Final draft **EN 300 403-3** V1.2.2 (1998-01)

European Standard (Telecommunications series)

Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 3: Protocol Implementation Conformance Statement (PICS) proforma specification

ETSI

European Telecommunications Standards Institute

Reference
_____
REN/SPS-05124-3 (3qcr0ipc.PDF)

Keywords
_____
ISDN, DSS1, layer 3, basic, UNI, PICS

ETSI Secretariat

Postal address
_____
F-06921 Sophia Antipolis Cedex - FRANCE

Office address
_____
650 Route des Lucioles - Sophia Antipolis
Valbonne - FRANCE
Tel.: +33 4 92 94 42 00   Fax: +33 4 93 65 47 16
Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

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Internet
_____
secretariat@etsi.fr
http://www.etsi.fr

Contents

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS), and is now submitted for the Voting phase of the ETSI standards Two-step Approval Procedure (TAP).

The present document is part 3 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) signalling network layer for circuit-mode basic call control, as described below:

Part 1:   "Protocol specification";

Part 2:   "Specification and Description Language (SDL) diagrams";

Part 3:   "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 4:   "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";

Part 5:   "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";

Part 6:   "TSS&TP specification for the network";

Part 7:   "ATS and partial PIXIT proforma specification for the network".

Proposed national transposition dates	
Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

Introduction

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

EN 300 403-1 is derived from ITU-T Recommendation Q.931 (1993). However, no PICS proforma exists for this Recommendation. Therefore, ETSI has created a PICS proforma that is specific to the European environment. This PICS proforma reflects the requirements contained in ITU-T Recommendation Q.931 with the modifications applied by EN 300 403-1. This has been done to assist understanding of how the European requirements relate to the requirements contained within ITU-T Recommendation Q.931 (and in particular, to the options specified in ITU-T Recommendation Q.931 that are selected by EN 300 403-1). In practical terms, this means that a number of capabilities specified by ITU-T Recommendation Q.931 appear as items in this PICS proforma with a status more akin to the status that would be expected in a profile ICS (i.e. out-of-scope (I), prohibited (X)).

Annex B of the present document describes the differences between the proforma contained in annex A and the proforma for the earlier version of the DSS1 protocol as specified in ETS 300 102-1 (1990).

1 Scope

This third part of EN 300 403 provides the Protocol Implementation Conformance Statement (PICS) proforma for the Integrated Services Digital Network (ISDN) Digital Subscriber Signalling System No. one (DSS1) protocol signalling network layer for circuit-mode basic call control as specified in EN 300 403-1 [1] and ETS 300 403-2 [2] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [4].

The supplier of an implementation that is claimed to conform to EN 300 403-1 [1] and ETS 300 403-2 [2] is required to complete a copy of the PICS proforma provided in annex A of the present document and is required to provide the information necessary to identify both the supplier and the implementation.

2 References

References may be made to:

   a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or

   b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or

   c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or

   d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

2.1 Normative references

   [1]   EN 300 403-1 (V1.2): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".

   [2]   ETS 300 403-2 (1995): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 2: Specification Description Language (SDL) diagrams".

2.2 Informative references

   [3]   ISO/IEC 9646-1 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

   [4]   ISO/IEC 9646-7 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

3   Definitions and abbreviations

3.1   Definitions

In addition to the definitions in EN 300 403-1 [1], ETS 300 403-2 [2], ISO/IEC 9646-1 [3] and ISO/IEC 9646-7 [4], the following definitions 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, and information object ICS (see ISO/IEC 9646-1 [3]).

Protocol Implementation Conformance Statement (PICS): An ICS for an implementation or system claimed to conform to a given specification (see ISO/IEC 9646-1 [3]).

PICS proforma: A document, in the form of a questionnaire, which when completed for an implementation or system becomes a PICS (see ISO/IEC 9646-1 [3]).

3.2   Abbreviations

The following abbreviations apply:

BC	Bearer Capability information element
DSS1	Digital Subscriber Signalling System No. one
HLC	High Layer Compatibility information element
ICS	Implementation Conformance Statement
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
LLC	Low Layer Compatibility information element
LLI	Logical Link Identifier
MFE	Multiple Frame Establishment
NIC	Network Independent Clock
OSI	Open Systems Interconnection
PABX	Private Automatic Branch Exchange
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
SUT	System Under Test
(T)	Transparent (PDU parameter)
USBS	User Signalling Bearer Service

4   Conformance

A PICS proforma that conforms to this PICS proforma specification shall be technically equivalent to annex A, and shall preserve the numbering and ordering of the items in annex A.

A PICS that conforms to this PICS proforma specification shall:

a) describe an implementation which conforms to EN 300 403-1 [1] and ETS 300 403-2 [2];

b) be a conforming PICS proforma, which has been completed in accordance with the instructions for completion given in clause A.1; and

c) include the information necessary to uniquely identify both the supplier and the implementation.

Annex A (normative):
PICS proforma for EN 300 403-1 and ETS 300 403-2

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document 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   Purpose and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in EN 300 403-1 [1] and ETS 300 403-2 [2] may provide information in a standardized manner.

The PICS proforma is subdivided into clauses as follows:

- guidance for completing the various parts of the PICS proforma;

- identification of the implementation;

- identification of the protocol to which this PICS proforma applies;

- global statement of conformance;

- questions to determine roles;

- questions for the user role; and

- questions for the network role.

A.1.2   Symbols, abbreviations and conventions

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 [4].

Item column

The item column contains a unique reference (a mnemonic plus a number) for each item within the PICS proforma.

   NOTE: Where possible, backwards compatibility has been maintained between the item references used in this PICS proforma and those used in the PICS proforma for the earlier version of the DSS1 protocol described in ETS 300 102-1.

In general, the same mnemonics have been used in this PICS proforma as in earlier proforma. An additional lower case letter has been added to differentiate PICS items related to the user role (e.g. MCu) and PICS items related to the network role (e.g. MCn). In earlier PICS proforma both these cases were identified by the same mnemonic (e.g. MC).

A further consequence of maintaining backwards compatibility is the appearance of discontinuities in the numeric part of the item reference. There are, for example, PICS items listed as messages transmitted by the network with the references "MTn 2" and "MTn 4"; the reference between, "MTn 3" is not used.

Item description column

The item description contains a brief summary of the static requirement for which a support answer is required.

Conditions for status column

The conditions for status column contains a specification, if appropriate, of the predicate upon which a conditional status is based.

Status column

The following notations, defined in ISO/IEC 9646-7 [4], are used for the status column:

NOTE: To support a capability means that the capability is implemented in conformance to EN 300 403-1 [1] and ETS 300 403-2 [2].

I   Irrelevant or out-of-scope - this capability is outside the scope of the ETS to which this PICS proforma applies and is not subject to conformance testing in this context.

M   Mandatory - the capability is required to be supported.

N/A   Not Applicable - in the given context, it is impossible to use the capability. No answer in the support column is required.

O   Optional - the capability may be supported or not.

O.i   qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer that identifies an unique group of related optional items and the logic of their selection, defined below the table.

X   eXcluded or prohibited - there is a requirement not to use this capability in a given context.

Reference column

Except where explicitly stated, the reference column refers to the appropriate parts of EN 300 403-1 [1] describing the particular item. Note, however, that a reference merely indicates the place where the core of a description of an item can be found. Any additional information contained in EN 300 403-1 [1] and ETS 300 403-2 [2] has to be taken into account when making a statement about the conformance of that particular item.

Support column

The following notation, defined in ISO/IEC 9646-7 [4], is used for the support column:

[ ] Yes [ ] No   Tick "Yes" if item is supported, tick "No" if item is not supported.

[ ] N/A   Tick "N/A" if the item is "not applicable".

Prerequisite line

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

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

A.1.3   Instructions for completing the PICS proforma

The supplier of the implementation shall complete the PICS proforma. For each row in each PICS proforma table the supplier shall enter an explicit answer (i.e. by ticking the appropriate "Yes", "No", or "N/A" in each of the support column boxes provided. Where a support column box is left blank, or where it is marked "N/A" without any tickbox, no answer is required. If necessary, the supplier may enter additional comments at the end of each table, or separately.

More detailed instructions may be found at the beginning of each section of the proforma.

A.1.4 The PICS proforma tables

A.1.4.1 Correspondence to a physical interface

The "implementation" (IUT) about which this PICS proforma asks questions corresponds to a layer 3 implementation on top of ONE physical interface (i.e. one ISDN Basic access or one ISDN Primary rate access interface structure). If the SUT implements both Basic access and Primary rate access interface structures, and in the case of the Basic access, supports more than one configuration, then a layer 3 PICS shall be created for each type of interface (and for each configuration of each interface) provided by the SUT.

A.1.4.2 Structure of the tables

The supplier shall provide answers to the questions concerning the major roles of the IUT and the type of interface (table A.1). The supplier shall then provide answers to the questions relating to the capabilities of the IUT in one of the major roles as appropriate. The supplier shall also provide answers to the questions relating to the type of interface supporting the IUT (the behaviour of the IUT is dependant on the type of interface and its configuration). Apart from the initial questions to determine roles, the major roles of the IUT - the user role (R 2.1) and the network role (R 2.2), are treated completely separately in the PICS proforma. It is only necessary to complete the questions for the supported role. The answers to the "type of interface" questions (represented by items R 3.x, R 6.x and R 7.x) condition the answers to the further questions within each major role (user and network).

Clause A.6 concerns the capabilities of the IUT whilst in the user role. Clause A.7 concerns the capabilities of the IUT whilst in the network role.

A.1.4.3 Complexity of conditions in PDU parameter tables

The conditions governing when an individual information element has to be supported in a specific message are quite complex. This is particularly so for the Bearer capability, Progress indicator, and High layer compatibility information elements when they are transmitted by an IUT in the user role. To make the conditions for status easier to understand questions about these information elements have been split into several sub-items.

A.1.4.4 Support for received PDU parameters

In the PDU parameter tables (A.6.5 and A.7.5), the PICS proforma asks questions about the information elements (parameters) supported in messages (PDUs) received by the IUT. This subclause explains, in the context of EN 300 403-1 [1], what "to support a received PDU parameter" means.

The requirement that an IUT is able to parse an information element in a received message is already implied by claiming support for the receipt of that received message. This means that "to support a received PDU parameter" implies more.

Information elements in received messages are regarded as either transparent or non-transparent.

A non-transparent information element is one that causes the protocol control entity to vary its behaviour in accordance with the content of the information element. To support a non-transparent information element means an IUT can process the received parameter and behave according to the procedures described in EN 300 403-1 [1].

An information element is transparent if the actions taken according to its contents are not detectable in the subsequent behaviour of the protocol (i.e. EN 300 403-1 [1] does not specify the protocol behaviour). To support a transparent information element means an IUT can receive the information element concerned and pass it to an appropriate processing entity (e.g. call control); the information element is not discarded by the protocol control entity. Non-support of a transparent information element means the IUT discards it.

Where EN 300 403-1 [1], in addition to not specifying the protocol behaviour, does not specify the non-protocol behaviour, transparent parameters have been allocated the status Irrelevant (I). In such cases the Client may choose not to answer whether or not the IUT supports the item. If the item is claimed to be supported, an explanation shall be given in the comments field of the table indicating what actions are performed on receipt of the parameter.

This PICS proforma considers the Cause, Display, and Keypad facility information elements to be transparent in all circumstances where they are possible to be received. Other information elements may be transparent in some circumstances (e.g. High layer compatibility and Low layer compatibility when received by the network). Transparent parameters are marked by "(T)" in the PDU parameter tables.

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 to provide as much detail as possible regarding version numbers and configuration options.

The product supplier 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:

....

E-mail address:

....

Address:

....

....

....

Telephone number:

....

Facsimile number:

....

Additional information:

....

....

A.2.5　Client

Name:

....

E-mail address:

....

Address:

....

....

....

Telephone number:

....

Facsimile number:

....

Additional information:

....

....

A.2.6   PICS contact person

Name:

....

E-mail address:

....

Address:

....

....

....

Telephone number:

....

Facsimile number:

....

Additional information:

....

....

....

A.3   Identification of the protocol

This PICS proforma applies to the following standards:

EN 300 403-1 (V1.2): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]"; and

ETS 300 403-2 (1995): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 2: Specification Description Language (SDL) diagrams".

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. Explanations may be entered in the comments field at the bottom of each table or on attached pages.

A.5   Roles

Table A.1: Roles

Item	Role: **Does the implementation support...**	Conditions for status	Status	Reference	Support
R 1	not used				
	Major role				
R 2.1	the user role		O.1		[ ]Yes [ ]No
R 2.2	the network role		O.1		[ ]Yes [ ]No
	Type of interface				
R 3.1	requirements at the coincident S and T reference point		O.2		[ ]Yes [ ]No
R 3.2	requirements for interworking with private ISDNs at the T reference point		O.2		[ ]Yes [ ]No
R 4	not used				
R 5	not used				
R 6.1	basic access		O.3		[ ]Yes [ ]No
R 6.2	primary rate access		O.3		[ ]Yes [ ]No
R 7.1	point-to-point configuration	R 6.1 R 6.2	O.4 M		[ ]Yes [ ]No
R 7.2	multi-point configuration	R 6.1 R 6.2	O.4 N/A		[ ]Yes [ ]No [ ]N/A
O.1	Support of one, and only one, of these options is required.				
O.2	Support of one, and only one, of these options is required.				
O.3	Support of one, and only one, of these options is required.				
O.4	Support of one, and only one, of these options is required.				
Comments:					

A.6   User

The tables provided in this subclause need only to be completed for user implementations.

Prerequisite: R 2.1

A.6.1   Type of implementation

Answers to the questions in table A.2 are required to permit the conditions for status for the user role to be properly evaluated for a specific IUT. The questions refer to aspects outside the scope of EN 300 403-1 [1], but which affect the behaviour of the basic call protocol.

Table A.2: Type of implementation

Item	Type of implementation: Does the implementation...	Conditions for status	Status	Reference	Support
Tlu 1	(e.g. a PABX) provide interworking capability with non-ISDN equipment		I	5.1.6, 5.2.6	[ ]Yes [ ]No
Tlu 2	support one or more of the speech, 3,1 kHz audio or unrestricted digital information with tones/announcements bearer capabilities		I	5.1	[ ]Yes [ ]No
Tlu 3	provide (or transmit) in-band tones/announcements as a called user		I	5.2.6, annex K	[ ]Yes [ ]No
Tlu 4	support one or more "existing services" (note)		I	5.13	[ ]Yes [ ]No
Tlu 5	support services other than "existing services" (note)		I	5.13	[ ]Yes [ ]No
NOTE:	"Existing services" are those basic telecommunication services associated with the speech, 3,1 kHz audio and 64 kbit/s unrestricted bearer capabilities. Services other than the existing services include services based on, for example, the unrestricted digital information with tones / announcements bearer capability.				

A.6.2   Major capabilities

Each question in table A.3 refers to a major function of the protocol. Answering "Yes" to a particular question states that the implementation supports all the mandatory procedures for that function defined in the referenced clauses and subclauses of EN 300 403-1 [1]. Answering "No" to a particular question states that the implementation does not support that function of the protocol.

Table A.3: Major capabilities of the user role

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	Call establishment at the originating interface				
MCu 1	outgoing calls		O.5	5.1	[ ]Yes [ ]No
MCu 1.1	called party addressing information sent only in the SETUP message (en-bloc sending)	MCu 1 NOT MCu 1	O.6 N/A	5.1.1, 5.1.5.1	[ ]Yes [ ]No [ ]N/A
MCu 1.2	called party addressing information split across, and sent in, SETUP and INFORMATION messages (overlap sending)	MCu 1 NOT MCu 1	O.6 N/A	5.1.3, 5.1.5.2	[ ]Yes [ ]No [ ]N/A
MCu 1.3	sending of a notification of interworking on an outgoing call (notification sent by the calling user)	MCu 1 AND TIu 1 NOT MCu 1 OR NOT TIu 1	M N/A	5.1.6 (last paragraph)	[ ]Yes [ ]No [ ]N/A
MCu 1.4	transit network selection	MCu 1 NOT MCu 1	O N/A	5.1.10, annex C	[ ]Yes [ ]No [ ]N/A
MCu 1.5	procedures associated with network's provision of in-band tones/announcements	MCu 1 AND TIu 2 MCu 1 AND NOT TIu 2 NOT MCu 1	M O N/A	5.1.2, 5.1.3, 5.1.6, 5.4	[ ]Yes [ ]No [ ]N/A
MCu 1.6	interpretation of a notification of interworking on an outgoing call (notification received by the calling user)	MCu 1 NOT MCu 1	M N/A	5.1.6 (first to third paragraph)	[ ]Yes [ ]No [ ]N/A
MCu 1.7	generation of local tones and local alerting indications	MCu 1 NOT MCu 1	O N/A	5.1.2, 5.1.7	[ ]Yes [ ]No [ ]N/A
	Call establishment at the destination interface				
MCu 2	incoming calls		O.5	5.2	[ ]Yes [ ]No
MCu 2.1	called party addressing information sent only in the SETUP message (en-bloc receiving)	MCu 2 NOT MCu 2	M N/A	5.2.1, 5.2.5.1	[ ]Yes [ ]No [ ]N/A
MCu 2.2	called party addressing information split across, and sent in, SETUP and INFORMATION messages (overlap receiving)	MCu 2 NOT MCu 2	O N/A	5.2.1, 5.2.4, 5.2.5.1	[ ]Yes [ ]No [ ]N/A
MCu 2.3	interpretation of a notification of interworking on an incoming call (notification received by the called user)	MCu 2 NOT MCu 2	M N/A	5.2.6 (first paragraph)	[ ]Yes [ ]No [ ]N/A
MCu 2.4	acceptance of the SETUP message on a point-to-point data link	MCu 2 AND R 7.1 NOT MCu 2 OR NOT R 7.1	M N/A	5.2.1, 5.2.3.1	[ ]Yes [ ]No [ ]N/A
MCu 2.5	acceptance of the SETUP message on a broadcast data link	MCu 2 AND R 7.2 NOT MCu 2 OR NOT R 7.2	M N/A	5.2.1, 5.2.3.2	[ ]Yes [ ]No [ ] N/A
MCu 2.6	sending of a notification of interworking on an incoming call (notification sent by the called user)	MCu 2 AND TIu 1 NOT MCu 2 OR NOT TIu 1	M N/A	5.2.6 (second to fourth paragraph)	[ ]Yes [ ]No [ ]N/A
MCu 2.7	compatibility checking	MCu 2 NOT MCu 2	M N/A	5.2.2, annex B	[ ]Yes [ ]No [ ]N/A
	Others				
MCu 3	initiation of call clearing		M	5.3.3	[ ]Yes [ ]No
MCu 4.1	call clearing initiated by the network when tones/announcements provided		O	5.3.4.1	[ ]Yes [ ]No
MCu 4.2	call clearing initiated by the network when tones/announcements are not provided		M	5.3.4.2	[ ]Yes [ ]No
MCu 5.1	restart procedure (interpretation of a received RESTART message)	R 7.1 NOT R 7.1	M O	5.5.2	[ ]Yes [ ]No
MCu 5.2	initiation of restart procedure	R 7.1 NOT R 7.1	M O	5.5.1	[ ]Yes [ ]No
MCu 6	initiation of call rearrangement	R 6.1 R 6.2	O X	5.6	[ ]Yes [ ]No
MCu 7.1	response procedure to status enquiry request		M	5.8.10	[ ]Yes [ ]No
MCu 7.2	initiation of status enquiry procedure		O	5.8.10	[ ]Yes [ ]No
MCu 8	symmetric call operation		X	2.1, annex D	[ ]Yes [ ]No

(continued)

Table A.3 (concluded): Major capabilities of the user role

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MCu 9	invocation of network specific facility selection	MCu 1 NOT MCu 1	O N/A	annex E	[ ]Yes [ ]No [ ]N/A
MCu 10.1	initiation of LLC negotiation (as a calling user)	MCu 1 NOT MCu 1	O N/A	J.3	[ ]Yes [ ]No [ ]N/A
MCu 10.2	processing of a LLC negotiation received in a SETUP (as a called user)	MCu 2 NOT MCu 2	O N/A	J.3	[ ]Yes [ ]No [ ]N/A
MCu 11	procedures for the control of the user signalling bearer service		I	1.1, 2.2, 3.2, 7	[ ]Yes [ ]No
MCu 13	message segmentation procedures		O	annex H	[ ]Yes [ ]No
MCu 14	D-channel backup procedure		X	annex F	[ ]Yes [ ]No
MCu 15	procedures for bearer service change		X	annex L	[ ]Yes [ ]No
MCu 16	procedures for the control of packet communications		I	1.1, 3.3, 6	[ ]Yes [ ]No
MCu 17	procedures for the control of circuit-mode multirate connections		O	8	[ ]Yes [ ]No
MCu 19	handling of error conditions		M	5.8	[ ]Yes [ ]No
MCu 20	initiation of a user notification procedure	MCu 6 AND R 3.2 NOT MCu 6 OR NOT R 3.2	O N/A	5.9	[ ]Yes [ ]No [ ]N/A
MCu 21.1	initiation of BC selection (as a calling user)	MCu 1 NOT MCu 1	O N/A	5.10, 5.11.1	[ ]Yes [ ]No [ ]N/A
MCu 21.2	processing of incoming BC selection request (as a called user)	MCu 2 NOT MCu 2	O N/A	5.10, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MCu 22.1	initiation of HLC selection (as a calling user)	MCu 1 NOT MCu 1	O N/A	5.10, 5.12.1	[ ]Yes [ ]No [ ]N/A
MCu 22.2	processing of incoming HLC selection request (as a called user)	MCu 2 NOT MCu 2	O N/A	5.10, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
MCu 23.1	status request procedures for "existing services"	R 3.1 AND TIu 4 NOT R 3.1 OR NOT TIu 4	O N/A	5.13	[ ]Yes [ ]No [ ]N/A
MCu 23.2	status request procedures for services other than "existing services"	R 3.1 AND TIu 5 NOT R 3.1 OR NOT TIu 5	M N/A	5.13	[ ]Yes [ ]No [ ]N/A
O.5 Support of at least one of these options is required. O.6 Support of at least one of these options is required.					
Comments:					

A.6.3   Subsidiary capabilities

Indicating support for an item in table A.4 states that the implementation supports special cases or options within a major capability.

