Prerequisite: Table A.283/4				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	
3	CODOP	[2] 5.1	m	
4	VAL	[2] 5.3	m	
5	RESULT_RT	[2] 5.3 see PAS 0001-16-1	m	

Table A.288: Elements for D\_CONNECT\_CCH

Prerequisite: Table A.283/5				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	

Table A.289: Elements for D\_CONNECT\_DCH

Prerequisite: Table A.283/6				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	DCH_LOW_LAYER	[2] 5.3	m	
3	CHANNEL_ID	[2] 5.3	m	
4	U_CH_SCRAMBLING	[2] 5.3	m	
5	D_CH_SCRAMBLING	[2] 5.3	m	

Table A.290: Elements for D\_DCH\_OPEN

Prerequisite: Table A.283/7				
Item	Element	Reference	Status	Support
1	BS_REF	[2] 5.3	m	
2	RT_REF	[2] 5.3	m	
3	CALL_PRIORITY	[2] 5.3	m	
4	CODOP	[2] 5.1	m	

Table A.291: Elements for U\_ACK

Prerequisite: Table A.283/8				
Item	Element	Reference	Status	Support
1	RT_REF	[2] 5.3	m	
2	BS_REF	[2] 5.3	m	

Table A.292: Elements for D\_DATA\_MSG\_DOWN

Prerequisite: Table A.283/9				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	Other elements	See PAS 0001-13-2	m	

Table A.293: Elements for D\_DATA\_END

Prerequisite: Table A.283/10				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.294: Elements for U\_ABORT

Prerequisite: Table A.283/11				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.295: Elements for D\_REJECT

Prerequisite: Table A.283/12				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

#### A.9.1.1.3 Data transfer parameters

Table A.296: Uplink data transfer parameters

Prerequisite: Table A.266/1						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T780	[2] 6.1	m		10 -- sec	
2	T784	[2] 6.1	m		90 -- sec	
3	T787	[2] 6.1	m		10 -- sec	

Table A.297: Downlink data transfer parameters

Prerequisite: Table A.266/2						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T784	[2] 6.1	m		90 -- sec	
2	T787	[2] 6.1	m		10 -- sec	

#### A.9.1.2 Broadcast message service

##### A.9.1.2.1 Broadcast message features

Table A.298: Broadcast message features

Prerequisite: Table A.264/2				
Item	Broadcast message feature	Reference	Status	Support
1	Broadcast without notification mode	5.7.4	o.21	
2	Broadcast with notification mode	5.7.5	o.21	

o.21 It is mandatory to support at least one of these items.

**Table A.299: Broadcast with notification features**

Prerequisite:Table A.298/2				
Item	Broadcast with notification feature	Reference	Status	Support
1	Broadcast with notification mode on CCH	5.7.4	o.22	
2	Broadcast with notification mode on TCH	5.7.4	o.22	

o.22 It is mandatory to support at least one of these items.

**Table A.300: Broadcast without notification mode PDU**

Prerequisite: Table A.298/1				
Item	Broadcast without notification mode PDU	Reference	Status	Support
1	D_BROADCAST	[2] 4.4.7	m	

**Table A.301: Elements for D\_BROADCAST**

Prerequisite:Table A.300/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALL_PRIORITY	[2] 5.3	m	
3	MESSAGE_REFERENCE	[2] 5.3	m	
4	KEY_REFERENCE	[2] 5.3	m	
5	USER_DATA	[2] 5.3	m	

**Table A.302: Broadcast with notification mode PDU**

Prerequisite:Table A.298/2				
Item	Broadcast with notification mode PDU	Reference	Status	Support
1	D_DATAGRAM_NOTIFY	[2] 4.4.23	m	
2	D_DATAGRAM	[2] 4.4.24	m	

Table A.303: Elements for D\_DATAGRAM\_NOTIFY

Prerequisite: Table A.302/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALL_PRIORITY	[2] 5.3	m	
3	MESSAGE_REFERENCE	[2] 5.3	m	
4	KEY_REFERENCE	[2] 5.3	m	

Table A.304: Elements for D\_DATAGRAM

Prerequisite: Table A.302/2				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALL_PRIORITY	[2] 5.3	m	
3	MESSAGE_REFERENCE	[2] 5.3	m	
4	KEY_REFERENCE	[2] 5.3	m	
5	USER_DATA	[2] 5.3	m	

Table A.305: Broadcast parameters

Prerequisite: Table A.264/3						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T500	[2] 6.1	c30501		10 -- sec	
	T564	[2] 6.1	c30502		6 -- sec	

c30501 If A.298/1 THEN m -- Broadcast without notification mode supported  
ELSE n/a.

c30502 If A.298/2 THEN m -- Broadcast with notification mode supported  
ELSE n/a.

### A.9.1.2 Short datagram message transmission

#### A.9.1.2.1 Short datagram message transmission features

Table A.306: Short datagram message transmission features

Prerequisite: Table A.264/3				
Item	Short datagram message transmission feature	Reference	Status	Support
1	Short datagram sending	5.7.3.1	c30601	
2	Short datagram sending in SwMI polling mode	5.7.6.1	o.23	
3	Short datagram reception on CCH	5.7.3.2	o.23	
4	Short datagram reception on TCH	5.7.3.2	o.23	
5	Status Reception	5.7.3.3	o	

c30601 If A.124/1 THEN m -- Emergency status signalling supported  
ELSE o.23.

o.23 It is mandatory to support at least one of these items.