Table A.4: Subsidiary capabilities of the user role

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	General				
SCu 2.1	use of a 1 octet call reference value for Basic access	R 6.1 NOT R 6.1	M N/A	4.3	[ ]Yes [ ]No [ ]N/A
SCu 2.2	use of a 2 octet call reference value for Primary rate access	R 6.2 NOT R 6.2	M N/A	4.3	[ ]Yes [ ]No [ ]N/A
SCu 2.3	use of a 1 octet call reference value for Primary rate access	R 6.2 NOT R 6.2	X N/A	4.3	[ ]Yes [ ]No [ ]N/A
	Call establishment at the originating interface				
SCu 1.1	sending of the called party address information in the Called party number information element	MCu 1 NOT MCu 1	M N/A	5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
SCu 1.2	sending of the called party address information in the Keypad facility information element	MCu 1 NOT MCu 1	X N/A	5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
SCu 100	use of the sending complete indication	MCu 1 NOT MCu 1	O N/A	5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
SCu 101	use of the Sending complete information element as the sending complete indication	SCu 100 NOT SCu 100	M N/A	5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
SCu 102	use of "#" as the sending complete indication	SCu 100 NOT SCu 100	X N/A	5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
SCu 103	deferring attachment to the B-channel until receipt of an appropriate call control message containing progress indicator #8 "In-band information or appropriate pattern is now available" or progress indicator #1 "call is not end-to-end ISDN; further call progress information may be available in-band"	MCu 1 NOT MCu 1	O N/A	5.1.2, 5.1.3, 5.1.7, 5.4	[ ]Yes [ ]No [ ]N/A
SCu 3	sending of CONNECT ACKNOWLEDGE message during outgoing call establishment	MCu 1 NOT MCu 1	O N/A	5.1.8	[ ]Yes [ ]No [ ]N/A
SCu 4	monitor the status of B-channels (in use or not in use)	MCu 1 NOT MCu 1	O N/A	5.1.1	[ ]Yes [ ]No [ ]N/A
	Call establishment at the destination interface				
SCu 110	permanent data link connection (establishment as soon as the TEI is assigned, and retained indefinitely)		O	5.2	[ ]Yes [ ]No
SCu 111	recognition of sending complete indication	MCu 2.2 MCu 2 AND NOT MCu 2.2 NOT MCu 2	M O N/A	5.2.1	[ ]Yes [ ]No [ ]N/A
SCu 112.1	recognition of the Sending complete information element as the sending complete indication	SCu 111 NOT SCu 111	M N/A	5.2.1	[ ]Yes [ ]No [ ]N/A
SCu 112.2	recognition of "#" as the sending complete indication		N/A	5.2.1	N/A
SCu 5	compatibility checking of the bearer service	MCu 2 NOT MCu 2	M N/A	5.2.2, annex B.3.2	[ ]Yes [ ]No [ ]N/A
SCu 6	compatibility checking of the lower layers	MCu 2 AND R 3.1 MCu 2 AND NOT R 3.1 NOT MCu 2	M O N/A	5.2.2, annex B.3.3	[ ]Yes [ ]No [ ]N/A
SCu 8	compatibility checking of the higher layers	MCu 2 NOT MCu 2	O N/A	5.2.2, annex B.3.3	[ ]Yes [ ]No [ ]N/A
SCu 113	compatibility checking using the User-user information element	MCu 2 NOT MCu 2	O N/A	5.2.2, annex B.3.3	[ ]Yes [ ]No [ ]N/A
SCu 114.1	ignoring of incompatible incoming calls on a broadcast data link	R 7.2 NOT R 7.2	O.7 N/A	5.2.2	[ ]Yes [ ]No [ ]N/A
SCu 114.2	rejection of incompatible incoming calls on a broadcast data link	R 7.2 NOT R 7.2	O.7 N/A	5.2.2	[ ]Yes [ ]No [ ]N/A
SCu 115	rejection of incompatible incoming calls on a point-to-point data link	R 7.1 NOT R 7.1	M N/A	5.2.2	[ ]Yes [ ]No [ ]N/A
SCu 116	rejection of compatible incoming calls with cause #17 "user busy"	MCu 2 AND R 3.1 MCu 2 AND R 3.2 NOT MCu 2	M X N/A	5.2.5.1	[ ]Yes [ ]No [ ]N/A

(continued)

Table A.4 (continued): Subsidiary capabilities of the user role

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	Call clearing				
SCu 120.1	inclusion of a second Cause information element (cause #102 "recovery on timer expiry") in the RELEASE message sent by the user on expiry of T305		O	5.3.4bis	[ ]Yes [ ]No
SCu 120.2	inclusion of a diagnostic field in the second Cause information element (cause #102 "recovery on timer expiry") of the RELEASE message sent by the network on expiry of T305	SCu 120.1 NOT SCu 120.1	O N/A	5.3.4bis	[ ]Yes [ ]No [ ]N/A
SCu 121	placing a B-channel in the maintenance condition after T308 expires for the second time	R 7.1 R 7.2	O N/A	5.3.4bis	[ ]Yes [ ]No [ ]N/A
SCu 122.1	connection to the B-channel to receive the in-band tone/announcement	MCu 4.1 NOT MCu 4.1	O.8 N/A	5.3.4.1	[ ]Yes [ ]No [ ]N/A
SCu 122.2	continuation of clearing without connecting to the in-band tone/announcement	MCu 4.1 NOT MCu 4.1	O.8 M	5.3.4.1	[ ]Yes [ ]No
	Restart				
SCu 125.1	initiation of restart procedure on "indicated channel"	MCu 5.2 NOT MCu 5.2	O.9 N/A	5.5.1	[ ]Yes [ ]No [ ]N/A
SCu 125.2	initiation of restart procedure on "single interface" (or "all interfaces")	MCu 5.2 NOT MCu 5.2	O.9 N/A	5.5.1	[ ]Yes [ ]No [ ]N/A
	Handling of error conditions				
SCu 130.1	discarding an "inappropriate" message received in a DL-UNIT DATA-INDICATION primitive (note)		O.10	5.8	[ ]Yes [ ]No
SCu 130.2	processing of an "inappropriate" message received in a DL-UNIT DATA-INDICATION primitive as if it had been received in a DL-DATA-INDICATION primitive (note)		O.10	5.8	[ ]Yes [ ]No
SCu 131.1	call clearing with a RELEASE message, on receiving any message other than SETUP, RELEASE, RELEASE COMPLETE, STATUS, STATUS ENQUIRY, or RESUME with an unrecognisable Call reference value.		O.11	5.8.3.2.a)	[ ]Yes [ ]No
SCu 131.2	call clearing with a RELEASE COMPLETE message, on receiving any message other than SETUP, RELEASE, RELEASE COMPLETE, STATUS, STATUS ENQUIRY, or RESUME with an unrecognisable Call reference value.		O.11	5.8.3.2.a)	[ ]Yes [ ]No
SCu 19	on occurrence of a message type or message sequence error, transmission of a STATUS message		O.12	5.8.4	[ ]Yes [ ]No
SCu 20	on occurrence of a message type or message sequence error, initiation of the status enquiry procedure		O.12	5.8.4, 5.8.10	[ ]Yes [ ]No
SCu 23	processing of out of sequence information elements		O.13	5.8.5.1	[ ]Yes [ ]No
SCu 24	ignoring out of sequence information elements		O.13	5.8.5.1	[ ]Yes [ ]No
SCu 32	on occurrence of unrecognized information element error with information element not encoded to indicate "comprehension required, transmission of a STATUS message		O	5.8.7.1	[ ]Yes [ ]No
SCu 132	Cause #99 "Information element non-existent or not implemented" with diagnostic(s)		O	5.8.7.1	[ ]Yes [ ]No
SCu 37	on occurrence of non-mandatory information element content error, transmission of a STATUS message		O	5.8.7.2	[ ]Yes [ ]No
SCu 37.1	acceptance of unrecognized Cause information element contents		O	5.8.6.2 5.8.7.2	[ ]Yes [ ]No
	Data link failure				
SCu 45.1	transmission of a STATUS message		O.14	5.8.9 b)	[ ]Yes [ ]No
SCu 45.2	initiation of the status enquiry procedure		O.14	5.8.9 b)	[ ]Yes [ ]No
	Status enquiry procedure				
SCu 47	retransmission of STATUS ENQUIRY message one or more times, up to an implementation dependent limit	MCu 7.2 NOT MCu 7.2	O N/A	5.8.10	[ ]Yes [ ]No [ ]N/A
	Receiving a STATUS message				
SCu 160.1	clearing the call on a call state mismatch		O.15	5.8.11	[ ]Yes [ ]No
SCu 160.2	attempt to recover from a call state mismatch by implementation dependent means		O.15	5.8.11	[ ]Yes [ ]No

(continued)

Table A.4 (concluded): Subsidiary capabilities of the user role

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	Multirate procedures				
SCu 170.1	contiguous channel assignment	MCu 17 NOT MCu 17	O.16 N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCu 170.2	non-contiguous channel assignment	MCu 17 NOT MCu 17	O.16 N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCu 171.1	384 kbit/s rate occupying specified contiguous time slots	MCu 17 AND R 6.2 NOT MCu 17 OR NOT R 6.2	O N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCu 171.2	1 536 kbit/s rate occupying specified contiguous time slots	MCu 17 AND R 6.2 NOT MCu 17 OR NOT R 6.2	O N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCu 172.1	selection of any other available B-channels associated with the D-channel and on the same access	MCu 17 NOT MCu 17	M N/A	8.1.2, 8.2.2.1	[ ]Yes [ ]No [ ]N/A
SCu 172.2	selection of all the B-channels on another interface controlled by the D-channel	MCu 17 NOT MCu 17	X N/A	8.1.2, 8.2.2.1	[ ]Yes [ ]No [ ]N/A
SCu 173	interworking between circuit-mode multirate bearer capability and other bearer capabilities	MCu 17 NOT MCu 17	X N/A	8.1.3, 8.2.3	[ ]Yes [ ]No [ ]N/A
O.7	Support of at least one of these options is required.				
O.8	Support of at least one of these options is required.				
O.9	Support of at least one of these options is required.				
O.10	Support of one, and only one, of these options is required.				
O.11	Support of at least one of these options is required.				
O.12	Support of at least one of these options is required.				
O.13	Support of at least one of these options is required.				
O.14	Support of at least one of these options is required.				
O.15	Support of at least one of these options is required.				
O.16	Support of at least one of these options is required.				
NOTE:	"Inappropriate" messages are those that are neither a SETUP message, nor a message specified to use the data link unacknowledged information transfer service in support of another implemented application.				
Comments:					

A.6.4   Protocol data units

The tables in this subclause ask questions related to the supported Protocol Data Units (PDUs) in the user role. In the DSS1 protocol, PDUs are known by the term "messages".

A.6.4.1   Messages received by the user

Indicating support for an item in table A.5 states that the implementation has the ability to recognize the message listed in that item. Support for the receipt of a particular type of PDU means support for recognizing and acting upon all valid instances of that PDU type, including all valid PDU parameters, to the extent required by EN 300 403-1 [1].

Table A.5: Messages received by the user

Item	Message: Does the implementation support the receipt of...	Conditions for status	Status	Reference	Support
MRu 1	ALERTING	MCu 1 NOT MCu 1	M N/A	3.1.1, 5.1.7	[ ]Yes [ ]No [ ]N/A
MRu 2	CALL PROCEEDING	MCu 1 NOT MCu 1	M N/A	3.1.2, 5.1.5	[ ]Yes [ ]No [ ]N/A
MRu 4	CONNECT	MCu 1 NOT MCu 1	M N/A	3.1.3, 5.1.8	[ ]Yes [ ]No [ ]N/A
MRu 5	CONNECT ACKNOWLEDGE	MCu 2 NOT MCu 2	M N/A	3.1.4, 5.2.8	[ ]Yes [ ]No [ ]N/A
MRu 6	DISCONNECT		M	3.1.5, 5.3.4	[ ]Yes [ ]No
MRu 8	INFORMATION	MCu 2.2 NOT MCu 2.2	M O	3.1.6, 5.2.4	[ ]Yes [ ]No
MRu 9	NOTIFY		M	3.1.7, 5.6.2, 5.6.4, 5.6.7, 5.9	[ ]Yes [ ]No
MRu 10	PROGRESS		M	3.1.8, 5.1.6, 5.4	[ ]Yes [ ]No
MRu 11	RELEASE		M	3.1.9, 5.3	[ ]Yes [ ]No
MRu 12	RELEASE COMPLETE		M	3.1.10, 5.3	[ ]Yes [ ]No
MRu 13	RESTART	MCu 5.1 NOT MCu 5.1	M N/A	3.4.1, 5.5.2	[ ]Yes [ ]No [ ]N/A
MRu 14	RESTART ACKNOWLEDGE	MCu 5.2 NOT MCu 5.2	M N/A	3.4.2, 5.5.1	[ ]Yes [ ]No [ ]N/A
MRu 15	RESUME		N/A		N/A
MRu 16	RESUME ACKNOWLEDGE	MCu 6 NOT MCu 6	M N/A	3.1.12, 5.6.4	[ ]Yes [ ]No [ ]N/A
MRu 17	RESUME REJECT	MCu 6 NOT MCu 6	M N/A	3.1.13, 5.6.5	[ ]Yes [ ]No [ ]N/A
MRu 18	SEGMENT	MCu 13 NOT MCu 13	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
MRu 19	SETUP	MCu 2 NOT MCu 2	M N/A	3.1.14, 5.2.1	[ ]Yes [ ]No [ ]N/A
MRu 20	SETUP ACKNOWLEDGE	MCu 1.2 NOT MCu 1.2	M N/A	3.1.15, 5.1.3	[ ]Yes [ ]No [ ]N/A
MRu 21	STATUS		M	3.1.16, 3.4.3, 5.8.11	[ ]Yes [ ]No
MRu 22	STATUS ENQUIRY		M	3.1.17, 5.8.10	[ ]Yes [ ]No
MRu 23	SUSPEND		N/A		N/A
MRu 24	SUSPEND ACKNOWLEDGE	MCu 6 NOT MCu 6	M N/A	3.1.19, 5.6.2	[ ]Yes [ ]No [ ]N/A
MRu 25	SUSPEND REJECT	MCu 6 NOT MCu 6	M N/A	3.1.20, 5.6.3	[ ]Yes [ ]No [ ]N/A
Comments:					

A.6.4.2   Messages transmitted by the user

Indicating support for an item in table A.6 states that the implementation has the ability to transmit the message listed in that item.

Table A.6: Messages transmitted by the user

Item	Message: Does the implementation support the transmission of...	Conditions for status	Status	Reference	Support
MTu 1	ALERTING	MCu 2 NOT MCu 2	O N/A	3.1.1, 5.2.5.2	[ ]Yes [ ]No [ ]N/A
MTu 2	CALL PROCEEDING	MCu 2 NOT MCu 2	O N/A	3.1.2, 5.2.5.2	[ ]Yes [ ]No [ ]N/A
MTu 4	CONNECT	MCu 2 NOT MCu 2	M N/A	3.1.3, 5.2.7	[ ]Yes [ ]No [ ]N/A
MTu 5	CONNECT ACKNOWLEDGE	MCu 1 NOT MCu 1	O N/A	3.1.4, 5.1.8	[ ]Yes [ ]No [ ]N/A
MTu 6	DISCONNECT		M	3.1.5, 5.3.3	[ ]Yes [ ]No
MTu 8	INFORMATION	MCu 1.2 NOT MCu 1.2	M O	3.1.6, 5.1.3	[ ]Yes [ ]No
MTu 9	NOTIFY	MCu 20 NOT MCu 20	M N/A	3.1.7, 5.9	[ ]Yes [ ]No [ ]N/A
MTu 10.1	PROGRESS, indicating that fallback to an alternative bearer capability occurs	MCu 21.2 AND R 3.2 MCu 21.2 AND NOT R 3.2 NOT MCu 21.2	O.17 X N/A	3.1.8, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MTu 10.2	PROGRESS, indicating that fallback to an alternative high layer capability occurs	MCu 22.2 AND R 3.2 MCu 22.2 AND NOT R 3.2 NOT MCu 22.2	O.18 X N/A	3.1.8, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
MTu 10.3	PROGRESS, indicating that in-band information is available	TIu 3 NOT TIu 3	M N/A	3.1.8, 5.2.6, annex K	[ ]Yes [ ]No [ ]N/A
MTu 10.4	PROGRESS, indicating interworking	MCu 2.6 NOT MCu 2.6	M N/A	3.1.8, 5.2.6	[ ]Yes [ ]No [ ]N/A
MTu 11	RELEASE		M	3.1.9, 5.3	[ ]Yes [ ]No
MTu 12	RELEASE COMPLETE		M	3.1.10, 5.3	[ ]Yes [ ]No
MTu 13	RESTART	MCu 5.2 NOT MCu 5.2	M N/A	3.4.1, 5.5.1	[ ]Yes [ ]No [ ]N/A
MTu 14	RESTART ACKNOWLEDGE	MCu 5.1 NOT MCu 5.1	M N/A	3.4.2, 5.5.2	[ ]Yes [ ]No [ ]N/A
MTu 15	RESUME	MCu 6 NOT MCu 6	M N/A	3.1.11, 5.6.4	[ ]Yes [ ]No [ ]N/A
MTu 16	RESUME ACKNOWLEDGE		N/A		N/A
MTu 17	RESUME REJECT		N/A		N/A
MTu 18	SEGMENT	MCu 13 NOT MCu 13	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
MTu 19	SETUP	MCu 1 NOT MCu 1	M N/A	3.1.14, 5.1.1	[ ]Yes [ ]No [ ]N/A
MTu 20	SETUP ACKNOWLEDGE	MCu 2.2 NOT MCu 2.2	M O	3.1.15, 5.2.4	[ ]Yes [ ]No
MTu 21	STATUS		M	3.1.16, 3.4.3, 5.8.11	[ ]Yes [ ]No
MTu 22	STATUS ENQUIRY	MCu 7.2 NOT MCu 7.2	M N/A	3.1.17, 5.8.10	[ ]Yes [ ]No [ ]N/A
MTu 23	SUSPEND	MCu 6 NOT MCu 6	M N/A	3.1.18, 5.6.1	[ ]Yes [ ]No [ ]N/A
MTu 24	SUSPEND ACKNOWLEDGE		N/A		N/A
MTu 25	SUSPEND REJECT		N/A		N/A
O.17 Support of at least one of these options is required (see tables A.32, A.33, and A.34 for other options in this set). O.18 Support of at least one of these options is required (see tables A.32, A.33, and A.34 for other options in this set).					
Comments:					

A.6.5   PDU parameters

The tables in this subclause ask questions related to the support of PDU parameters in messages received and transmitted by the IUT in the user role. In DSS1, protocol PDU parameters are known by the term "information elements".

Subclause A.6.5.1 contains tables relating to messages received by the IUT in the user role. Subclause A.6.5.2 contains tables relating to messages transmitted by the IUT in the user role.

Tables A.7 and A.8 deal with four information elements that appear in all messages that are either received or transmitted (respectively) by the IUT in the user role.

Table A.7: Information elements in all messages received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu-IE29	Protocol discriminator		M	3.1, 4.2	[ ]Yes [ ]No
MRu-IE30	Call reference		M	3.1, 4.3	[ ]Yes [ ]No
MRu-IE31	Message type		M	3.1, 4.4	[ ]Yes [ ]No
MRu-IE25	Shift		M	3.1, 4.5.2, 4.5.3, 4.5.4	[ ]Yes [ ]No
Comments:					

Table A.8: Information elements in all messages transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu-IE29	Protocol discriminator		M	3.1, 4.2	[ ]Yes [ ]No
MTu-IE30	Call reference		M	3.1, 4.3	[ ]Yes [ ]No
MTu-IE31	Message type		M	3.1, 4.4	[ ]Yes [ ]No
MTu-IE25	Shift		O	3.1, 4.5.2, 4.5.3, 4.5.4	[ ]Yes [ ]No
Comments:					

Table A.9 covers those information elements defined by ITU-T Recommendation Q.931, the use of which is not permitted by EN 300 403-1 [1].

Table A.9: Information elements not permitted by EN 300 403-1 [1]

Item	Information element	Conditions for status	Status	Reference	Support
Mn-IE21	Repeat indicator		X	3.3, 4.5.24	[ ]Yes [ ]No
Mn-IE26	Signal		X	4.5.28	[ ]Yes [ ]No
Comments:					

Table A.10 covers those information elements defined by ITU-T Recommendation Q.931, the use of which is outside the scope of EN 300 403-1 [1].

Table A.10: Information elements outside the scope of EN 300 403-1 [1]

Item	Information element	Conditions for status	Status	Reference	Support
Mn-IE17	More data		I	3.3, 4.5.20	[ ]Yes [ ]No
Mn-IE10	Congestion level		I	3.3, 4.5.14	[ ]Yes [ ]No
Mn-IE32	Information rate		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE33	End-to-end transit delay		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE34	Transit delay selection and indication		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE35	Packet layer binary parameters		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE36	Packet layer window size		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE37	Packet size		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE38	Closed user group		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE39	Reverse charge indication		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE40	Redirecting number		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE28	User-user		I	3.3, 4.5.30	[ ]Yes [ ]No
Comments:					

A.6.5.1   Information elements in messages received by the user

Indicating support for an item in the tables in this subclause states that the implementation has the ability to process the information elements listed in the specified received messages. Such support does not necessarily mean that the indicated information element is included in every instance of the received message.

Table A.11: Information elements in ALERTING received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu1-IE1	Bearer capability	MRu 1 AND MCu 21.1	M	3.1.1, 5.11.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 1 OR NOT MCu 21.1	N/A		
MRu1-IE9	Channel identification		N/A	3.1.1, 5.1.2	N/A
MRu1-IE20	Progress indicator	MRu 1	M	3.1.1, 5.1.6, 5.11.1, 5.12.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 1	N/A		
MRu1-IE12	Display (T) (note)	MRu 1	O	3.1.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 1	N/A		
MRu1-IE14	High layer compatibility	MRu 1 AND MCu 22.1	M	3.1.1, 5.12.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 1 OR NOT MCu 22.1	N/A		
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.12: Information elements in CALL PROCEEDING received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu2-IE1	Bearer capability	MRu 2 AND MCu 21.1	M	3.1.2, 5.11.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 2 OR NOT MCu 21.1	N/A		
MRu2-IE9	Channel identification	MRu 2	M	3.1.2, 5.1.2	[ ]Yes [ ]No [ ]N/A
		NOT MRu 2	N/A		
MRu2-IE20	Progress indicator	MRu 2	M	3.1.2, 5.1.6, 5.11.1, 5.12.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 2	N/A		
MRu2-IE12	Display (T) (note)	MRu 2	O	3.1.2	[ ]Yes [ ]No [ ]N/A
		NOT MRu 2	N/A		
MRu2-IE14	High layer compatibility	MRu 2 AND MCu 22.1	M	3.1.2, 5.12.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 2 OR NOT MCu 22.1	N/A		
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.13: Information elements in CONNECT received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu4-IE1	Bearer capability	MRu 4 AND MCu 21.1	M	3.1.3, 5.11.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 4 OR NOT MCu 21.1	N/A		
MRu4-IE9	Channel identification		N/A	3.1.3, 5.1.2	N/A
MRu4-IE20	Progress indicator	MRu 4	M	3.1.3, 5.1.6, 5.11.1, 5.12.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 4	N/A		
MRu4-IE12	Display (T) (note)	MRu 4	O	3.1.3	[ ]Yes [ ]No [ ]N/A
		NOT MRu 4	N/A		
MRu4-IE11	Date/time (T)		I	3.1.3	[ ]Yes [ ]No
MRu4-IE16	Low layer compatibility	MRu 4 AND MCu10.1	M	3.1.3, annex J	[ ]Yes [ ]No [ ]N/A
		NOT MRu 4 OR NOT MCu 10.1	N/A		
MRu4-IE14	High layer compatibility	MRu 4 AND MCu 22.1	M	3.1.3, 5.12.1	[ ]Yes [ ]No [ ]N/A
		NOT MRu 4 OR NOT MCu 22.1	N/A		
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.14: Information elements in CONNECT ACKNOWLEDGE received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu5-IE12	Display (T) (note)	MRu 5 NOT MRu 5	O N/A	3.1.4	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.15: Information elements in DISCONNECT received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu6-IE8	Cause (T)		I	3.1.5, 5.3.4	[ ]Yes [ ]No
MRu6-IE20	Progress indicator	MCu 4.1 NOT MCu 4.1	M O	3.1.5, 5.3.4.1	[ ]Yes [ ]No
MRu6-IE12	Display (T) (note)		O	3.1.5	[ ]Yes [ ]No
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.16: Information elements in INFORMATION received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu8-IE24	Sending complete	MRu 8 AND MCu 2.2 NOT MRu 8 OR NOT MCu 2.2	M N/A	3.1.6, 5.2.4	[ ]Yes [ ]No [ ]N/A
MRu8-IE8	Cause (T)		I	3.1.6	[ ]Yes [ ]No
MRu8-IE12	Display (T) (note 1)	MRu 8 NOT MRu 8	O N/A	3.1.6	[ ]Yes [ ]No [ ]N/A
MRu8-IE15	Keypad facility (T) (note 2)	MRu 8 NOT MRu 8	O N/A	3.1.6	[ ]Yes [ ]No [ ]N/A
MRu8-IE4	Called party number	MRu 8 AND MCu 2.2 NOT MRu 8 OR NOT MCu 2.2	M N/A	3.1.6, 5.2.4	[ ]Yes [ ]No [ ]N/A
NOTE 1:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
NOTE 2:	The support of this parameter implies the use of the information supplied in connection with one or more supplementary services.				
Comments:					

Table A.17: Information elements in NOTIFY received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu9-IE19	Notification indicator		M	3.1.7, 5.6.2, 5.6.4, 5.9	[ ]Yes [ ]No
MRu9-IE12	Display (T) (note)		O	3.1.7	[ ]Yes [ ]No
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.18: Information elements in PROGRESS received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu10-IE1	Bearer capability	MCu 21.1 NOT MCu 21.1	M N/A	3.1.8, 5.11.1	[ ]Yes [ ]No [ ]N/A
MRu10-IE8	Cause (T)		I	3.1.8	[ ]Yes [ ]No
MRu10-IE20	Progress indicator		M	3.1.8, 5.1.6, 5.2.6, 5.11.1, 5.12.1	[ ]Yes [ ]No
MRu10-IE12	Display (T) (note)		O	3.1.8	[ ]Yes [ ]No
MRu10-IE14	High layer compatibility	MCu 22.1 NOT MCu 22.1	M N/A	3.1.8, 5.12.1	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.19: Information elements in RELEASE received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu11-IE8	Cause (T)		I	3.1.9, 5.3	[ ]Yes [ ]No
MRu11-IE12	Display (T) (note)		O	3.1.9	[ ]Yes [ ]No
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.20: Information elements in RELEASE COMPLETE received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu12-IE8	Cause (T)		I	3.1.10, 5.3	[ ]Yes [ ]No
MRu12-IE12	Display (T) (note)		O	3.1.10	[ ]Yes [ ]No
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.21: Information elements in RESTART received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu13-IE9	Channel identification	MRu 13 NOT MRu 13	M N/A	3.4.1, 5.5.2	[ ]Yes [ ]No [ ]N/A
MRu13-IE12	Display (T) (note)	MRu 13 NOT MRu 13	O N/A	3.4.1	[ ]Yes [ ]No [ ]N/A
MRu13-IE22	Restart indicator	MRu 13 NOT MRu 13	M N/A	3.4.1, 5.5.2	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.22: Information elements in RESTART ACKNOWLEDGE received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu14-IE9	Channel identification	MRu 14 NOT MRu 14	M N/A	3.4.2, 5.5.1	[ ]Yes [ ]No [ ]N/A
MRu14-IE12	Display (T) (note)	MRu 14 NOT MRu 14	O N/A	3.4.2	[ ]Yes [ ]No [ ]N/A
MRu14-IE22	Restart indicator	MRu 14 NOT MRu 14	M N/A	3.4.2, 5.5.1	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.23: Information elements in RESUME ACKNOWLEDGE received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu16-IE9	Channel identification	MRu 16 NOT MRu 16	M N/A	3.1.12, 5.6.4	[ ]Yes [ ]No [ ]N/A
MRu16-IE12	Display (T) (note)	MRu 16 NOT MRu 16	O N/A	3.1.12	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.24: Information elements in RESUME REJECT received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu17-IE8	Cause (T)		I	3.1.13, 5.6.5	[ ]Yes [ ]No
MRu17-IE12	Display (T) (note)	MRu 17 NOT MRu 17	O N/A	3.1.13	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.25: Information elements in SEGMENT received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu18-IE23	Segmented message	MRu 18 NOT MRu 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
MRu18-IEx	"Segment"	MRu 18 NOT MRu 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.26: Information elements in SETUP received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu19-IE24	Sending complete	MRu 19 AND MCu 2.2 MRu 19 AND NOT MCu 2.2 NOT MRu 19	M O N/A	3.1.14, 5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
MRu19-IE1	Bearer capability	MRu 19 NOT MRu 19	M N/A	3.1.14, 5.2.1, 5.11.2, annex B	[ ]Yes [ ]No [ ]N/A
MRu19-IE9	Channel identification	MRu 19 NOT MRu 19	M N/A	3.1.14, 5.3.2	[ ]Yes [ ]No [ ]N/A
MRu19-IE20	Progress indicator	MRu 19 NOT MRu 19	M N/A	3.1.14, 5.2.6	[ ]Yes [ ]No [ ]N/A
MRu19-IE18	Network specific facilities (T)		I	3.1.14, annex E	[ ]Yes [ ]No
MRu19-IE12	Display (T) (note 1)	MRu 19 NOT MRu 19	O N/A	3.1.14, 5.2.1	[ ]Yes [ ]No [ ]N/A
MRu19-IE15	Keypad facility (T) (note 2)	MRu 19 NOT MRu 19	O N/A	3.1.14	[ ]Yes [ ]No [ ]N/A
MRu19-IE6	Calling party number	MRu 19 NOT MRu 19	O N/A	3.1.14	[ ]Yes [ ]No [ ]N/A
MRu19-IE7	Calling party subaddress	MRu 19 NOT MRu 19	O N/A	3.1.14	[ ]Yes [ ]No [ ]N/A
MRu19-IE4	Called party number	MRu 19 NOT MRu 19	O N/A	3.1.14, 5.2.1, 5.2.2, 5.2.3, 5.2.4, annex B	[ ]Yes [ ]No [ ]N/A
MRu19-IE5	Called party subaddress	MRu 19 NOT MRu 19	O N/A	3.1.14, annex B	[ ]Yes [ ]No [ ]N/A
MRu19-IE27	Transit network selection		N/A	3.1.14	
MRu19-IE16	Low layer compatibility	MRu 19 AND (MCu 10.2 OR SCu 6) NOT MRu 19 OR (NOT MCu 10.2 AND NOT SCu 6)	M N/A	3.1.14, 5.2.1, annex I, annex J, annex B	[ ]Yes [ ]No [ ]N/A
MRu19-IE14	High layer compatibility	MRu 19 AND (MCu 22.2 OR SCu 8) NOT MRu 19 OR (NOT MCu 22.2 AND NOT SCu 8)	M N/A	3.1.14, 5.2.1, 5.12.2, annex B	[ ]Yes [ ]No [ ]N/A
MRu19-IE11	Date/time (T)		I	3.1.14	[ ]Yes [ ]No
NOTE 1:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
NOTE 2:	The support of this parameter implies the use of the information supplied in connection with one or more supplementary services.				
Comments:					

Table A.27: Information elements in SETUP ACKNOWLEDGE received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu20-IE9	Channel identification	MRu 20 NOT MRu 20	M N/A	3.1.15, 5.1.2	[ ]Yes [ ]No [ ]N/A
MRu20-IE20	Progress indicator	MRu 20 NOT MRu 20	M N/A	3.1.15, 5.1.6, 5.11.1, 5.12.1, annex K	[ ]Yes [ ]No [ ]N/A
MRu20-IE12	Display (T) (note)	MRu 20 NOT MRu 20	O N/A	3.1.15	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.28: Information elements in STATUS received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu21-IE8	Cause (T) (note 1)	MCu 7.2 NOT MCu 7.2	M O	3.1.16, 3.4.3, 5.8.11	[ ]Yes [ ]No
MRu21-IE3	Call state		M	3.1.16, 3.4.3, 5.8.11	[ ]Yes [ ]No
MRu21-IE12	Display (T) (note 2)		O	3.1.16	[ ]Yes [ ]No
NOTE 1:	The receipt of this PDU parameter is only transparent when the IUT does not support the status enquiry procedure (subclause 5.8.10).				
NOTE 2:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.29: Information elements in STATUS ENQUIRY received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu22-IE12	Display (T) (note)		O	3.1.17, 5.8.10	[ ]Yes [ ]No
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.30: Information elements in SUSPEND ACKNOWLEDGE received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu24-IE12	Display (T) (note)	MRu 24 NOT MRu 24	O N/A	3.1.19, 5.6.2	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].				
Comments:					

Table A.31: Information elements in SUSPEND REJECT received by the user

Item	Information element	Conditions for status	Status	Reference	Support
MRu25-IE8	Cause (T)		I	3.1.20, 5.6.3	[ ]Yes [ ]No
MRu25-IE12	Display (T) (note)	MRu 25 NOT MRu 25	O N/A	3.1.20	[ ]Yes [ ]No [ ]N/A
NOTE: The support of this parameter implies the ability to display the information supplied. If not supported, its handling is beyond the scope of EN 300 403-1 [1].					
Comments:					

A.6.5.2 Information elements in messages transmitted by the user

Indicating support for an item in the tables in this subclause states that the implementation has the ability to generate, and to transmit in the specified message, the information elements listed. Such support does not necessarily mean that the indicated information element is included in every instance of the transmitted message.

Table A.32: Information elements in ALERTING transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu1-IE1	Bearer capability	MTu 1 AND MCu 21.2 AND R 3.2 MTu 1 AND MCu 21.2 AND NOT R 3.2 NOT MTu 1 OR NOT MCu 21.2	O.17 X N/A	3.1.1, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MTu1-IE9	Channel identification	MTu 1 AND MCu 2.4 MTu 1 AND NOT MCu 2.4 NOT MTu 1	M O N/A	3.1.1, 5.2.3	[ ]Yes [ ]No [ ]N/A
MTu1-IE20.1	Progress indicator, indicating that fallback to an alternative bearer capability occurs	MTu1-IE1 NOT MTu1-IE1	M N/A	3.1.1, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MTu1-IE20.2	Progress indicator, indicating that fallback to an alternative high layer compatibility occurs	MTu1-IE14 NOT MTu1-IE14	M N/A	3.1.1, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
MTu1-IE20.3	Progress indicator, indicating that in-band information is available	MTu 1 AND TIu 3 NOT MTu 1 OR NOT TIu 3	M N/A	3.1.1, 5.2.6, annex K	[ ]Yes [ ]No [ ]N/A
MTu1-IE20.4	Progress indicator, indicating interworking	MTu 1 AND MCu 2.6 NOT MTu 1 OR NOT MCu 2.6	M N/A	3.1.1, 5.2.6	[ ]Yes [ ]No [ ]N/A
MTu1-IE12	Display	MTu 1 NOT MTu 1	X N/A	3.1.1	[ ]Yes [ ]No [ ]N/A
MTu1-IE14	High layer compatibility	MTu 1 AND MCu 22.2 AND R 3.2 MTu 1 AND MCu 22.2 AND NOT R 3.2 NOT MTu 1 OR NOT MCu 22.2	O.18 X N/A	3.1.1, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
O.17 Support of at least one of these options is required (see tables A.6, A.33, and A.34 for other options in this set). O.18 Support of at least one of these options is required (see tables A.6, A.33, and A.34 for other options in this set).					
Comments:					

Table A.33: Information elements in CALL PROCEEDING transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu2-IE1	Bearer capability	MTu 2 AND MCu 21.2 AND R 3.2	O.17	3.1.2, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
		MTu 2 AND MCu 21.2 AND NOT R 3.2	X		
		NOT MTu 2 OR NOT MCu 21.2	N/A		
MTu2-IE9	Channel identification	MTu 2 AND MCu 2.4	M	3.1.2, 5.2.3	[ ]Yes [ ]No [ ]N/A
		MTu 2 AND NOT MCu 2.4	O		
		NOT MTu 2	N/A		
MTu2-IE20.1	Progress indicator, indicating that fallback to an alternative bearer capability occurs	MTu2-IE1	M	3.1.2, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu2-IE1	N/A		
MTu2-IE20.2	Progress indicator, indicating that fallback to an alternative high layer compatibility occurs	MTu2-IE14	M	3.1.2, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu2-IE14	N/A		
MTu2-IE20.3	Progress indicator, indicating that in-band information is available	MTu 2 AND TIu 3	M	3.1.2, 5.2.6, annex K	[ ]Yes [ ]No [ ]N/A
		NOT MTu 2 OR NOT TIu 3	N/A		
MTu2-IE20.4	Progress indicator, indicating interworking	MTu 2 AND MCu 2.6	M	3.1.2, 5.2.6	[ ]Yes [ ]No [ ]N/A
		NOT MTu 2 OR NOT MCu 2.6	N/A		
MTu2-IE12	Display	MTu 2	X	3.1.2	[ ]Yes [ ]No [ ]N/A
		NOT MTu 2	N/A		
MTu2-IE14	High layer compatibility	MTu 2 AND MCu 22.2 AND R 3.2	O.18	3.1.2, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
		MTu 2 AND MCu 22.2 AND NOT R 3.2	X		
		NOT MTu 2 OR NOT MCu 22.2	N/A		
O.17 Support of at least one of these options is required (see tables A.6, A.32, and A.34 for other options in this set).					
O.18 Support of at least one of these options is required (see tables A.6, A.32, and A.34 for other options in this set).					
Comments:					

Table A.34: Information elements in CONNECT transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu4-IE1.1	Bearer capability, selected by the terminal	MTu 4 AND MCu 21.2	M	3.1.3, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4 OR NOT MCu 21.2	N/A		
MTu4-IE1.2	Bearer capability, indicating that fallback occurs within the private ISDN	MTu 4 AND MCu 21.2 AND R 3.2	O.17	3.1.3, 5.11.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4 OR NOT MCu 21.2 OR NOT R 3.2	N/A		
MTu4-IE9	Channel identification	MTu 4 AND MCu 2.4	M	3.1.3, 5.2.3	[ ]Yes [ ]No [ ]N/A
		MTu 4 AND NOT MCu 2.4	O		
		NOT MTu 4	N/A		
MTu4-IE20.1	Progress indicator, indicating that fallback to an alternative bearer capability occurs within the private ISDN	MTu4-IE1.2	M	3.1.3, 5.11.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu4-IE1.2	N/A		
MTu4-IE20.2	Progress indicator, indicating that fallback to an alternative high layer compatibility occurs within the private ISDN	MTu4-IE14.2	M	3.1.3, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu4-IE14.2	N/A		
MTu4-IE20.3	Progress indicator, indicating that in-band information is available	MTu 4 AND TIu 3	M	3.1.3, 5.2.6, annex K	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4 OR NOT TIu 3	N/A		
MTu4-IE20.4	Progress indicator, indicating interworking	MTu 4 AND MCu 2.6	M	3.1.3, 5.2.6	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4 OR NOT MCu 2.6	N/A		
MTu4-IE12	Display	MTu 4	X	3.1.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4	N/A		
MTu4-IE12	Date/time	MTu 4	X	3.1.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4	N/A		
MTu4-IE12	Low layer compatibility	MTu 4 AND MCu 10.2	M	3.1.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4 OR NOT MCu 10.2	N/A		
MTu4-IE14.1	High layer compatibility, selected by the terminal	MTu 4 AND MCu 22.2	M	3.1.3, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4 OR NOT MCu 22.2	N/A		
MTu4-IE14.2	High layer compatibility, indicating that fallback occurs within the private ISDN	MTu 4 AND MCu 22.2 AND R 3.2	O.18	3.1.3, 5.11.3	[ ]Yes [ ]No [ ]N/A
		NOT MTu 4 OR NOT MCu 22.2 OR NOT R 3.2	N/A		
O.17	Support of at least one of these options is required (see tables A.6, A.32, and A.33 for other options in this set).				
O.18	Support of at least one of these options is required (see tables A.6, A.32, and A.33 for other options in this set).				
Comments:					

Table A.35: Information elements in CONNECT ACKNOWLEDGE transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu5-IE12	Display	MTu 5	X	3.1.4	[ ]Yes [ ]No [ ]N/A
		NOT MTu 5	N/A		
Comments:					

Table A.36: Information elements in DISCONNECT transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu6-IE8	Cause		M	3.1.5, 5.3.3	[ ]Yes [ ]No
MTu6-IE20	Progress indicator		X	3.1.5	[ ]Yes [ ]No
MTu6-IE12	Display		X	3.1.5	[ ]Yes [ ]No
Comments:					