**A.9.1.2.2 Short datagram transmission PDUs**

**Table A.307: Short datagram sending / Short datagram sending in SwMI polling mode PDU**

Prerequisite: Table A.306/1 OR Table A.306/2				
Item	Short datagram sending / Short datagram sending in SwMI polling mode PDU	Reference	Status	Support
1	U_SHORT_DATA	[2] 4.4.102	m	

**Table A.308: Elements for U\_SHORT\_DATA**

Prerequisite: Table A.307/1				
Item	Element	Reference	Status	Support
1	SHORT_DATA_CONTENT	[2] 5.3	m	

**Table A.309: Short datagram reception on CCH / on TCH PDU**

Prerequisite: Table A.306/3 OR Table A.306/4				
Item	Short datagram reception on CCH / on TCH PDU	Reference	Status	Support
1	D_SHORT_DATA	[2] 4.4.58	m	

**Table A.310: Elements for D\_SHORT\_DATA**

Prerequisite: Table A.309/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	SHORT_DATA_CONTENT	[2] 5.3	m	

**Table A.311: Status Reception PDU**

Prerequisite: Table A.306/5				
Item	Status Reception PDU	Reference	Status	Support
1	D_DATA_DOWN_STATUS	[2] 4.4.19	m	

**Table A.312: Elements for D\_DATA\_DOWN\_STATUS**

Prerequisite: Table A.311/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	RT_STATUS_CODE	[2] 5.3	m	
3	RT_STATUS_INFO	[2] 5.3	m	
4	CELL_ID	[2] 5.3	m	
5	RT_ID	[2] 5.3	m	

## A.9.1.3 Choice of requested RT

## A.9.1.3.1 Choice of requested RT PDUs

Table A.313: Choice of requested RT PDUs

Prerequisite: Table A.264/4				
Item	Choice of requested RT PDU	Reference	Status	Support
1	D_CALL_WAITING	[2] 4.4.14	m	
2	U_CALL_ACCEPTED	[2] 4.4.71	m	
3	U_CALL_REJECTED	[2] 4.4.77	m	

Table A.314: Elements for D\_CALL\_WAITING

Prerequisite: Table A.313/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CALL_PRIORITY	[2] 5.3	m	
3	APPLI_SAP_ID	[2] 5.3	m	
4	CALL_ID	[2] 5.3	m	

Table A.315: Elements for U\_CALL\_ACCEPTED

Prerequisite: Table A.313/2				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CALL_ID	[2] 5.3	m	

Table A.316: Elements for U\_CALL\_REJECTED

Prerequisite: Table A.313/3				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	
2	CALL_ID	[2] 5.3	m	
3	CAUSE	[2] 5.2	m	

## A.9.1.3.2 Choice of requested RT parameters

Table A.317: Choice of requested RT parameters

Prerequisite: Table A.264/4						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	D78A	[2] 6.1	m		1 -- sec	

**A.9.1.4 Paging**

**A.9.1.4.1 Paging PDUs**

**Table A.318: Paging PDUs**

Prerequisite: Table A.264/5				
Item	Paging PDU	Reference	Status	Support
1	D_RETURN	[2] 4.4.55	m	
2	U_ANSWER_TO_PAGING	[2] 4.4.68	m	
3	D_BACK_CCH	[2] 4.4.6	o	
4	X_EMPTY	[2] 4.4.106	m	

**Table A.319: Elements for D\_RETURN**

Prerequisite: Table A.318/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

**Table A.320: Elements for U\_ANSWER\_TO\_PAGING**

Prerequisite: Table A.318/2				
Item	Element	Reference	Status	Support
1	CODOP_DACH	[2] 5.1	m	

**Table A.321: Elements for D\_BACK\_CCH**

Prerequisite: Table A.318/3				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	
3	CALLED_ADR	[2] 5.3	m	

**A.9.1.4.2 Paging parameters**

**Table A.322: Paging parameters**

Prerequisite: Table A.264/5						
Item	Parameter	Reference	Status	Support	Values	
					Allowed	Supported
1	T500	[2] 6.1	m		6 -- sec	
2	T501	[2] 6.1	m		6 -- sec	
3	T507	[2] 6.1	m		6 -- sec	

## A.9.1.5 Coexisting versions

## A.9.1.5.1 Coexisting versions PDUs

Table A.323: Coexisting versions PDUs

Prerequisite: Table A.264/6				
Item	Coexisting versions PDU	Reference	Status	Support
1	D_REFUSAL	[2] 4.4.50	m	
2	U_ABORT	[2] 4.4.66	m	
3	X_EMPTY	[2] 4.4.106	m	

Table A.324: Elements for D\_REFUSAL

Prerequisite: Table A.323/1				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

Table A.325: Elements for U\_ABORT

Prerequisite: Table A.323/2				
Item	Element	Reference	Status	Support
1	CODOP	[2] 5.1	m	
2	CAUSE	[2] 5.2	m	

## History

<b>Document history</b>		
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