Table A.37: Information elements in INFORMATION transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu8-IE24	Sending complete	MTu 8 AND MCu 1.2 NOT MTu 8 OR NOT MCu 1.2	O N/A	3.1.6, 5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
MTu8-IE8	Cause	MTu 8 NOT MTu 8	X N/A	3.1.6	[ ]Yes [ ]No [ ]N/A
MTu8-IE12	Display	MTu 8 NOT MTu 8	X N/A	3.1.6	[ ]Yes [ ]No [ ]N/A
MTu8-IE15	Keypad facility	MTu 8 NOT MTu 8	O N/A	3.1.6, 5, 5.1.3	[ ]Yes [ ]No [ ]N/A
MTu8-IE4	Called party number	MTu 8 AND MCu 1.2 NOT MTu 8 OR NOT MCu 1.2	M N/A	3.1.6, 5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.38: Information elements in NOTIFY transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu9-IE19	Notification indicator	MTu 9 NOT MTu 9	M N/A	3.1.7, 5.9	[ ]Yes [ ]No [ ]N/A
MTu9-IE12	Display	MTu 9 NOT MTu 9	X N/A	3.1.7	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.39: Information elements in PROGRESS transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu10-IE1	Bearer capability	MTu 10.1 NOT MTu 10.1	M N/A	3.1.8, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MTu10-IE8	Cause	MTu 10.1 OR MTu 10.2 OR MTu 10.3 OR MTu 10.4 NOT MTu 10.1 AND NOT MTu 10.2 AND NOT MTu 10.3 AND NOT MTu 10.4	O N/A	3.1.8	[ ]Yes [ ]No [ ]N/A
MTu10-IE20.1	Progress indicator, indicating that fallback to an alternative bearer capability occurs	MTu10-IE1 NOT MTu1-IE1	M N/A	3.1.1, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MTu10-IE20.2	Progress indicator, indicating that fallback to an alternative high layer compatibility occurs	MTu10-IE14 NOT MTu1-IE14	M N/A	3.1.1, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
MTu10-IE20.3	Progress indicator, indicating that in-band information is available	MTu 10.3 NOT MTu 10.3	M N/A	3.1.1, 5.2.6, annex K	[ ]Yes [ ]No [ ]N/A
MTu10-IE20.4	Progress indicator, indicating interworking	MTu 10.4 NOT MTu 10.4	M N/A	3.1.1, 5.2.6	[ ]Yes [ ]No [ ]N/A
MTu10-IE12	Display	MTu 10.1 OR MTu 10.2 OR MTu 10.3 OR MTu 10.4 NOT MTu 10.1 AND NOT MTu 10.2 AND NOT MTu 10.3 AND NOT MTu 10.4	X N/A	3.1.8	[ ]Yes [ ]No [ ]N/A
MTu10-IE14	High layer compatibility	MTu 10.2 NOT MTu 10.2	M N/A	3.1.8, 5.12.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.40: Information elements in RELEASE transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu11-IE8	Cause		M	3.1.9, 5.3, 5.8	[ ]Yes [ ]No
MTu11-IE12	Display		X	3.1.9	[ ]Yes [ ]No
Comments:					

Table A.41: Information elements in RELEASE COMPLETE transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu12-IE8	Cause		M	3.1.10, 5.3, 5.8	[ ]Yes [ ]No
MTu12-IE12	Display		X	3.1.10	[ ]Yes [ ]No
Comments:					

Table A.42: Information elements in RESTART transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu13-IE9	Channel identification	MTu 13 AND SCu 125.1 MTu 13 AND NOT SCu 125.1 NOT MTu 13	M X N/A	3.4.1, 5.5.1	[ ]Yes [ ]No [ ]N/A
MTu13-IE12	Display	MTu 13 NOT MTu 13	X N/A	3.4.1	[ ]Yes [ ]No [ ]N/A
MTu13-IE22	Restart indicator	MTu 13 NOT MTu 13	M N/A	3.4.1, 5.5.1	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.43: Information elements in RESTART ACKNOWLEDGE transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu14-IE9	Channel identification	MTu 14 NOT MTu 14	M N/A	3.4.2, 5.5.2	[ ]Yes [ ]No [ ]N/A
MTu14-IE12	Display	MTu 14 NOT MTu 14	X N/A	3.4.2	[ ]Yes [ ]No [ ]N/A
MTu14-IE22	Restart indicator	MTu 14 NOT MTu 14	M N/A	3.4.2, 5.5.2	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.44: Information elements in RESUME transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu15-IE2	Call identity	MTu 15 NOT MTu 15	O.19 N/A	3.1.11, 5.6.4, 5.6.5	[ ]Yes [ ]No [ ]N/A
O.19	Support of all or none of these options is required (see table A.50 for the other option in this set).				
Comments:					

Table A.45: Information elements in SEGMENT transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu18-IE23	Segmented message	MTu 18 NOT MTu 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
MTu18-IEx	"Segment"	MTu 18 NOT MTu 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.46: Information elements in SETUP transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu19-IE24	Sending complete	MTu 19 NOT MTu 19	O N/A	3.1.14, 5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
MTu19-IE1	Bearer capability	MTu 19 NOT MTu 19	M N/A	3.1.14, 5.1.1, 5.11.1, annex B	[ ]Yes [ ]No [ ]N/A
MTu19-IE9	Channel identification	MTu 19 NOT MTu 19	O N/A	3.1.14. 5.1.2	[ ]Yes [ ]No [ ]N/A
MTu19-IE20	Progress indicator	MTu 19 AND MCu 1.3 NOT MTu 19 OR NOT MCu 1.3	M N/A	3.1.14, 5.1.6	[ ]Yes [ ]No [ ]N/A
MTu19-IE18	Network specific facilities	MTu 19 AND MCu 9 NOT MTu 19 OR NOT MCu 9	M N/A	3.1.14, annex E	[ ]Yes [ ]No [ ]N/A
MTu19-IE12	Display	MTu 19 NOT MTu 19	X N/A	3.1.14	[ ]Yes [ ]No [ ]N/A
MTu19-IE15	Keypad facility	MTu 19 NOT MTu 19	O N/A	3.1.14, 5.1.3	[ ]Yes [ ]No [ ]N/A
MTu19-IE6	Calling party number	MTu 19 NOT MTu 19	O N/A	3.1.14	[ ]Yes [ ]No [ ]N/A
MTu19-IE7	Calling party subaddress	MTu 19 NOT MTu 19	O N/A	3.1.14	[ ]Yes [ ]No [ ]N/A
MTu19-IE4	Called party number	MTu 19 AND MCu 1.1 MTu 19 AND NOT MCu 1.1 NOT MTu 19	M O N/A	3.1.14, 5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
MTu19-IE5	Called party subaddress	MTu 19 NOT MTu 19	O N/A	3.1.14, 5.1.1, 5.1.3	[ ]Yes [ ]No [ ]N/A
MTu19-IE27	Transit network selection	MTu 19 AND MCu 1.4 NOT MTu 19 OR NOT MCu 1.4	M N/A	3.1.14, 5.1.10, annex C	[ ]Yes [ ]No [ ]N/A
MTu19-IE16	Low layer compatibility	MTu 19 AND MCu 10.1 MTu 19 AND NOT MCu 10.1 NOT MTu 19	M O N/A	3.1.14, annex I, annex J, annex B	[ ]Yes [ ]No [ ]N/A
MTu19-IE14	High layer compatibility	MTu 19 AND MCu 22.1 MTu 19 AND NOT MCu 22.1 NOT MTu 19	M O N/A	3.1.14, 5.12.1, annex B	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.47: Information elements in SETUP ACKNOWLEDGE transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu20-IE9	Channel identification	MTu 20 AND MCu 2.4 MTu 20 AND NOT MCu 2.4 NOT MTu 20	M O N/A	3.1.15, 5.2.3	[ ]Yes [ ]No [ ]N/A
MTu20-IE20.1	Progress indicator, indicating that in-band information is available	MTu 20 AND TIu 3 NOT MTu 20 OR NOT TIu 3	M N/A	3.1.1, 5.2.6, annex K	[ ]Yes [ ]No [ ]N/A
MTu20-IE20.2	Progress indicator, indicating interworking	MTu 20 AND MCu 2.6 NOT MTu 20 OR NOT MCu 2.6	M N/A	3.1.1, 5.2.6	[ ]Yes [ ]No [ ]N/A
MTu20-IE12	Display	MTu 20 NOT MTu 20	X N/A		[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.48: Information elements in STATUS transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu21-IE8	Cause		M		[ ]Yes [ ]No
MTu21-IE3	Call state		M		[ ]Yes [ ]No
MTu21-IE12	Display		X		[ ]Yes [ ]No
Comments:					

Table A.49: Information elements in STATUS ENQUIRY transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu22-IE12	Display	MTu 22 NOT MTu 22	X N/A		[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.50: Information elements in SUSPEND transmitted by the user

Item	Information element	Conditions for status	Status	Reference	Support
MTu23-IE2	Call identity	MTu 23 NOT MTu 23	O.19 N/A		[ ]Yes [ ]No [ ]N/A
O.19 Support of all or none of these options is required (see table A.44 for the other option in this set).					
Comments:					

A.6.6   Timers

Indicating support for an item in table A.51 states that the implementation has a timer that operates in accordance with the description in clause 9 of ITU-T Recommendation Q.931 as modified by EN 300 403-1 [1] and with the relevant behaviour specified in clause 5 of ITU-T Recommendation Q.931 as modified by EN 300 403-1 [1].

Table A.51 indicates the permitted range of values for each timer. The supplier shall state the values supported by their implementation.

Table A.51: Timers in the user role

Item	Timer: Does the implementation support...	Conditions for status	Status	Reference	Support	Values Allowed	Value Supported
TMu 1	T301		I	Table 9.2, note 6	[ ]Yes [ ]No	N/A	N/A
TMu 2	T302	MCu 2.2 NOT MCu 2.2	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	15 s	
TMu 3	T303	MCu 1 NOT MCu 1	O N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	4 s	
TMu 4	T304	MCu 1.2 NOT MCu 1.2	O N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	30 s	
TMu 5	T305		M	Table 9.2	[ ]Yes [ ]No	30 s	
TMu 8	T308		M	Table 9.2	[ ]Yes [ ]No	4 s	
TMu 9	T309		O	Table 9.2	[ ]Yes [ ]No	6 - 12 s (note)	
TMu 10	T310	MCu 1 NOT MCu 1	O N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	30 - 100 s	
TMu 12	T313	MCu 2 NOT MCu 2	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	4 s	
TMu 13	T314	MCu 13 NOT MCu 13	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	4 s	
TMu 14	T316	MCu 5.2 NOT MCu 5.2	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	120 s	
TMu 15	T317	MCu 5.1 NOT MCu 5.1	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	< T316	
TMu 16	T318	MCu 6 NOT MCu 6	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	4 s	
TMu 17	T319	MCu 6 NOT MCu 6	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	4 s	
TMu 18	T321		I	Table 9.2, note 6	[ ]Yes [ ]No	N/A	N/A
TMu 19	T322	MCu 7.2 NOT MCu 7.2	M N/A	Table 9.2	[ ]Yes [ ]No [ ]N/A	4 s	
NOTE: The value of T309 is calculated according to the formula: T309 = (N200 + 1) × T200 + 2 s.							
Comments:							

A.6.7   Compatibility information elements structure

The following tables concern the Bearer capability, the Low layer compatibility and the High layer compatibility information elements. These tables shall be completed in order to evaluate the chance of interoperability of two implementations.

Table A.52: Bearer capability structure

Item	Information element field	Status	Values	Support
ISu 1.1	Octet 3 bits 6 and 7, coding standard	M		[ ]Yes [ ]No
	1. CCITT standardized coding 2. ISO/IEC standard 3. National standard 4. Network specific standard	M N/A N/A N/A	0 1 2 3	[ ]Yes [ ]No
ISu 1.2	Octet 3 bits 1 to 5, information transfer capability	M		[ ]Yes [ ]No
	1. Speech 2. Unrestricted digital 3. Restricted digital 4. 3,1 kHz audio 5. Unrestricted digital information with tones/announcements 6. Video	O O N/A O O N/A	0 8 9 16 17 24	[ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No
ISu 1.3	Octet 4 bits 6 and 7, transfer mode	M		[ ]Yes [ ]No
	1. Circuit 2. Packet	O N/A	0 2	[ ]Yes [ ]No
ISu 1.4	Octet 4 bits 1 to 5, information transfer rate	M		[ ]Yes [ ]No
	1. 64 kbit/s 2. 2 x 64 kbit/s 3. 384 kbit/s 4. 1 536 kbit/s 5. 1 920 kbit/s 6. Multirate	O N/A N/A N/A N/A O	16 17 19 21 23 24	[ ]Yes [ ]No [ ]Yes [ ]No
ISu 1.9	Octet 4.1 Rate multiplier	O	2 up to the maximum number of B-channels	Values:
ISu 1.10	Octet 5 bits 1 to 5, user information layer 1 protocol	O		[ ]Yes [ ]No
	1. V.110/X.30 2. G.711 µ-law 3. G.711 A-law 4. G.721 32 kbit/s ADPCM and I.460 5. G.722 and G.725 7kHz audio 6. Non-CCITT rate adaption 7. V.120 8. X.31 HDLC	O N/A O O O O O O	1 2 3 4 5 7 8 9	[ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No
ISu 1.11	Octet 5a bit 7, synchronous/asynchronous	O		[ ]Yes [ ]No
	1. Synchronous 2. Asynchronous	O O	0 1	[ ]Yes [ ]No [ ]Yes [ ]No
ISu 1.12	Octet 5a bit 6, negotiation indicator	O		[ ]Yes [ ]No
	1. In-band negotiation not possible 2. In-band negotiation possible	O O	0 1	[ ]Yes [ ]No [ ]Yes [ ]No
ISu 1.13	Octet 5a bits 1 to 5, user rate	O		[ ]Yes [ ]No
	1. Rate indicated by E bits (I.460) 2. 0,6 kbit/s CCITT V.6 and X.1 3. 1,2 kbit/s CCITT V.6 4. 2,4 kbit/s CCITT V.6 and X.1 5. 3,6 kbit/s CCITT V.6 6. 4,8 kbit/s CCITT V.6 and X.1 7. 7,2 kbit/s CCITT V.6 8. 8 kbit/s CCITT I.460 9. 9,6 kbit/s CCITT V.6 and X.1 10. 14,4 kbit/s CCITT V.6 11. 16 kbit/s CCITT I.460 12. 19,2 kbit/s CCITT V.6 13. 32 kbit/s CCITT I.460 13a. 38,4 kbit/s CCITT V.110 14. 48 kbit/s CCITT V.6 and X.1 15. 56 kbit/s CCITT V.6 16. 64 kbit/s CCITT X.1 16a. 57,6 kbit/s CCITT V.14 extended 16b. 28,8 kbit/s CCITT V.110	O O O O O O O O O O O O O O O O O O O	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 18 19	[ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No [ ]Yes [ ]No

(continued)

Table A.52 (continued): Bearer capability structure

Item	Information element field	Status	Values	Support
	17. 0,1345 kbit/s CCITT X.1	O	21	[ ]Yes [ ]No
	18. 0,100 kbit/s CCITT X.1	O	22	[ ]Yes [ ]No
	19. 0,075/1,2 kbit/s CCITT V.6 and X.1	O	23	[ ]Yes [ ]No
	20. 1,2/0,075 kbit/s CCITT V.6 and X.1	O	24	[ ]Yes [ ]No
	21. 0,050 kbit/s CCITT V.6 and X.1	O	25	[ ]Yes [ ]No
	22. 0,075 kbit/s CCITT V.6 and X.1	O	26	[ ]Yes [ ]No
	23. 0,110 kbit/s CCITT V.6 and X.1	O	27	[ ]Yes [ ]No
	24. 0,150 kbit/s CCITT V.6 and X.1	O	28	[ ]Yes [ ]No
	25. 0,200 kbit/s CCITT V.6 and X.1	O	29	[ ]Yes [ ]No
	26. 0,300 kbit/s CCITT V.6 and X.1	O	30	[ ]Yes [ ]No
	27. 12 kbit/s CCITT V.6	O	31	[ ]Yes [ ]No
	Octet 5b, for V.110/X.30 rate adaption			
ISu 1.14	Octet 5b bits 6 and 7, intermediate rate	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 8 kbit/s	O	1	[ ]Yes [ ]No
	3. 16 kbit/s	O	2	[ ]Yes [ ]No
	4. 32 kbit/s	O	3	[ ]Yes [ ]No
ISu 1.15	Octet 5b bit 5, Network Independent Clock (NIC) on transmission	O		[ ]Yes [ ]No
	1. Not required to send data with NIC	O	0	[ ]Yes [ ]No
	2. Required to send data with NIC	O	1	[ ]Yes [ ]No
ISu 1.16	Octet 5b bit 4, NIC on reception	O		[ ]Yes [ ]No
	1. Cannot accept data with NIC	O	0	[ ]Yes [ ]No
	2. Can accept data with NIC	O	1	[ ]Yes [ ]No
ISu 1.17	Octet 5b bit 3, flow control on transmission	O		[ ]Yes [ ]No
	1. Not required to send data with flow control	O	0	[ ]Yes [ ]No
	2. Required to send data with flow control	O	1	[ ]Yes [ ]No
ISu 1.18	Octet 5b bit 2, flow control on reception	O		[ ]Yes [ ]No
	1. Cannot accept data with flow control mechanism	O	0	[ ]Yes [ ]No
	2. Can accept data with flow control mechanism	O	1	[ ]Yes [ ]No
	Octet 5b, for V.120 rate adaption			
ISu 1.19	Octet 5b bit 7, rate adaption header/no header	O		[ ]Yes [ ]No
	1. rate adaption header not included	O	0	[ ]Yes [ ]No
	2. rate adaption header included	O	1	[ ]Yes [ ]No
ISu 1.20	Octet 5b bit 6, multiple frame establishment support in data link	O		[ ]Yes [ ]No
	1. multiple frame establishment not supported	O	0	[ ]Yes [ ]No
	2. multiple frame establishment supported	O	1	[ ]Yes [ ]No
ISu 1.21	Octet 5b bit 5, mode of operation	O		[ ]Yes [ ]No
	1. bit transparent mode of operation	O	0	[ ]Yes [ ]No
	2. protocol sensitive mode of operation	O	1	[ ]Yes [ ]No
ISu 1.22	Octet 5b bit 4, logical link identifier negotiation	O		[ ]Yes [ ]No
	1. default, LLI = 256 only	O	0	[ ]Yes [ ]No
	2. full protocol negotiation (see octet 5b, bit 2)	O	1	[ ]Yes [ ]No
ISu 1.23	Octet 5b bit 3, assignor/assignee	O		[ ]Yes [ ]No
	1. message originator is "Default assignee"	O	0	[ ]Yes [ ]No
	2. message originator is "Assignor only"	O	1	[ ]Yes [ ]No
ISu 1.24	Octet 5b bit 2, In-band/Out-band negotiation	O		[ ]Yes [ ]No
	1. negotiation is done with USER INFORMATION messages on a temporary signalling connection	O	0	[ ]Yes [ ]No
	2. negotiation is done in-band using logical link zero	O	1	[ ]Yes [ ]No
ISu 1.25	Octet 5c bits 6 and 7, number of stop bits?	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 1 bit	O	1	[ ]Yes [ ]No
	3. 1,5 bits	O	2	[ ]Yes [ ]No
	4. 2 bits	O	3	[ ]Yes [ ]No
ISu 1.26	Octet 5c bits 4 and 5, number of data bits excluding parity	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 5 bits	O	1	[ ]Yes [ ]No
	3. 7 bits	O	2	[ ]Yes [ ]No
	4. 8 bits	O	3	[ ]Yes [ ]No
ISu 1.27	Octet 5c bits 1 to 3, parity information	O		[ ]Yes [ ]No
	1. Odd	O	0	[ ]Yes [ ]No
	2. Even	O	2	[ ]Yes [ ]No
	3. None	O	3	[ ]Yes [ ]No
	4. Forced to 0	O	4	[ ]Yes [ ]No
	5. Forced to 1	O	5	[ ]Yes [ ]No

(continued)

Table A.52 (concluded): Bearer capability structure

Item	Information element field	Status	Values	Support
ISu 1.28	Octet 5d bit 7, duplex mode	O		[ ]Yes [ ]No
	1. Half duplex	O	0	[ ]Yes [ ]No
	2. Full duplex	O	1	[ ]Yes [ ]No
ISu 1.29	Octet 5d bits 1 to 6, modem type	O		[ ]Yes [ ]No
	1. V.21	O	17	[ ]Yes [ ]No
	2. V.22	O	18	[ ]Yes [ ]No
	3. V.22 bis	O	19	[ ]Yes [ ]No
	4. V.23	O	20	[ ]Yes [ ]No
	5. V.26	O	21	[ ]Yes [ ]No
	6. V.26 bis	O	22	[ ]Yes [ ]No
	7. V.26 ter	O	23	[ ]Yes [ ]No
	8. V.27	O	24	[ ]Yes [ ]No
	9. V.27 bis	O	25	[ ]Yes [ ]No
	10. V.27 ter	O	26	[ ]Yes [ ]No
	11. V.29	O	27	[ ]Yes [ ]No
	12. V.32	O	28	[ ]Yes [ ]No
	13. V.34	O	30	[ ]Yes [ ]No
ISu 1.30	Octet 6 bits 1 to 5, user information layer 2 protocol	O		[ ]Yes [ ]No
	1. Q.921	O	2	[ ]Yes [ ]No
	2. X.25 link level	O	6	[ ]Yes [ ]No
ISu 1.31	Octet 7 bits 1 to 5, user information layer 3 protocol	O		[ ]Yes [ ]No
	1. Q.931	O	2	[ ]Yes [ ]No
	2. X.25 packet layer	O	6	[ ]Yes [ ]No
Comments:				

Table A.53: High layer compatibility structure

Item	Information element field	Status	Values	Support
ISu 3.1	Octet 3 bits 6 and 7, coding standard	M		[ ]Yes [ ]No
	1. CCITT standardized coding	O	0	[ ]Yes [ ]No
	2. ISO/IEC standard	O	1	[ ]Yes [ ]No
	3. National standard	O	2	[ ]Yes [ ]No
	4. Network specific standard	O	3	[ ]Yes [ ]No
ISu 3.1a	Octet 3 bits 3 to 5, Interpretation	M		[ ]Yes [ ]No
	1. First high layer characteristics identification	M	4	[ ]Yes [ ]No
ISu 3.1b	Octet 3 bits 1 to 2, presentation method of protocol profile	M		[ ]Yes [ ]No
	1. High layer protocol profile	M	1	[ ]Yes [ ]No
ISu 3.2a	Octet 4 bits 1 to 7, high layer characteristics identification, CCITT standardized coding	M		[ ]Yes [ ]No
	1. Telephony	O	1	[ ]Yes [ ]No
	2. Fax group 2/3 (F.182)	O	4	[ ]Yes [ ]No
	3. Fax group 4 class 1 (F.184)	O	33	[ ]Yes [ ]No
	4. Teletex, basic and mixed mode (F.230), Fax group 4, classes II & III (F.184)	O	36	[ ]Yes [ ]No
	5. Teletex, basic and processable mode (F.220)	O	40	[ ]Yes [ ]No
	6. Teletex basic mode (F.200)	O	49	[ ]Yes [ ]No
	7. Syntax-based videotex (F.300, T.102)	O	50	[ ]Yes [ ]No
	8. International videotex interworking via gateways or interworking units (F.300, T.101)	O	51	[ ]Yes [ ]No
	9. Telex (F.60)	O	53	[ ]Yes [ ]No
	10. MHS (X.400)	O	56	[ ]Yes [ ]No
	11. OSI application (X.200)	O	65	[ ]Yes [ ]No
	12. FTAM application (ETS 300 388)	O	66	[ ]Yes [ ]No
	13. Videotelephony (F.720 and F.721)	O	96	[ ]Yes [ ]No
	14. Videoconferencing (F.730)	O	97	[ ]Yes [ ]No
	15. Audiographic conferencing (F.710 and F.711)	O	98	[ ]Yes [ ]No
	16. Multimedia services (F.700)	O	98	[ ]Yes [ ]No
ISu 3.2b	Octet 4 bits 1 to 7, high layer characteristics identification, National standard coding	M		[ ]Yes [ ]No
	1. Eurofile transfer (ETS 300 383)	O	65	[ ]Yes [ ]No
ISu 3.3	Octet 4 bits 1 to 7, extended high layer characteristics identification, National standard coding	O		[ ]Yes [ ]No
	1. Eurofile transfer (ETS 300 383)	O	65	[ ]Yes [ ]No
Comments:				

Table A.54: Low layer compatibility structure

Item	Information element field	Status	Values	Support
ISu 4.1	Octet 3 bits 6 and 7, coding standard	M		[ ]Yes [ ]No
	1. CCITT standardized coding	O	0	[ ]Yes [ ]No
	2. ISO/IEC standard	O	1	[ ]Yes [ ]No
	3. National standard	O	2	[ ]Yes [ ]No
	4. Network specific standard	O	3	[ ]Yes [ ]No
ISu 4.2	Octet 3 bits 1 to 5, information transfer capability	M		[ ]Yes [ ]No
	1. Speech	O	0	[ ]Yes [ ]No
	2. Unrestricted digital	O	8	[ ]Yes [ ]No
	3. Restricted digital	O	9	[ ]Yes [ ]No
	4. 3,1 kHz audio	O	16	[ ]Yes [ ]No
	5. Unrestricted digital information with tones/announcements	O	17	[ ]Yes [ ]No
	6. Video	O	24	[ ]Yes [ ]No
ISu 4.3	Octet 3a bit 7, negotiation indicator	O		[ ]Yes [ ]No
	1. Outband negotiation not possible	O	0	[ ]Yes [ ]No
	2. Outband negotiation possible	O	1	[ ]Yes [ ]No
ISu 4.4	Octet 4 bits 6 and 7, transfer mode	M		[ ]Yes [ ]No
	1. Circuit	O	0	[ ]Yes [ ]No
	2. Packet	O	2	[ ]Yes [ ]No
ISu 4.5	Octet 4 bits 1 to 5, information transfer rate	M		[ ]Yes [ ]No
	1. 64 kbit/s	O	16	[ ]Yes [ ]No
	2. 2 x 64 kbit/s	O	17	[ ]Yes [ ]No
	3. 384 kbit/s	O	19	[ ]Yes [ ]No
	4. 1 536 kbit/s	O	21	[ ]Yes [ ]No
	5. 1 920 kbit/s	O	23	[ ]Yes [ ]No
	6. Multirate	O	24	[ ]Yes [ ]No
ISu 4.10	Octet 4.1 Rate multiplier	O	2 up to the maximum number of B-channels	Values:
ISu 4.11	Octet 5 bits 1 to 5, user information layer 1 protocol	O		[ ]Yes [ ]No
	1. V.110/X.30	O	1	[ ]Yes [ ]No
	2. G.711 μ-law	O	2	[ ]Yes [ ]No
	3. G.711 A-law	O	3	[ ]Yes [ ]No
	4. G.721 32 kbit/s ADPCM and I.460	O	4	[ ]Yes [ ]No
	5. G.722 and G.725 7kHz audio	O	5	[ ]Yes [ ]No
	6. G.7xx 384 kbit/s video	O	6	[ ]Yes [ ]No
	7. Non-CCITT rate adaption	O	7	[ ]Yes [ ]No
	8. V.120	O	8	[ ]Yes [ ]No
	9. X.31 HDLC	O	9	[ ]Yes [ ]No
ISu 4.12	Octet 5a bit 7, synchronous/asynchronous	O		[ ]Yes [ ]No
	1. Synchronous	O	0	[ ]Yes [ ]No
	2. Asynchronous	O	1	[ ]Yes [ ]No
ISu 4.13	Octet 5a bit 6, negotiation indicator	O		[ ]Yes [ ]No
	1. In-band negotiation not possible	O	0	[ ]Yes [ ]No
	2. In-band negotiation possible	O	1	[ ]Yes [ ]No
ISu 4.14	Octet 5a bits 1 to 5, user rate	O		[ ]Yes [ ]No
	1. Rate indicated by E bits (I.460)	O	0	[ ]Yes [ ]No
	2. 0,6 kbit/s CCITT V.6 and X.1	O	1	[ ]Yes [ ]No
	3. 1,2 kbit/s CCITT V.6	O	2	[ ]Yes [ ]No
	4. 2,4 kbit/s CCITT V.6 and X.1	O	3	[ ]Yes [ ]No
	5. 3,6 kbit/s CCITT V.6	O	4	[ ]Yes [ ]No
	6. 4,8 kbit/s CCITT V.6 and X.1	O	5	[ ]Yes [ ]No
	7. 7,2 kbit/s CCITT V.6	O	6	[ ]Yes [ ]No
	8. 8 kbit/s CCITT I.460	O	7	[ ]Yes [ ]No
	9. 9,6 kbit/s CCITT V.6 and X.1	O	8	[ ]Yes [ ]No
	10. 14,4 kbit/s CCITT V.6	O	9	[ ]Yes [ ]No
	11. 16 kbit/s CCITT I.460	O	10	[ ]Yes [ ]No
	12. 19,2 kbit/s CCITT V.6	O	11	[ ]Yes [ ]No
	13. 32 kbit/s CCITT I.460	O	12	[ ]Yes [ ]No
	13a. 38,4 kbit/s CCITT V.110	O	13	[ ]Yes [ ]No
	14. 48 kbit/s CCITT V.6 and X.1	O	14	[ ]Yes [ ]No
	15. 56 kbit/s CCITT V.6	O	15	[ ]Yes [ ]No
	16. 64 kbit/s CCITT X.1	O	16	[ ]Yes [ ]No
	16a. 57,6 kbit/s CCITT V.14 extended	O	18	[ ]Yes [ ]No
	16b. 28,8 kbit/s CCITT V.110	O	19	[ ]Yes [ ]No

(continued)

Table A.54 (continued): Low layer compatibility structure

Item	Information element field	Status	Values	Support
	17. 0,1345 kbit/s CCITT X.1	O	21	[ ]Yes [ ]No
	18. 0,100 kbit/s CCITT X.1	O	22	[ ]Yes [ ]No
	19. 0,075/1,2 kbit/s CCITT V.6 and X.1	O	23	[ ]Yes [ ]No
	20. 1,2/0,075 kbit/s CCITT V.6 and X.1	O	24	[ ]Yes [ ]No
	21. 0,050 kbit/s CCITT V.6 and X.1	O	25	[ ]Yes [ ]No
	22. 0,075 kbit/s CCITT V.6 and X.1	O	26	[ ]Yes [ ]No
	23. 0,110 kbit/s CCITT V.6 and X.1	O	27	[ ]Yes [ ]No
	24. 0,150 kbit/s CCITT V.6 and X.1	O	28	[ ]Yes [ ]No
	25. 0,200 kbit/s CCITT V.6 and X.1	O	29	[ ]Yes [ ]No
	26. 0,300 kbit/s CCITT V.6 and X.1	O	30	[ ]Yes [ ]No
	27. 12 kbit/s CCITT V.6	O	31	[ ]Yes [ ]No
	Octet 5b, for V.110/X.30 rate adaption			
ISu 4.15	Octet 5b bits 6 and 7, intermediate rate	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 8 kbit/s	O	1	[ ]Yes [ ]No
	3. 16 kbit/s	O	2	[ ]Yes [ ]No
	4. 32 kbit/s	O	3	[ ]Yes [ ]No
ISu 4.16	Octet 5b bit 5, Network Independent Clock (NIC) on transmission	O		[ ]Yes [ ]No
	1. Not required to send data with NIC	O	0	[ ]Yes [ ]No
	2. Required to send data with NIC	O	1	[ ]Yes [ ]No
ISu 4.17	Octet 5b bit 4, NIC on reception	O		[ ]Yes [ ]No
	1. Cannot accept data with NIC	O	0	[ ]Yes [ ]No
	2. Can accept data with NIC	O	1	[ ]Yes [ ]No
ISu 4.18	Octet 5b bit 3, flow control on transmission	O		[ ]Yes [ ]No
	1. Not required to send data with flow control	O	0	[ ]Yes [ ]No
	2. Required to send data with flow control	O	1	[ ]Yes [ ]No
ISu 4.19	Octet 5b bit 2, flow control on reception	O		[ ]Yes [ ]No
	1. Cannot accept data with flow control mechanism	O	0	[ ]Yes [ ]No
	2. Can accept data with flow control mechanism	O	1	[ ]Yes [ ]No
	Octet 5b, for V.120 rate adaption			
ISu 4.20	Octet 5b bit 7, header	O		[ ]Yes [ ]No
	1. Header not included	O	0	[ ]Yes [ ]No
	2. Header included	O	1	[ ]Yes [ ]No
ISu 4.21	Octet 5b bit 6, Multiple Frame Establishment (MFE) support in data link	O		[ ]Yes [ ]No
	1. MFE not supported, only UI frames allowed	O	0	[ ]Yes [ ]No
	2. MFE supported	O	1	[ ]Yes [ ]No
ISu 4.22	Octet 5b bit 5, mode of operation	O		[ ]Yes [ ]No
	1. Bit transparent mode	O	0	[ ]Yes [ ]No
	2. Protocol sensitive mode	O	1	[ ]Yes [ ]No
ISu 4.23	Octet 5b bit 4, Logical Link Identifier (LLI) negotiation	O		[ ]Yes [ ]No
	1. Default LLI = 256 only	O	0	[ ]Yes [ ]No
	2. Full protocol negotiation	O	1	[ ]Yes [ ]No
ISu 4.24	Octet 5b bit 3, assignor/assignee	O		[ ]Yes [ ]No
	1. Message originator is "default assignee"	O	0	[ ]Yes [ ]No
	2. Message originator is "assignor only"	O	1	[ ]Yes [ ]No
ISu 4.25	Octet 5b bit 2, in-band/out-band negotiation	O		[ ]Yes [ ]No
	1. Negotiation performed with USER INFORMATION messages	O	0	[ ]Yes [ ]No
	2. Negotiation performed in-band	O	1	[ ]Yes [ ]No
ISu 4.26	Octet 5c bits 6 and 7, number of stop bits	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 1 bit	O	1	[ ]Yes [ ]No
	3. 1,5 bits	O	2	[ ]Yes [ ]No
	4. 2 bits	O	3	[ ]Yes [ ]No
ISu 4.27	Octet 5c bits 4 and 5, number of data bits excluding parity	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 5 bits	O	1	[ ]Yes [ ]No
	3. 7 bits	O	2	[ ]Yes [ ]No
	4. 8 bits	O	3	[ ]Yes [ ]No
ISu 4.28	Octet 5c bits 1 to 3, parity information	O		[ ]Yes [ ]No
	1. Odd	O	0	[ ]Yes [ ]No
	2. Even	O	2	[ ]Yes [ ]No
	3. None	O	3	[ ]Yes [ ]No
	4. Forced to 0	O	4	[ ]Yes [ ]No
	5. Forced to 1	O	5	[ ]Yes [ ]No
ISu 4.29	Octet 5d bit 7, duplex mode	O		[ ]Yes [ ]No
	1. Half duplex	O	0	[ ]Yes [ ]No
	2. Full duplex	O	1	[ ]Yes [ ]No

(continued)

Table A.54 (concluded): Low layer compatibility structure

Item	Information element field	Status	Values	Support
ISu 4.30	Octet 5d bits 1 to 6, modem type	O		[ ]Yes [ ]No
	1. V.21	O	17	[ ]Yes [ ]No
	2. V.22	O	18	[ ]Yes [ ]No
	3. V.22 bis	O	19	[ ]Yes [ ]No
	4. V.23	O	20	[ ]Yes [ ]No
	5. V.26	O	21	[ ]Yes [ ]No
	6. V.26 bis	O	22	[ ]Yes [ ]No
	7. V.26 ter	O	23	[ ]Yes [ ]No
	8. V.27	O	24	[ ]Yes [ ]No
	9. V.27 bis	O	25	[ ]Yes [ ]No
	10. V.27 ter	O	26	[ ]Yes [ ]No
	11. V.29	O	27	[ ]Yes [ ]No
	12. V.32	O	28	[ ]Yes [ ]No
	13. V.34	O	30	[ ]Yes [ ]No
ISu 4.31	Octet 6 bits 1 to 5, user information layer 2 protocol	O		[ ]Yes [ ]No
	1. Basic mode ISO 1745	O	1	[ ]Yes [ ]No
	2. Q.921	O	2	[ ]Yes [ ]No
	3. X.25 link level	O	6	[ ]Yes [ ]No
	4. X.25 multi-link	O	7	[ ]Yes [ ]No
	5. Extended LAPB for half duplex (T.71)	O	8	[ ]Yes [ ]No
	6. HDLC ARM (ISO 4335)	O	9	[ ]Yes [ ]No
	7. HDLC NRM (ISO 4335)	O	10	[ ]Yes [ ]No
	8. HDLC ABM (ISO 4335)	O	11	[ ]Yes [ ]No
	9. LAN LLC ISO 8802/2	O	12	[ ]Yes [ ]No
	10. CCITT X.75 single link procedure	O	13	[ ]Yes [ ]No
	11. CCITT Q.922	O	14	[ ]Yes [ ]No
	12. CCITT Q.922 - core aspects	O	15	[ ]Yes [ ]No
	13. User specified	O	16	[ ]Yes [ ]No
	14. ISO 7776 DTE-DTE operation	O	17	[ ]Yes [ ]No
ISu 4.32	Octet 7 bits 1 to 5, user information layer 3 protocol	O		[ ]Yes [ ]No
	1. Q.931	O	2	[ ]Yes [ ]No
	2. X.25 packet layer	O	6	[ ]Yes [ ]No
	3. ISO 8208 (X.25 for DTE)	O	7	[ ]Yes [ ]No
	4. ISO 8348 (OSI connection oriented service)	O	8	[ ]Yes [ ]No
	5. ISO 8473 (OSI connectionless service)	O	9	[ ]Yes [ ]No
	6. CCITT T.70 minimum network layer	O	10	[ ]Yes [ ]No
Comments:				

A.6.8 Numbering information elements structure

The following tables concern the Calling Party Number and Called Party Number information elements. These tables shall be completed in order to evaluate the chance of interoperability of two implementations.

Table A.55: Calling party number information element in SETUP received by the user

Item	Does the implementation support Calling party number information element parameters...	Conditions for status	Status	Values	Support
CGPru 1.1	TON (octet 3)	MRu 19-IE6 NOT MRu 19-IE6	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		X	6	[ ]Yes [ ]No
CGPru 1.2	NPI (octet 3)	MRu 19-IE6 NOT MRu 19-IE6	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CGPru 1.3	Presentation indicator (octet 3a)	MRu 19-IE6 NOT MRu 19-IE6	O N/A		[ ]Yes [ ]No [ ]N/A
	1. Presentation allowed		O	0	[ ]Yes [ ]No
	2. Presentation restricted		O	1	[ ]Yes [ ]No
	3. Number not available due to interworking		O	2	[ ]Yes [ ]No
CGPru 1.4	Screening indicator (octet 3a)	MRu 19-IE6 NOT MRu 19-IE6	O N/A		[ ]Yes [ ]No [ ]N/A
	1. User-provided, not screened		O	0	[ ]Yes [ ]No
	2. User-provided, verified and passed		O	1	[ ]Yes [ ]No
	3. User-provided, verified and failed		X	2	[ ]Yes [ ]No
	4. Network provided		O	3	[ ]Yes [ ]No
CGPru 1.5	Number digits (octet 4 onwards)	MRu 19-IE6 NOT MRu 19-IE6	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.56: Calling party number information element in SETUP transmitted by the user

Item	Does the implementation support Calling party number information element parameters...	Conditions for status	Status	Values	Support
CGPtu 1.1	TON (octet 3)	MTu 19-IE6 NOT MTu 19-IE6	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		X	6	[ ]Yes [ ]No
CGPtu 1.2	NPI (octet 3)	MTu 19-IE6 NOT MTu 19-IE6	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CGPtu 1.3	Presentation indicator (octet 3a)	MTu 19-IE6 NOT MTu 19-IE6	O N/A		[ ]Yes [ ]No [ ]N/A
	1. Presentation allowed		O	0	[ ]Yes [ ]No
	2. Presentation restricted		O	1	[ ]Yes [ ]No
	3. Number not available due to interworking		O	2	[ ]Yes [ ]No
CGPtu 1.4	Screening indicator (octet 3a)	MTu 19-IE6 NOT MTu 19-IE6	O N/A		[ ]Yes [ ]No [ ]N/A
	1. User-provided, not screened		O	0	[ ]Yes [ ]No
	2. User-provided, verified and passed		O	1	[ ]Yes [ ]No
	3. User-provided, verified and failed		X	2	[ ]Yes [ ]No
	4. Network provided		O	3	[ ]Yes [ ]No
CGPtu 1.5	Number digits (octet 4 onwards)	MTu 19-IE6 NOT MTu 19-IE6	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.57: Called party number information element in SETUP received by the user

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP1ru 1.1	TON (octet 3)	MRu 19-IE4 NOT MRu 19-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		O	6	[ ]Yes [ ]No
CDP1ru 1.2	NPI (octet 3)	MRu 19-IE4 NOT MRu 19-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CDP1ru 1.3	Number digits (octet 4 onwards)	MRu 19-IE4 NOT MRu 19-IE4	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.58: Called party number information element in SETUP transmitted by the user

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP1tu 1.1	TON (octet 3)	MTu 19-IE4 NOT MTu 19-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		O	6	[ ]Yes [ ]No
CDP1tu 1.2	NPI (octet 3)	MTu 19-IE4 NOT MTu 19-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CDP1tu 1.3	Number digits (octet 4 onwards)	MTu 19-IE4 NOT MTu 19-IE4	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.59: Called party number information element in INFORMATION received by the user

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP2ru 1.1	TON (octet 3)	MRu 8-IE4 NOT MRu 8-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		O	6	[ ]Yes [ ]No
CDP2ru 1.2	NPI (octet 3)	MRu 8-IE4 NOT MRu 8-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CDP2ru 1.3	Number digits (octet 4 onwards)	MRu 8-IE4 NOT MRu 8-IE4	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.60: Called party number information element in INFORMATION transmitted by the user

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP2tu 1.1	TON (octet 3)	MTu 8-IE4 NOT MTu 8-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		O	6	[ ]Yes [ ]No
CDP2tu 1.2	NPI (octet 3)	MTu 8-IE4 NOT MTu 8-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8 9	[ ]Yes [ ]No
CDP2tu 1.3	Number digits (octet 4 onwards)	MTu 8-IE4 NOT MTu 8-IE4	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7   Network

The tables provided in this subclause need only to be completed for network implementations.

Prerequisite: R 2.2

A.7.1   Type of implementation

Answers to the questions in table A.61 are required to permit the conditions for status for the network role to be properly evaluated for a specific IUT. The questions refer to aspects outside the scope of EN 300 403-1 [1], but which affect the behaviour of the basic call protocol.

Table A.61: Type of implementation

Item	Type of implementation: Does the implementation...	Conditions for status	Status	Reference	Support
TIn 3	provide in-band tones/announcements		I	5.1.2, 5.1.3, 5.1.7, 5.3.4.1, 5.4	[ ]Yes [ ]No
TIn 4	support one or more "existing services" (note)		I	5.13	[ ]Yes [ ]No
TIn 5	support services other than "existing services" (note)		I	5.13	[ ]Yes [ ]No
TIn 6	provide an internal alerting supervision timing function		I	9.1, table 9.1	[ ]Yes [ ]No
NOTE:	"Existing services" are those basic telecommunication services associated with the speech, 3,1 kHz audio and 64 kbit/s unrestricted bearer capabilities. Services other than the existing services include services based on, for example, the unrestricted digital information with tones / announcements bearer capability.				

A.7.2   Major capabilities

Each question in table A.62 refers to a major function of the protocol. Answering "Yes" to a particular question states that the implementation supports all the mandatory procedures for that function defined in the referenced clauses and subclauses of EN 300 403-1 [1]. Answering "No" to a particular question states that the implementation does not support that function of the protocol.

Table A.62: Major capabilities of the network role

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	Call establishment at the originating interface				
MCn 1	call establishment at the originating interface (outgoing calls from the user's point of view)		M	5.1	[ ]Yes [ ]No
MCn 1.1	the procedures for en-bloc sending (sending from the user's point of view)		M	5.1.1, 5.1.5.1	[ ]Yes [ ]No
MCn 1.2	the procedures for overlap sending (sending from the user's point of view)		M	5.1.3, 5.1.5.2	[ ]Yes [ ]No
MCn 1.3	interpretation of a notification of interworking on an outgoing call (notification sent by the calling user)		M	5.1.6 (last paragraph)	[ ]Yes [ ]No
MCn 1.4	transit network selection		O	5.1.10, annex C	[ ]Yes [ ]No
MCn 1.5	provision of in-band tones/announcements, during call establishment at the originating interface	TIn 3 NOT TIn 3	M N/A	5.1.2, 5.1.3, 5.1.7, 5.4	[ ]Yes [ ]No
MCn 1.6	sending of a notification of interworking on an outgoing call (notification received by the calling user)		M	5.1.6 (first to third paragraph)	[ ]Yes [ ]No
	Call establishment at the destination interface				
MCn 2	call establishment at the destination interface (incoming calls from the user's point of view)		M	5.2	[ ]Yes [ ]No
MCn 2.1	called party addressing information sent only in the SETUP message (en-bloc receiving from the user's point of view)		O.20	5.2.1, 5.2.5.1	[ ]Yes [ ]No
MCn 2.2	called party addressing information split across, and sent in, SETUP and INFORMATION messages (overlap receiving from the user's point of view)		O.20	5.2.1, 5.2.4, 5.2.5.1	[ ]Yes [ ]No
MCn 2.3	sending of a notification of interworking on an incoming call (notification sent to the called user)		M	5.2.6 (first paragraph)	[ ]Yes [ ]No
MCn 2.4	delivery of the SETUP message on a point-to-point data link	R 7.1 NOT R 7.1	M X	5.2.1, 5.2.3.1	[ ]Yes [ ]No [ ] N/A
MCn 2.5	delivery of the SETUP message on a broadcast data link	R 7.2 NOT R 7.2	M X	5.2.1, 5.2.3.2	[ ]Yes [ ]No [ ] N/A
MCn 2.6	interpretation of a notification of interworking on an incoming call (notification received from the called user)		M	5.2.6 (second to fourth paragraph)	[ ]Yes [ ]No
MCn 3	accept call clearing initiated by the user		M	5.3.3	[ ]Yes [ ]No
MCn 4.1	call clearing initiated by the network when tones/announcements provided	TIn 3 NOT TIn 3	M N/A	5.3.4.1	[ ]Yes [ ]No [ ] N/A
MCn 4.2	call clearing initiated by the network when tones/announcements not provided		M	5.3.4.2	[ ]Yes [ ]No
MCn 5.1	restart procedure (interpretation of a received RESTART message)	R 7.1 NOT R 7.1	M O	5.5.2	[ ]Yes [ ]No
MCn 5.2	initiation of restart procedure	R 7.1 NOT R 7.1	M O	5.5.1	[ ]Yes [ ]No
MCn 6	processing of a call rearrangement request	R 6.1 R 6.2	O N/A	5.6	[ ]Yes [ ]No [ ] N/A
MCn 7.1	response to status enquiry request		M	5.8.10	[ ]Yes [ ]No
MCn 7.2	initiation of status enquiry procedure		M	5.8.10	[ ]Yes [ ]No
MCn 8	symmetric call operation		X	2.1, annex D	[ ]Yes [ ]No

(continued)

Table A.62 (concluded): Major capabilities of the network role

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MCn 9	processing of network specific facility request		O	annex E	[ ]Yes [ ]No
MCn 11	procedures for the control of the user signalling bearer service		I	1.1, 2.2, 3.2, 7	[ ]Yes [ ]No
MCn 12	procedures for establishment of bearer connection prior to call acceptance		O	annex K	[ ]Yes [ ]No
MCn 12.1	establishment of bearer connection prior to call acceptance, on completion of successful channel negotiation	MCn 12 NOT MCn 12	O.21 N/A	annex K	[ ]Yes [ ]No [ ]N/A
MCn 12.2	establishment of bearer connection prior to call acceptance, on receipt of a message containing an indication that in-band information is provided	MCn 12 NOT MCn 12	O.21 N/A	annex K	[ ]Yes [ ]No [ ]N/A
MCn 13	message segmentation procedures		O	annex H	[ ]Yes [ ]No
MCn 14	D-channel backup procedure		X	annex F	[ ]Yes [ ]No
MCn 15	procedures for bearer service change		X	annex L	[ ]Yes [ ]No
MCn 16	procedures for the control of packet communications		I	1.1, 3.3, 6	[ ]Yes [ ]No
MCn 17	procedures for the control of circuit-mode multirate connections		O	8	[ ]Yes [ ]No
MCn 18	resolution of call collisions		M	5.7	[ ]Yes [ ]No
MCn 19	handling of error conditions		M	5.8	[ ]Yes [ ]No
MCn 20.1	initiation of a user notification procedure	MCn 6 NOT MCn 6	M N/A	5.9	[ ]Yes [ ]No [ ]N/A
MCn 20.2	forwarding of user notification		M	5.9	[ ]Yes [ ]No
MCn 21.1	forwarding of BC selection request across the network (procedures at the originating side)		O	5.10, 5.11.1	[ ]Yes [ ]No
MCn 21.2	procedures for BC selection at the destination side		O	5.10, 5.11.2, 5.11.3	[ ]Yes [ ]No
MCn 22.1	forwarding of HLC selection request across the network (procedures at the originating side)		O	5.10, 5.12.1	[ ]Yes [ ]No
MCn 22.2	procedures for HLC selection at the destination side		O	5.10, 5.12.2, 5.12.3	[ ]Yes [ ]No
MCn 23.1	status request procedures for "existing services"	TIn 4 NOT TIn 4	M N/A	5.13	[ ]Yes [ ]No [ ]N/A
MCn 23.2	status request procedures for services other than "existing services"	TIn 5 NOT TIn 5	M N/A	5.13	[ ]Yes [ ]No [ ]N/A
O.20	Support of at least one of these options is required.				
O.21	Support of at least one of these options is required.				
Comments:					

A.7.3　Subsidiary capabilities

Indicating support for an item in table A.63 states that the implementation supports special cases or options within a major capability.

Table A.63: Subsidiary capabilities of the network role

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	General				
SCn 3.1	use of a 1 octet call reference value for Basic access	R 6.1 NOT R 6.1	M N/A	4.3	[ ]Yes [ ]No [ ]N/A
SCn 3.2	use of a 2 octet call reference value for Primary rate access	R 6.2 NOT R 6.2	M N/A	4.3	[ ]Yes [ ]No [ ]N/A
SCn 3.3	use of a 1 octet call reference value for Primary rate access	R 6.2 NOT R 6.2	X N/A	4.3	[ ]Yes [ ]No [ ]N/A
	Call establishment at the originating interface				
SCn 101	recognition of the Sending complete information element		M	5.1.1, 5.1.3	[ ]Yes [ ]No
SCn 102	recognition of "#" as a sending complete indication		O	5.1.1, 5.1.3	[ ]Yes [ ]No
	Call establishment at the destination interface				
SCn 110	permanent data link connection (establishment as soon as the TEI is assigned, and retained indefinitely)		O	5.2	[ ]Yes [ ]No
SCn 111	transmission of a sending complete indication		O	5.2.1, 5.2.4	[ ]Yes [ ]No
SCn 112.1	use of the Sending complete information element as the sending complete indication	SCn 111 NOT SCn 111	M N/A	5.2.1, 5.2.4	[ ]Yes [ ]No [ ]N/A
SCn 112.2	use of "#" as the sending complete indication	SCn 111 NOT SCn 111	X N/A	5.2.1	[ ]Yes [ ]No [ ]N/A
SCn 2	the indication "no B-channel available" in the SETUP message to the called user		O	5.2.1, 5.2.3.1	[ ]Yes [ ]No
SCn 113	a limitation on the number of calls presented to the called user with the indication "no B-channel available"	SCn 2 NOT SCn 2	O N/A	5.2.1	[ ]Yes [ ]No [ ]N/A
SCn 4.1	acceptance of only one SETUP ACKNOWLEDGE message from the called user (point-to-point data link case)	MCn 2.4 AND MCn 2.2 NOT MCn 2.4 OR NOT MCn 2.2	M N/A	5.2.4	[ ]Yes [ ]No [ ]N/A
SCn 4.2	acceptance of up to 8 SETUP ACKNOWLEDGE messages from the called user (broadcast data link case)	MCn 2.5 AND MCn 2.2 NOT MCn 2.5 OR NOT MCn 2.2	O.22 N/A	5.2.4	[ ]Yes [ ]No [ ]N/A
SCn 5	clearing of subsequent responding users after the first SETUP ACKNOWLEDGE message (broadcast data link case)	MCn 2.5 AND MCn 2.2 NOT MCn 2.5 OR NOT MCn 2.2	O.22 N/A	5.2.4	[ ]Yes [ ]No [ ]N/A
SCn 6	clearing of non-selected users (on a broadcast data link)	MCn 2.5 NOT MCn 2.5	M N/A	5.2.9	[ ]Yes [ ]No [ ]N/A
	Call clearing				
SCn 120.1	inclusion of a second Cause information element (cause #102 "recovery on timer expiry") in the RELEASE message sent by the network on expiry of T305/T306		O	5.3.4bis	[ ]Yes [ ]No
SCn 120.2	inclusion of a diagnostic field in the second Cause information element (cause #102 "recovery on timer expiry") of the RELEASE message sent by the network on expiry of T305/T306	SCn 120.1 NOT SCn 120.1	O N/A	5.3.4bis	[ ]Yes [ ]No [ ]N/A
	Call rearrangements				
SCn 124	maximum length of 2 octets for the call identity	MCn 6 NOT MCn 6	O N/A	5.6.1	[ ]Yes [ ]No [ ]N/A
	Restart				
SCn 125.1	initiation of restart procedure on "indicated channel"	MCn 5.2 NOT MCn 5.2	M N/A	5.5.1	[ ]Yes [ ]No [ ]N/A
SCn 125.2	initiation of restart procedure on "single interface" (or "all interfaces")	MCn 5.2 NOT MCn 5.2	M N/A	5.5.1	[ ]Yes [ ]No [ ]N/A

(continued)

Table A.63 (continued): Subsidiary capabilities of the network role

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	Handling of error conditions				
SCn 130.1	discarding an "inappropriate" message received in a DL-UNIT DATA-INDICATION primitive (note)		O.23	5.8	[ ]Yes [ ]No
SCn 130.2	processing of an "inappropriate" message received in a DL-UNIT DATA-INDICATION primitive as if it had been received in a DL-DATA-INDICATION primitive (note)		O.23	5.8	[ ]Yes [ ]No
SCn 131.1	call clearing with a RELEASE message, on receiving any message other than SETUP, RELEASE, RELEASE COMPLETE, STATUS, STATUS ENQUIRY, or RESUME with an unrecognizable Call reference value.		O.24	5.8.3.2.a)	[ ]Yes [ ]No
SCn 131.2	call clearing with a RELEASE COMPLETE message, on receiving any message other than SETUP, RELEASE, RELEASE COMPLETE, STATUS, STATUS ENQUIRY, or RESUME with an unrecognizable Call reference value.		O.24	5.8.3.2.a)	[ ]Yes [ ]No
SCn 19	on occurrence of a message type or message sequence error, transmission of a STATUS message		O.25	5.8.4	[ ]Yes [ ]No
SCn 20	on occurrence of a message type or message sequence error, initiation of the status enquiry procedure		O.25	5.8.4, 5.8.10	[ ]Yes [ ]No
SCn 23	processing of information elements regardless of their order in the message		O.26	5.8.5.1	[ ]Yes [ ]No
SCn 24	ignoring out of sequence information elements		O.26	5.8.5.1	[ ]Yes [ ]No
SCn 32	on occurrence of unrecognized information element error with information element not encoded to indicate "comprehension required, transmission of a STATUS message		O	5.8.7.1	[ ]Yes [ ]No
SCn 132	Cause #99 "Information element non-existent or not implemented" with diagnostic(s)		O	note in 5.8.7.1	[ ]Yes [ ]No
SCn 37	on occurrence of non-mandatory information element content error, transmission of a STATUS message		O	5.8.7.2	[ ]Yes [ ]No
SCn 38	truncation and processing of non-mandatory access information elements that are too long		O	5.8.7.2	[ ]Yes [ ]No
SCn 133.1	acceptance, without declaration of a protocol error, of octets 5b, 5c, 5d, 6 and 7 of a received Bearer capability information element (coded as circuit-mode) when these octets cannot be interpreted		O	5.8.6.2	[ ]Yes [ ]No
SCn 133.2	acceptance, without declaration of a protocol error, of a Low layer compatibility information element when this information element cannot be interpreted		O	5.8.7.2	[ ]Yes [ ]No
SCn 133.3	acceptance, without declaration of a protocol error, of a High layer compatibility information element when this information element cannot be interpreted		O	5.8.7.2	[ ]Yes [ ]No
	Data link failure				
SCn 140	use of Cause #41 "temporary failure"		O	5.8.9 a)	[ ]Yes [ ]No
SCn 141.1	re-establishment of the data link connection if DL-RELEASE-INDICATION received after sending SETUP	MCn 2.4 NOT MCn 2.4	O.27 N/A	5.2.1, 5.8.9 a)	[ ]Yes [ ]No [ ]N/A
SCn 141.2	clearing of any calls that are not in the Active state if DL-RELEASE-INDICATION received after sending SETUP	MCn 2.4 MCn 2.5	O.27 M	5.2.1, 5.8.9 a)	[ ]Yes [ ]No
SCn 45.1	transmission of a STATUS message		O.28	5.8.9 b)	[ ]Yes [ ]No
SCn 45.2	initiation of the status enquiry procedure		O.28	5.8.9 b)	[ ]Yes [ ]No
	Status enquiry procedure				
SCn 47	retransmission of STATUS ENQUIRY message one or more times, up to an implementation dependent limit		O	5.8.10	[ ]Yes [ ]No

(continued)

Table A.63 (concluded): Subsidiary capabilities of the network role

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
	Receiving a STATUS message				
SCn 160.1	clearing the call on a call state mismatch		O.29	5.8.11	[ ]Yes [ ]No
SCn 160.2	attempt to recover from a call state mismatch by implementation dependent means		O.29	5.8.11	[ ]Yes [ ]No
	Basic telecommunication service				
SCn 161.1	basic telecommunication service subscription checking (originating network)	R 3.1 NOT R 3.1	O N/A	5.10.1.1	[ ]Yes [ ]No
SCn 161.2	basic telecommunication service subscription checking (destination network)	R 3.1 NOT R 3.1	O N/A	5.10.1.1	[ ]Yes [ ]No
	Multirate procedures				
SCn 170.1	contiguous channel assignment	MCn 17 NOT MCn 17	O.30 N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCn 170.2	non-contiguous channel assignment	MCn 17 NOT MCn 17	O.30 N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCn 171.1	a restriction that the 384 kbit/s rate occupies specified contiguous time slots	MCn 17 AND R 6.2 NOT MCn 17 OR NOT R 6.2	O N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCn 171.2	a restriction that the 1 536 kbit/s rate occupies specified contiguous time slots	MCn 17 AND R 6.2 NOT MCn 17 OR NOT R 6.2	O N/A	8.1.2, 8.2.2	[ ]Yes [ ]No [ ]N/A
SCn 172.1	selection of any other available B-channels associated with the D-channel and on the same access	MCn 17 NOT MCn 17	M N/A	8.1.2, 8.2.2.1	[ ]Yes [ ]No [ ]N/A
SCn 172.2	selection of all the B-channels on another interface controlled by the D-channel	MCn 17 NOT MCn 17	X N/A	8.1.2, 8.2.2.1	[ ]Yes [ ]No [ ]N/A
SCn 173	interworking between circuit-mode multirate bearer capability and other bearer capabilities	MCn 17 NOT MCn 17	X N/A	8.1.3, 8.2.3	[ ]Yes [ ]No [ ]N/A
O.22	Support of one, and only one, of these options is required.				
O.23	Support of one, and only one, of these options is required.				
O.24	Support of at least one of these options is required.				
O.25	Support of at least one of these options is required.				
O.26	Support of at least one of these options is required.				
O.27	Support of at least one of these options is required.				
O.28	Support of at least one of these options is required.				
O.29	Support of at least one of these options is required.				
O.30	Support of at least one of these options is required.				
NOTE:	"Inappropriate" messages are those that are neither a SETUP message nor a message specified to use the data link unacknowledged information transfer service in support of another implemented application.				
Comments:					

A.7.4   Protocol data units

The tables in this subclause ask questions related to the supported PDUs in the network role. In the DSS1 protocol, PDUs are known by the term "messages".

A.7.4.1   Messages received by the network

Indicating support for an item in table A.64 states that the implementation has the ability to recognize the message listed in that item. Support for the receipt of a particular type of PDU means support for recognizing and acting upon all valid instances of that PDU type, including all valid PDU parameters, to the extent required by EN 300 403-1 [1].

Table A.64: Messages received by the network

Item	Message: Does the implementation support the receipt of...	Conditions for status	Status	Reference	Support
MRn 1	ALERTING		M	3.1.1, 5.2.5.2	[ ]Yes [ ]No
MRn 2	CALL PROCEEDING		M	3.1.2, 5.2.5.2	[ ]Yes [ ]No
MRn 4	CONNECT		M	3.1.3, 5.2.7	[ ]Yes [ ]No
MRn 5	CONNECT ACKNOWLEDGE		M	3.1.4, 5.1.8	[ ]Yes [ ]No
MRn 6	DISCONNECT		M	3.1.5, 5.3.3	[ ]Yes [ ]No
MRn 8	INFORMATION		M	3.1.6, 5.1.3	[ ]Yes [ ]No
MRn 9	NOTIFY		M	3.1.7, 5.6.2, 5.6.4, 5.6.7, 5.9	[ ]Yes [ ]No
MRn 10	PROGRESS		M	3.1.8, 5.1.6	[ ]Yes [ ]No
MRn 11	RELEASE		M	3.1.9, 5.3	[ ]Yes [ ]No
MRn 12	RELEASE COMPLETE		M	3.1.10, 5.3	[ ]Yes [ ]No
MRn 13	RESTART	MCn 5.1 NOT MCn 5.1	M N/A	3.4.1, 5.5.2	[ ]Yes [ ]No [ ]N/A
MRn 14	RESTART ACKNOWLEDGE	MCn 5.2 NOT MCn 5.2	M N/A	3.4.2, 5.5.1	[ ]Yes [ ]No [ ]N/A
MRn 15	RESUME	MCn 6 NOT MCn 6	M N/A	3.1.11, 5.6.4	[ ]Yes [ ]No [ ]N/A
MRn 16	RESUME ACKNOWLEDGE		N/A		N/A
MRn 17	RESUME REJECT		N/A		N/A
MRn 18	SEGMENT	MCn 13 NOT MCn 13	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
MRn 19	SETUP		M	3.1.14, 5.1.1	[ ]Yes [ ]No
MRn 20	SETUP ACKNOWLEDGE		M	3.1.15, 5.2.4	[ ]Yes [ ]No
MRn 21	STATUS		M	3.1.16, 3.4.3, 5.8.11	[ ]Yes [ ]No
MRn 22	STATUS ENQUIRY		M	3.1.17, 5.8.10	[ ]Yes [ ]No
MRn 23	SUSPEND	MCn 6 NOT MCn 6	M N/A	3.1.18, 5.6.1	[ ]Yes [ ]No [ ]N/A
MRn 24	SUSPEND ACKNOWLEDGE		N/A		N/A
MRn 25	SUSPEND REJECT		N/A		N/A
Comments:					

A.7.4.2 Messages transmitted by the network

Indicating support for an item in table A.65 states that the implementation has the ability to transmit the message listed in that item.

Table A.65: Messages transmitted by the network

Item	Message: Does the implementation support the transmission of...	Conditions for status	Status	Reference	Support
MTn 1	ALERTING		M	3.1.1, 5.1.7	[ ]Yes [ ]No
MTn 2	CALL PROCEEDING		M	3.1.2, 5.1.5	[ ]Yes [ ]No
MTn 4	CONNECT		M	3.1.3, 5.1.8	[ ]Yes [ ]No
MTn 5	CONNECT ACKNOWLEDGE		M	3.1.4, 5.2.8	[ ]Yes [ ]No
MTn 6	DISCONNECT		M	3.1.5, 5.3.4	[ ]Yes [ ]No
MTn 8	INFORMATION	MCn 2.2 NOT MCn 2.2	M O	3.1.6, 5.2.4	[ ]Yes [ ]No
MTn 9	NOTIFY		M	3.1.7, 5.9	[ ]Yes [ ]No
MTn 10	PROGRESS		M	3.1.8, 5.1.6, 5.2.6, 5.4, annex K	[ ]Yes [ ]No
MTn 11	RELEASE		M	3.1.9, 5.3	[ ]Yes [ ]No
MTn 12	RELEASE COMPLETE		M	3.1.10, 5.3	[ ]Yes [ ]No
MTn 13	RESTART	MCn 5.2 NOT MCn 5.2	M N/A	3.4.1, 5.5.1	[ ]Yes [ ]No [ ]N/A
MTn 14	RESTART ACKNOWLEDGE	MCn 5.1 NOT MCn 5.1	M N/A	3.4.2, 5.5.2	[ ]Yes [ ]No [ ]N/A
MTn 15	RESUME		N/A		N/A
MTn 16	RESUME ACKNOWLEDGE	MCn 6 NOT MCn 6	M N/A	3.1.12, 5.6.4	[ ]Yes [ ]No [ ]N/A
MTn 17	RESUME REJECT	MCn 6 NOT MCn 6	M N/A	3.1.13, 5.6.5	[ ]Yes [ ]No [ ]N/A
MTn 18	SEGMENT	MCn 13 NOT MCn 13	M N/A	annex H	[ ]Yes [ ]No [ ]N/A
MTn 19	SETUP		M	3.1.14, 5.2.1	[ ]Yes [ ]No
MTn 20	SETUP ACKNOWLEDGE		M	3.1.15, 5.1.3	[ ]Yes [ ]No
MTn 21	STATUS		M	3.1.16, 3.4.3, 5.8.10, 5.8.10, 5.8.11	[ ]Yes [ ]No
MTn 22	STATUS ENQUIRY		M	3.1.17, 5.8.10	[ ]Yes [ ]No
MTn 23	SUSPEND		N/A		N/A
MTn 24	SUSPEND ACKNOWLEDGE	MCn 6 NOT MCn 6	M N/A	3.1.19, 5.6.2	[ ]Yes [ ]No [ ]N/A
MTn 25	SUSPEND REJECT	MCn 6 NOT MCn 6	M N/A	3.1.20, 5.6.3	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7.5 PDU parameters

The tables in this subclause ask questions related to the support of PDU parameters in messages received and transmitted by the IUT in the network role. In the DSS1 protocol, PDU parameters are known by the term "information elements".

Subclause A.7.5.1 contains tables relating to messages received by the IUT in the network role. Subclause A.7.5.2 contains tables relating to messages transmitted by the IUT in the network role.

Tables A.66 and A.67 deal with four information elements that appear in all messages that are either received or transmitted (respectively) by the IUT in the network role.

Table A.66: Information elements in all messages received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn-IE29	Protocol discriminator		M	3.1, 4.2	[ ]Yes [ ]No
MRn-IE30	Call reference		M	3.1, 4.3	[ ]Yes [ ]No
MRn-IE31	Message type		M	3.1, 4.4	[ ]Yes [ ]No
MRn-IE25	Shift		M	3.1, 4.5.2, 4.5.3, 4.5.4	[ ]Yes [ ]No
Comments:					

Table A.67: Information elements in all messages transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn-IE29	Protocol discriminator		M	3.1, 4.2	[ ]Yes [ ]No
MTn-IE30	Call reference		M	3.1, 4.3	[ ]Yes [ ]No
MTn-IE31	Message type		M	3.1, 4.4	[ ]Yes [ ]No
MTn-IE25	Shift		O	3.1, 4.5.2, 4.5.3, 4.5.4	[ ]Yes [ ]No
Comments:					

Table A.68 covers those information elements defined by ITU-T Recommendation Q.931, the use of which is not permitted by EN 300 403-1 [1].

Table A.68: Information elements not permitted by EN 300 403-1 [1]

Item	Information element	Conditions for status	Status	Reference	Support
Mn-IE21	Repeat indicator		X	3.3, 4.5.24	[ ]Yes [ ]No
Mn-IE26	Signal		X	4.5.28	[ ]Yes [ ]No
Comments:					

Table A.69 covers those information elements defined by ITU-T Recommendation Q.931, the use of which is outside the scope of EN 300 403-1 [1].

Table A.69: Information elements outside the scope of EN 300 403-1 [1]

Item	Information element	Conditions for status	Status	Reference	Support
Mn-IE17	More data		I	3.3, 4.5.20	[ ]Yes [ ]No
Mn-IE10	Congestion level		I	3.3, 4.5.14	[ ]Yes [ ]No
Mn-IE32	Information rate		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE33	End-to-end transit delay		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE34	Transit delay selection and indication		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE35	Packet layer binary parameters		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE36	Packet layer window size		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE37	Packet size		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE38	Closed user group		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE39	Reverse charge indication		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE40	Redirecting number		I	3.2, 4.6	[ ]Yes [ ]No
Mn-IE28	User-user		I	3.3, 4.5.30	[ ]Yes [ ]No
Comments:					

A.7.5.1 Information elements in messages received by the network

Indicating support for an item in the tables in this subclause states that the implementation has the ability to process the information elements listed in the specified received messages. Such support does not necessarily mean that the indicated information element is included in every instance of the received message.

Table A.70: Information elements in ALERTING received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn1-IE1	Bearer capability	MCn 21.2 NOT MCn 21.2	M N/A	3.1.1, 5.11.3	[ ]Yes [ ]No [ ]N/A
MRn1-IE9	Channel identification		M	3.1.1, 5.2.3	[ ]Yes [ ]No
MRn1-IE20	Progress indicator		M	3.1.1, 5.2.6, 5.11.3, 5.12.3	[ ]Yes [ ]No
MRn1-IE12	Display		N/A		N/A
MRn1-IE14	High layer compatibility (T) (note)	MCn 22.2 NOT MCn 22.2	M N/A	3.1.1, 5.12.3	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to either a) pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity; or b) interpret this information to provide a particular service.				
Comments:					

Table A.71: Information elements in CALL PROCEEDING received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn2-IE1	Bearer capability	MCn 21.2 NOT MCn 21.2	M N/A	3.1.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MRn2-IE9	Channel identification		M	3.1.2, 5.2.3	[ ]Yes [ ]No
MRn2-IE20	Progress indicator		M	3.1.2, 5.2.6, 5.11.3, 5.12.3	[ ]Yes [ ]No
MRn2-IE12	Display		N/A		N/A
MRn2-IE14	High layer compatibility (T) (note)	MCn 22.2 NOT MCn 22.2	M N/A	3.1.2, 5.12.3	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to either a) pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity; or b) interpret this information to provide a particular service.				
Comments:					

Table A.72: Information elements in CONNECT received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn4-IE1	Bearer capability	MCn 21.2 NOT MCn 21.2	M N/A	3.1.3, 5.11.2, 5.11.3	[ ]Yes [ ]No [ ]N/A
MRn4-IE9	Channel identification		M	3.1.3, 5.2.3	[ ]Yes [ ]No
MRn4-IE20	Progress indicator		M	3.1.3, 5.2.6, 5.11.3, 5.12.3	[ ]Yes [ ]No
MRn4-IE12	Display		N/A		N/A
MRn4-IE11	Date/time		N/A		N/A
MRn4-IE16	Low layer compatibility (T) (note 1)		M	3.1.3, annex J	[ ]Yes [ ]No
MRn4-IE14	High layer compatibility (T) (note 2)	MCn 22.2 NOT MCn 22.2	M N/A	3.1.3, 5.12.2	[ ]Yes [ ]No [ ]N/A
NOTE 1:	The support of this parameter implies the ability to either a) pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity; or b) pass this parameter to a non-protocol entity so that it be transported transparently between an addressed entity and call originating entity (during Low layer compatibility negotiation, if allowed).				
NOTE 2:	The support of this parameter implies the ability to either a) pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity; or b) interpret this information to provide a particular service.				
Comments:					

Table A.73: Information elements in CONNECT ACKNOWLEDGE received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn5-IE12	Display		N/A		N/A
Comments:					

Table A.74: Information elements in DISCONNECT received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn6-IE8	Cause (T)		I	3.1.5, 5.3.3	[ ]Yes [ ]No
MRn6-IE20	Progress indicator		N/A		N/A
MRn6-IE12	Display		N/A		N/A
Comments:					

Table A.75: Information elements in INFORMATION received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn8-IE24	Sending complete		M	3.1.6, 5.1.1, 5.1.3	[ ]Yes [ ]No
MRn8-IE8	Cause		N/A		N/A
MRn8-IE12	Display		N/A		N/A
MRn8-IE15	Keypad facility (T) (note)		O	3.1.6, 5, 5.1.3	[ ]Yes [ ]No
MRn8-IE4	Called party number		M	3.1.6, 5.1.1, 5.1.3	[ ]Yes [ ]No
NOTE:	The support of this parameter implies the use of the information supplied in connection with one or more supplementary services.				
Comments:					

Table A.76: Information elements in NOTIFY received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn9-IE19	Notification indicator (T)		I	3.1.7, 5.9	[ ]Yes [ ]No
MRn9-IE12	Display		N/A		N/A
Comments:					

Table A.77: Information elements in PROGRESS received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn10-IE1	Bearer capability	MCn 21.2 NOT MCn 21.2	M N/A	3.1.8, 5.11.3	[ ]Yes [ ]No [ ]N/A
MRn10-IE8	Cause (T)		I	3.1.8	[ ]Yes [ ]No
MRn10-IE20	Progress indicator		M	3.1.8, 5.2.6, 5.11.3, 5.12.3	[ ]Yes [ ]No
MRn10-IE12	Display		N/A		N/A
MRn10-IE14	High layer compatibility (T) (note)	MCn 22.2 NOT MCn 22.2	M N/A	3.1.8, 5.12.3	[ ]Yes [ ]No [ ]N/A
NOTE:	The support of this parameter implies the ability to either a) pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity; or b) interpret this information to provide a particular service.				
Comments:					

Table A.78: Information elements in RELEASE received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn11-IE8	Cause (T)		I	3.1.9, 5.3	[ ]Yes [ ]No
MRn11-IE12	Display		N/A		N/A
Comments:					

Table A.79: Information elements in RELEASE COMPLETE received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn12-IE8	Cause (T)		I	3.1.10, 5.3	[ ]Yes [ ]No
MRn12-IE12	Display		N/A		N/A
Comments:					

Table A.80: Information elements in RESTART received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn13-IE9	Channel identification	MRn 13 NOT MRn 13	M N/A	3.4.1, 5.5	[ ]Yes [ ]No [ ]N/A
MRn13-IE12	Display		N/A		N/A
MRn13-IE22	Restart indicator	MRn 13 NOT MRn 13	M N/A	3.4.1, 5.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.81: Information elements in RESTART ACKNOWLEDGE received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn14-IE9	Channel identification	MRn 14 NOT MRn 14	M N/A	3.4.2, 5.5	[ ]Yes [ ]No [ ]N/A
MRn14-IE12	Display		N/A		N/A
MRn14-IE22	Restart indicator	MRn 14 NOT MRn 14	M N/A	3.4.2, 5.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.82: Information elements in RESUME received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn15-IE2	Call identity	MRn 15 NOT MRn 15	M N/A	3.1.11, 5.6.4, 5.6.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.83: Information elements in SEGMENT received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn18-IE23	Segmented message	MRn 18 NOT MRn 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
MRn18-IEx	"Segment"	MRn 18 NOT MRn 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.84: Information elements in SETUP received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn19-IE24	Sending complete		M	3.1.14, 5.1.1, 5.1.3	[ ]Yes [ ]No
MRn19-IE1	Bearer capability		M	3.1.14, 5.1.1, 5.11.1	[ ]Yes [ ]No
MRn19-IE9	Channel identification		M	3.1.14, 5.1.2	[ ]Yes [ ]No
MRn19-IE20	Progress indicator		M	3.1.14, 5.1.6	[ ]Yes [ ]No
MRn19-IE18	Network specific facilities	MCn 9 NOT MCn 9	M N/A	3.1.14, annex E	[ ]Yes [ ]No [ ]N/A
MRn19-IE12	Display		N/A		N/A
MRn19-IE15	Keypad facility (T) (note 1)		O	3.1.14, 5, 5.1.3	[ ]Yes [ ]No
MRn19-IE6	Calling party number		M	3.1.14	[ ]Yes [ ]No
MRn19-IE7	Calling party subaddress		M	3.1.14	[ ]Yes [ ]No
MRn19-IE4	Called party number		M	3.1.14, 5.1.1, 5.1.3	[ ]Yes [ ]No
MRn19-IE5	Called party subaddress (T) (note 2)		M	3.1.14, 5.1.1, 5.1.3	[ ]Yes [ ]No
MRn19-IE27	Transit network selection	MCn 1.4 NOT MCn 1.4	M N/A	3.1.14, 5.1.10, annex C	[ ]Yes [ ]No [ ]N/A
MRn19-IE16	Low layer compatibility (T) (note 3)		M	3.1.14, annex I, annex J	[ ]Yes [ ]No
MRn19-IE14	High layer compatibility (T) (note 4)		M	3.1.14, 5.12.1	[ ]Yes [ ]No
NOTE 1: The support of this parameter implies the use of the information supplied in connection with one or more supplementary services.					
NOTE 2: The support of this parameter implies the ability to pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity.					
NOTE 3: The support of this parameter implies the ability to either a) pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity; or b) pass this parameter to a non-protocol entity so that it be transported transparently between an addressed entity and call originating entity (during Low layer compatibility negotiation, if allowed).					
NOTE 4: The support of this parameter implies the ability to either a) pass this parameter to a non-protocol entity (e.g. call control) so that it be transported transparently between a call originating entity and the addressed entity; or b) interpret this information to provide a particular service.					
Comments:					

Table A.85: Information elements in SETUP ACKNOWLEDGE received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn20-IE9	Channel identification		M	3.1.15, 5.2.3	[ ]Yes [ ]No
MRn20-IE20	Progress indicator		M	3.1.15, 5.2.6, 5.11.3, 5.12.3	[ ]Yes [ ]No
MRn20-IE12	Display		N/A		N/A
Comments:					

Table A.86: Information elements in STATUS received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn21-IE8	Cause (T)		I	3.1.16, 3.4.3, 5.8.10, 5.8.11	[ ]Yes [ ]No
MRn21-IE3	Call state		M	3.1.16, 3.4.3, 5.8.3.2, 5.8.10, 5.8.11	[ ]Yes [ ]No
MRn21-IE12	Display		N/A		N/A
Comments:					

Table A.87: Information elements in STATUS ENQUIRY received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn22-IE12	Display		N/A		N/A
Comments:					

Table A.88: Information elements in SUSPEND received by the network

Item	Information element	Conditions for status	Status	Reference	Support
MRn23-IE2	Call identity	MRn 23 NOT MRn 23	M N/A	3.1.18, 5.6.1, 5.6.2, 5.6.3	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7.5.2   Information elements in messages transmitted by the network

Indicating support for an item in the tables in this subclause states that the implementation has the ability to generate, and to transmit in the specified message, the information elements listed. Such support does not necessarily mean that the indicated information element is included in every instance of the transmitted message.

Table A.89: Information elements in ALERTING transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn1-IE1	Bearer capability	MCn 21.1 NOT MCn 21.1	M N/A	3.1.1, 5.11.1	[ ]Yes [ ]No [ ]N/A
MTn1-IE9	Channel identification		X		[ ]Yes [ ]No
MTn1-IE20	Progress indicator		M	3.1.1, 5.1.6, 5.11.1, 5.12.1, annex K	[ ]Yes [ ]No
MTn1-IE12	Display		O	3.1.1	[ ]Yes [ ]No
MTn1-IE14	High layer compatibility	MCn 22.1 NOT MCn 22.1	M N/A	3.1.1, 5.12.1	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.90: Information elements in CALL PROCEEDING transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn2-IE1	Bearer capability	MCn 21.1 NOT MCn 21.1	M N/A	3.1.2, 5.11.1	[ ]Yes [ ]No [ ]N/A
MTn2-IE9	Channel identification		M	3.1.2, 5.1.2	[ ]Yes [ ]No
MTn2-IE20	Progress indicator		M	3.1.2, 5.1.6, 5.11.1, 5.12.1	[ ]Yes [ ]No
MTn2-IE12	Display		O	3.1.2	[ ]Yes [ ]No
MTn2-IE14	High layer compatibility	MCn 22.1 NOT MCn 22.1	M N/A	3.1.2, 5.12.1	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.91: Information elements in CONNECT transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn4-IE1	Bearer capability	MCn 21.1 NOT MCn 21.1	M N/A	3.1.3, 5.11.1	[ ]Yes [ ]No [ ]N/A
MTn4-IE9	Channel identification		X		[ ]Yes [ ]No
MTn4-IE20	Progress indicator		M	3.1.3, 5.1.6, 5.11.1, 5.12.1	[ ]Yes [ ]No
MTn4-IE12	Display		O	3.1.3	[ ]Yes [ ]No
MTn4-IE11	Date/time		O	3.1.3	[ ]Yes [ ]No
MTn4-IE16	Low layer compatibility		O	3.1.3, annex J	[ ]Yes [ ]No
MTn4-IE14	High layer compatibility	MCn 22.1 NOT MCn 22.1	M N/A	3.1.3, 5.12.1	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.92: Information elements in CONNECT ACKNOWLEDGE transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn5-IE12	Display		O	3.1.4	[ ]Yes [ ]No
Comments:					

Table A.93: Information elements in DISCONNECT transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn6-IE8	Cause		M	3.1.5, 5.3.4	[ ]Yes [ ]No
MTn6-IE20	Progress indicator		M	3.1.5, 5.3.4.1,	[ ]Yes [ ]No
MTn6-IE12	Display		O	3.1.5	[ ]Yes [ ]No
Comments:					

Table A.94: Information elements in INFORMATION transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn8-IE24	Sending complete	MTn 8 AND SCn 112.1 NOT MTn 8 OR NOT SCn 112.1	O N/A	3.1.6, 5.2.4	[ ]Yes [ ]No [ ]N/A
MTn8-IE8	Cause	MTn 8 NOT MTn 8	O N/A	3.1.6	[ ]Yes [ ]No [ ]N/A
MTn8-IE12	Display	MTn 8 NOT MTn 8	O N/A	3.1.6	[ ]Yes [ ]No [ ]N/A
MTn8-IE15	Keypad facility	MTn 8 NOT MTn 8	O N/A	3.1.6	[ ]Yes [ ]No [ ]N/A
MTn8-IE4	Called party number	MTn 8 NOT MTn 8	M N/A	3.1.6, 5.2.4	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.95: Information elements in NOTIFY transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn9-IE19	Notification indicator		M	3.1.7, 5.6.2, 5.6.4, 5.9	[ ]Yes [ ]No
MTn9-IE12	Display		O	3.1.7	[ ]Yes [ ]No
Comments:					

Table A.96: Information elements in PROGRESS transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn10-IE1	Bearer capability	MCn 21.1 NOT MCn 21.1	M N/A	3.1.8, 5.11.1	[ ]Yes [ ]No [ ]N/A
MTn10-IE8	Cause		O	3.1.8	[ ]Yes [ ]No
MTn10-IE20	Progress indicator		M	3.1.8, 5.1.6, 5.2.6, 5.11.1, 5.12.1	[ ]Yes [ ]No
MTn10-IE12	Display		O	3.1.8	[ ]Yes [ ]No
MTn10-IE14	High layer compatibility	MCn 22.1 NOT MCn 22.1	M N/A	3.1.8, 5.12.1	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.97: Information elements in RELEASE transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn11-IE8	Cause		M	3.1.9, 5.3	[ ]Yes [ ]No
MTn11-IE12	Display		O	3.1.9	[ ]Yes [ ]No
Comments:					

Table A.98: Information elements in RELEASE COMPLETE transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn12-IE8	Cause		M	3.1.10, 5.3	[ ]Yes [ ]No
MTn12-IE12	Display		O	3.1.10	[ ]Yes [ ]No
Comments:					

Table A.99: Information elements in RESTART transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn13-IE9	Channel identification	MTn 13 NOT MTn 13	M N/A	3.4.1, 5.5	[ ]Yes [ ]No [ ]N/A
MTn13-IE12	Display	MTn 13 NOT MTn 13	O N/A	3.4.1	[ ]Yes [ ]No [ ]N/A
MTn13-IE22	Restart indicator	MTn 13 NOT MTn 13	M N/A	3.4.1, 5.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.100: Information elements in RESTART ACKNOWLEDGE transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn14-IE9	Channel identification	MTn 14 NOT MTn 14	M N/A	3.4.2, 5.5	[ ]Yes [ ]No [ ]N/A
MTn14-IE12	Display	MTn 14 NOT MTn 14	O N/A	3.4.2	[ ]Yes [ ]No [ ]N/A
MTn14-IE22	Restart indicator	MTn 14 NOT MTn 14	M N/A	3.4.2, 5.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.101: Information elements in RESUME ACKNOWLEDGE transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn16-IE9	Channel identification	MTn 16 NOT MTn 16	M N/A	3.1.12, 5.6.4	[ ]Yes [ ]No [ ]N/A
MTn16-IE12	Display	MTn 16 NOT MTn 16	O N/A	3.1.12	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.102: Information elements in RESUME REJECT transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn17-IE8	Cause	MTn 17 NOT MTn 17	M N/A	3.1.13, 5.6.5	[ ]Yes [ ]No [ ]N/A
MTn17-IE12	Display	MTn 17 NOT MTn 17	O N/A	3.1.13	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.103: Information elements in SEGMENT transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn18-IE23	Segmented message	MTn 18 NOT MTn 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
MTn18-IEx	"Segment"	MTn 18 NOT MTn 18	M N/A	3.5.1, annex H	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.104: Information elements in SETUP transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn19-IE24	Sending complete	SCn 112.1 NOT SCn 112.1	M N/A	3.1.14, 5.2.1	[ ]Yes [ ]No [ ]N/A
MTn19-IE1	Bearer capability		M	3.1.14, 5.2.1	[ ]Yes [ ]No
MTn19-IE9	Channel identification		M	3.1.14, 5.2.3	[ ]Yes [ ]No
MTn19-IE20	Progress indicator		M	3.1.14, 5.2.6	[ ]Yes [ ]No
MTn19-IE18	Network specific facilities		O	3.1.14, annex E	[ ]Yes [ ]No
MTn19-IE12	Display		O	3.1.14, 5.2.1	[ ]Yes [ ]No
MTn19-IE15	Keypad facility		O		[ ]Yes [ ]No
MTn19-IE6	Calling party number		O	3.1.14	[ ]Yes [ ]No
MTn19-IE7	Calling party subaddress		O	3.1.14	[ ]Yes [ ]No
MTn19-IE4	Called party number		M	3.1.14, 5.2.1, 5.2.2, 5.2.3, 5.2.4	[ ]Yes [ ]No
MTn19-IE5	Called party subaddress		M	3.1.14	[ ]Yes [ ]No
MTn19-IE27	Transit network selection		X		[ ]Yes [ ]No
MTn19-IE16	Low layer compatibility		M	3.1.14, 5.2.1, annex I, annex J	[ ]Yes [ ]No
MTn19-IE14	High layer compatibility		M	3.1.14, 5.2.1, 5.12.1	[ ]Yes [ ]No
MRn19-IE11	Date/time (T)		I	3.1.14	[ ]Yes [ ]No
Comments:					

Table A.105: Information elements in SETUP ACKNOWLEDGE transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn20-IE9	Channel identification		M	3.1.15, 5.1.2	[ ]Yes [ ]No
MTn20-IE20	Progress indicator		M	3.1.15, 5.1.6, 5.11.1, 5.12.1, annex K	[ ]Yes [ ]No
MTn20-IE12	Display		O	3.1.15	[ ]Yes [ ]No
Comments:					

Table A.106: Information elements in STATUS transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn21-IE8	Cause		M	3.1.16, 3.4.3, 5.8	[ ]Yes [ ]No
MTn21-IE3	Call state		M	3.1.16, 3.4.3, 5.8	[ ]Yes [ ]No
MTn21-IE12	Display		O	3.1.16	[ ]Yes [ ]No
Comments:					

Table A.107: Information elements in STATUS ENQUIRY transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn22-IE12	Display		O	3.1.17	[ ]Yes [ ]No
Comments:					

Table A.108: Information elements in SUSPEND ACKNOWLEDGE transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn24-IE12	Display	MTn 24 NOT MTn 24	O N/A	3.1.19	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.109: Information elements in SUSPEND REJECT transmitted by the network

Item	Information element	Conditions for status	Status	Reference	Support
MTn25-IE8	Cause	MTn 25 NOT MTn 25	M N/A	3.1.20, 5.6.3	[ ]Yes [ ]No [ ]N/A
MTn25-IE12	Display	MTn 25 NOT MTn 25	O N/A	3.1.20	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7.6   Timers

Indicating support for an item in table A.110 states that the implementation has a timer that operates in accordance with the description in clause 9 of ITU-T Recommendation Q.931 as modified by EN 300 403-1 [1] and with the relevant behaviour specified in clause 5 of ITU-T Recommendation Q.931 as modified by EN 300 403-1 [1].

Table A.110 indicates the permitted range of values for each timer. The supplier shall state the values supported by their implementation.

Table A.110: Timers in the network role

Item	Timer: Does the implementation support...	Conditions for status	Status	Reference	Support	Values allowed	Value supported
TMn 1	T301	NOT TIn 6 TIn 6	M N/A	Table 9.1	[ ]Yes [ ]No [ ]N/A	> 180 s	
TMn 2	T302		M	Table 9.1	[ ]Yes [ ]No	10 - 15 s	
TMn 3	T303		M	Table 9.1	[ ]Yes [ ]No	4 s	
TMn 4	T304	MCn 2.2 NOT MCn 2.2	M N/A	Table 9.1	[ ]Yes [ ]No [ ]N/A	20 s	
TMn 5	T305		M	Table 9.1	[ ]Yes [ ]No	30 s	
TMn 6	T306	MCn 1.5 NOT MCn 1.5	M N/A	Table 9.1	[ ]Yes [ ]No [ ]N/A	30 s	
TMn 7	T307		M	Table 9.1	[ ]Yes [ ]No	180 s	
TMn 8	T308		M	Table 9.1	[ ]Yes [ ]No	4 s	
TMn 9	T309		M	Table 9.1	[ ]Yes [ ]No	6 - 12 s (note)	
TMn 10	T310		M	Table 9.1	[ ]Yes [ ]No	30 - 40 s	
TMn 11	T312		M	Table 9.1	[ ]Yes [ ]No	T303 + 2 s	
TMn 13	T314	MCn 13 NOT MCn 13	M N/A	Table 9.1	[ ]Yes [ ]No [ ]N/A	4 s	
TMn 14	T316	MCn 5.2 NOT MCn 5.2	M N/A	Table 9.1	[ ]Yes [ ]No [ ]N/A	120 s	
TMn 15	T317	MCn 5.1 NOT MCn 5.1	M N/A	Table 9.1	[ ]Yes [ ]No [ ]N/A	< T316	
TMn 18	T321		I		[ ]Yes [ ]No	N/A	N/A
TMn 19	T322		M	Table 9.1	[ ]Yes [ ]No	4 s	
TMn 20	T320		I		[ ]Yes [ ]No	N/A	N/A
NOTE: The value of T309 is calculated according to the formula: T309 = (N200 + 1) × T200 + 2 s.							
Comments:							

A.7.7 Compatibility information elements structure

Table A.111 shall be completed in order to evaluate the chance of interoperability of two implementations.

NOTE: Because LLC and HLC are transferred transparently by the network, there is no table dealing with them.

Table A.111: Bearer capability structure

Item	Information element field	Status	Values	Support
ISn 1.1	Octet 3 bits 6 and 7, coding standard	M		[ ]Yes [ ]No
	1. CCITT standardized coding	M	0	[ ]Yes [ ]No
	2. ISO/IEC standard	N/A	1	
	3. National standard	N/A	2	
	4. Network specific standard	N/A	3	
ISn 1.2	Octet 3 bits 1 to 5, information transfer capability	M		[ ]Yes [ ]No
	1. Speech	O	0	[ ]Yes [ ]No
	2. Unrestricted digital	O	8	[ ]Yes [ ]No
	3. Restricted digital	N/A	9	
	4. 3,1 kHz audio	O	16	[ ]Yes [ ]No
	5. Unrestricted digital information with tones/announcements	O	17	[ ]Yes [ ]No
	6. Video	N/A	24	
ISn 1.3	Octet 4 bits 6 and 7, transfer mode	M		[ ]Yes [ ]No
	1. Circuit	O	0	[ ]Yes [ ]No
	2. Packet	N/A	2	
ISn 1.4	Octet 4 bits 1 to 5, information transfer rate	M		[ ]Yes [ ]No
	1. 64 kbit/s	O	16	[ ]Yes [ ]No
	2. 2 x 64 kbit/s	N/A	17	
	3. 384 kbit/s	N/A	19	
	4. 1 536 kbit/s	N/A	21	
	5. 1 920 kbit/s	N/A	23	
	6. Multirate	O	24	[ ]Yes [ ]No
ISn 1.9	Octet 4.1 Rate multiplier	O	2 up to the maximum number of B-channels	Values:
ISn 1.10	Octet 5 bits 1 to 5, user information layer 1 protocol	O		[ ]Yes [ ]No
	1. V.110/X.30	O	1	[ ]Yes [ ]No
	2. G.711 μ-law	N/A	2	
	3. G.711 A-law	O	3	[ ]Yes [ ]No
	4. G.721 32 kbit/s ADPCM and I.460	O	4	[ ]Yes [ ]No
	5. G.722 and G.725 7kHz audio	O	5	[ ]Yes [ ]No
	6. Non-CCITT rate adaption	O	7	[ ]Yes [ ]No
	7. V.120	O	8	[ ]Yes [ ]No
	8. X.31 HDLC	O	9	[ ]Yes [ ]No
ISn 1.11	Octet 5a bit 7, synchronous/asynchronous	O		[ ]Yes [ ]No
	1. Synchronous	O	0	[ ]Yes [ ]No
	2. Asynchronous	O	1	[ ]Yes [ ]No
ISn 1.12	Octet 5a bit 6, negotiation indicator	O		[ ]Yes [ ]No
	1. In-band negotiation not possible	O	0	[ ]Yes [ ]No
	2. In-band negotiation possible	O	1	[ ]Yes [ ]No
ISn 1.13	Octet 5a bits 1 to 5, user rate	O		[ ]Yes [ ]No
	1. Rate indicated by E bits (I.460)	O	0	[ ]Yes [ ]No
	2. 0,6 kbit/s CCITT V.6 and X.1	O	1	[ ]Yes [ ]No
	3. 1,2 kbit/s CCITT V.6	O	2	[ ]Yes [ ]No
	4. 2,4 kbit/s CCITT V.6 and X.1	O	3	[ ]Yes [ ]No
	5. 3,6 kbit/s CCITT V.6	O	4	[ ]Yes [ ]No
	6. 4,8 kbit/s CCITT V.6 and X.1	O	5	[ ]Yes [ ]No
	7. 7,2 kbit/s CCITT V.6	O	6	[ ]Yes [ ]No
	8. 8 kbit/s CCITT I.460	O	7	[ ]Yes [ ]No
	9. 9,6 kbit/s CCITT V.6 and X.1	O	8	[ ]Yes [ ]No
	10. 14,4 kbit/s CCITT V.6	O	9	[ ]Yes [ ]No
	11. 16 kbit/s CCITT I.460	O	10	[ ]Yes [ ]No
	12. 19,2 kbit/s CCITT V.6	O	11	[ ]Yes [ ]No
	13. 32 kbit/s CCITT I.460	O	12	[ ]Yes [ ]No
	13a. 38,4 kbit/s CCITT V.110	O	13	[ ]Yes [ ]No
	14. 48 kbit/s CCITT V.6 and X.1	O	14	[ ]Yes [ ]No
	15. 56 kbit/s CCITT V.6	O	15	[ ]Yes [ ]No
	16. 64 kbit/s CCITT X.1	O	16	[ ]Yes [ ]No
	16a. 57,6 kbit/s CCITT V.14 extended	O	18	[ ]Yes [ ]No
	16b. 28,8 kbit/s CCITT V.110	O	19	[ ]Yes [ ]No

(continued)

Table A.111 (continued): Bearer capability structure

Item	Information element field	Status	Values	Support
	17. 0,1345 kbit/s CCITT X.1	O	21	[ ]Yes [ ]No
	18. 0,100 kbit/s CCITT X.1	O	22	[ ]Yes [ ]No
	19. 0,075/1,2 kbit/s CCITT V.6 and X.1	O	23	[ ]Yes [ ]No
	20. 1,2/0,075 kbit/s CCITT V.6 and X.1	O	24	[ ]Yes [ ]No
	21. 0,050 kbit/s CCITT V.6 and X.1	O	25	[ ]Yes [ ]No
	22. 0,075 kbit/s CCITT V.6 and X.1	O	26	[ ]Yes [ ]No
	23. 0,110 kbit/s CCITT V.6 and X.1	O	27	[ ]Yes [ ]No
	24. 0,150 kbit/s CCITT V.6 and X.1	O	28	[ ]Yes [ ]No
	25. 0,200 kbit/s CCITT V.6 and X.1	O	29	[ ]Yes [ ]No
	26. 0,300 kbit/s CCITT V.6 and X.1	O	30	[ ]Yes [ ]No
	27. 12 kbit/s CCITT V.6	O	31	[ ]Yes [ ]No
	Octet 5b, for V.110/X.30 rate adaption			
ISn 1.14	Octet 5b bits 6 and 7, intermediate rate	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 8 kbit/s	O	1	[ ]Yes [ ]No
	3. 16 kbit/s	O	2	[ ]Yes [ ]No
	4. 32 kbit/s	O	3	[ ]Yes [ ]No
ISn 1.15	Octet 5b bit 5, Network Independent Clock (NIC) on transmission	O		[ ]Yes [ ]No
	1. Not required to send data with NIC	O	0	[ ]Yes [ ]No
	2. Required to send data with NIC	O	1	[ ]Yes [ ]No
ISn 1.16	Octet 5b bit 4, NIC on reception	O		[ ]Yes [ ]No
	1. Cannot accept data with NIC	O	0	[ ]Yes [ ]No
	2. Can accept data with NIC	O	1	[ ]Yes [ ]No
ISn 1.17	Octet 5b bit 3, flow control on transmission	O		[ ]Yes [ ]No
	1. Not required to send data with flow control	O	0	[ ]Yes [ ]No
	2. Required to send data with flow control	O	1	[ ]Yes [ ]No
ISn 1.18	Octet 5b bit 2, flow control on reception	O		[ ]Yes [ ]No
	1. Cannot accept data with flow control mechanism	O	0	[ ]Yes [ ]No
	2. Can accept data with flow control mechanism	O	1	[ ]Yes [ ]No
	Octet 5b, for V.120 rate adaption			
ISn 1.19	Octet 5b bit 7, rate adaption header/no header	O		[ ]Yes [ ]No
	1. rate adaption header not included	O	0	[ ]Yes [ ]No
	2. rate adaption header included	O	1	[ ]Yes [ ]No
ISn 1.20	Octet 5b bit 6, multiple frame establishment support in data link	O		[ ]Yes [ ]No
	1. multiple frame establishment not supported	O	0	[ ]Yes [ ]No
	2. multiple frame establishment supported	O	1	[ ]Yes [ ]No
ISn 1.21	Octet 5b bit 5, mode of operation	O		[ ]Yes [ ]No
	1. bit transparent mode of operation	O	0	[ ]Yes [ ]No
	2. protocol sensitive mode of operation	O	1	[ ]Yes [ ]No
ISn 1.22	Octet 5b bit 4, logical link identifier negotiation	O		[ ]Yes [ ]No
	1. default, LLI = 256 only	O	0	[ ]Yes [ ]No
	2. full protocol negotiation (see octet 5b, bit 2)	O	1	[ ]Yes [ ]No
ISn 1.23	Octet 5b bit 3, assignor/assignee	O		[ ]Yes [ ]No
	1. message originator is "Default assignee"	O	0	[ ]Yes [ ]No
	2. message originator is "Assignor only"	O	1	[ ]Yes [ ]No
ISn 1.24	Octet 5b bit 2, In-band/Out-band negotiation	O		[ ]Yes [ ]No
	1. negotiation is done with USER INFORMATION messages on a temporary signalling connection	O	0	[ ]Yes [ ]No
	2. negotiation is done in-band using logical link zero	O	1	[ ]Yes [ ]No
ISn 1.25	Octet 5c bits 6 and 7, number of stop bits?	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 1 bit	O	1	[ ]Yes [ ]No
	3. 1,5 bits	O	2	[ ]Yes [ ]No
	4. 2 bits	O	3	[ ]Yes [ ]No
ISn 1.26	Octet 5c bits 4 and 5, number of data bits excluding parity	O		[ ]Yes [ ]No
	1. Not used	O	0	[ ]Yes [ ]No
	2. 5 bits	O	1	[ ]Yes [ ]No
	3. 7 bits	O	2	[ ]Yes [ ]No
	4. 8 bits	O	3	[ ]Yes [ ]No
ISn 1.27	Octet 5c bits 1 to 3, parity information	O		[ ]Yes [ ]No
	1. Odd	O	0	[ ]Yes [ ]No
	2. Even	O	2	[ ]Yes [ ]No
	3. None	O	3	[ ]Yes [ ]No
	4. Forced to 0	O	4	[ ]Yes [ ]No
	5. Forced to 1	O	5	[ ]Yes [ ]No

(continued)

Table A.111 (concluded): Bearer capability structure

Item	Information element field	Status	Values	Support
ISn 1.28	Octet 5d bit 7, duplex mode	O		[ ]Yes [ ]No
	1. Half duplex	O	0	[ ]Yes [ ]No
	2. Full duplex	O	1	[ ]Yes [ ]No
ISn 1.29	Octet 5d bits 1 to 6, modem type	O		[ ]Yes [ ]No
	1. V.21	O	17	[ ]Yes [ ]No
	2. V.22	O	18	[ ]Yes [ ]No
	3. V.22 bis	O	19	[ ]Yes [ ]No
	4. V.23	O	20	[ ]Yes [ ]No
	5. V.26	O	21	[ ]Yes [ ]No
	6. V.26 bis	O	22	[ ]Yes [ ]No
	7. V.26 ter	O	23	[ ]Yes [ ]No
	8. V.27	O	24	[ ]Yes [ ]No
	9. V.27 bis	O	25	[ ]Yes [ ]No
	10. V.27 ter	O	26	[ ]Yes [ ]No
	11. V.29	O	27	[ ]Yes [ ]No
	12. V.32	O	28	[ ]Yes [ ]No
	13. V.34	O	30	[ ]Yes [ ]No
ISn 1.30	Octet 6 bits 1 to 5, user information layer 2 protocol	O		[ ]Yes [ ]No
	1. Q.921	O	2	[ ]Yes [ ]No
	2. X.25 link level	O	6	[ ]Yes [ ]No
ISn 1.31	Octet 7 bits 1 to 5, user information layer 3 protocol	O		[ ]Yes [ ]No
	1. Q.931	O	2	[ ]Yes [ ]No
	2. X.25 packet layer	O	6	[ ]Yes [ ]No
Comments:				

A.7.8   Numbering information elements structure

The following tables concern the Calling Party Number and Called Party Number information elements. These tables shall be completed in order to evaluate the chance of interoperability of two implementations.

Table A.112: Calling party number information element in SETUP received by the network

Item	Does the implementation support Calling party number information element parameters and values...	Conditions for status	Status	Values	Support
CGPrn 1.1	TON (octet 3)		M		[ ]Yes [ ]No
CGPrn 1.2	NPI (octet 3)		M		[ ]Yes [ ]No
CGPrn 1.3	Presentation indicator (octet 3a)		M		[ ]Yes [ ]No
CGPrn 1.4	Screening indicator (octet 3a)		M		[ ]Yes [ ]No
CGPrn 1.5	Number digits (octet 4 onwards)		M	Up to 20 digits; max. value supported:	[ ]Yes [ ]No
Comments:					

Table A.113: Calling party number information element in SETUP transmitted by the network

Item	Does the implementation support Calling party number information element parameters...	Conditions for status	Status	Values	Support
CGPtn 1.1	TON (octet 3)	MTn 19-IE6 NOT MTn 19-IE6	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		X	6	[ ]Yes [ ]No
CGPtn 1.2	NPI (octet 3)	MTn 19-IE6 NOT MTn 19-IE6	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CGPtn 1.3	Presentation indicator (octet 3a)	MTn 19-IE6 NOT MTn 19-IE6	O N/A		[ ]Yes [ ]No [ ]N/A
	1. Presentation allowed		O	0	[ ]Yes [ ]No
	2. Presentation restricted		O	1	[ ]Yes [ ]No
	3. Number not available due to interworking		O	2	[ ]Yes [ ]No
CGPtn 1.4	Screening indicator (octet 3a)	MTn 19-IE6 NOT MTn 19-IE6	O N/A		[ ]Yes [ ]No [ ]N/A
	1. User-provided, not screened		O	0	[ ]Yes [ ]No
	2. User-provided, verified and passed		O	1	[ ]Yes [ ]No
	3. User-provided, verified and failed		X	2	[ ]Yes [ ]No
	4. Network provided		O	3	[ ]Yes [ ]No
CGPtn 1.5	Number digits (octet 4 onwards)	MTn 19-IE6 NOT MTn 19-IE6	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.114: Called party number information element in SETUP received by the network

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP1rn 1.1	TON (octet 3)		M		[ ]Yes [ ]No
CDP1rn 1.2	NPI (octet 3)		M		[ ]Yes [ ]No
CDP1rn 1.3	Number digits (octet 4 onwards)		M	Up to 20 digits; max. value supported:	[ ]Yes [ ]No
Comments:					

Table A.115: Called party number information element in SETUP transmitted by the network

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP1tn 1.1	TON (octet 3)		M		[ ]Yes [ ]No
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		O	6	[ ]Yes [ ]No
CDP1tn 1.2	NPI (octet 3)		M		[ ]Yes [ ]No
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CDP1tn 1.3	Number digits (octet 4 onwards)		O	Up to 20 digits; max. value supported:	[ ]Yes [ ]No
Comments:					

Table A.116: Called party number information element in INFORMATION received by the network

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP2rn 1.1	TON (octet 3)		M		[ ]Yes [ ]No
CDP2rn 1.2	NPI (octet 3)		M		[ ]Yes [ ]No
CDP2rn 1.3	Number digits (octet 4 onwards)		M	Up to 20 digits; max. value supported:	[ ]Yes [ ]No
Comments:					

Table A.117: Called party number information element in INFORMATION transmitted by the network

Item	Does the implementation support Called party number information element parameters...	Conditions for status	Status	Values	Support
CDP2tn 1.1	TON (octet 3)	MTn 8-IE4 NOT MTn 8-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. International number		O	1	[ ]Yes [ ]No
	3. National number		O	2	[ ]Yes [ ]No
	4. Network specific number		O	3	[ ]Yes [ ]No
	5. Subscriber number		O	4	[ ]Yes [ ]No
	6. Abbreviated number		O	6	[ ]Yes [ ]No
CDP2tn 1.2	NPI (octet 3)	MTn 8-IE4 NOT MTn 8-IE4	M N/A		[ ]Yes [ ]No [ ]N/A
	1. Unknown		O	0	[ ]Yes [ ]No
	2. ISDN/telephony numbering plan		O	1	[ ]Yes [ ]No
	3. Data numbering plan		O	3	[ ]Yes [ ]No
	4. Telex numbering plan		O	4	[ ]Yes [ ]No
	5. National standard numbering plan		O	8	[ ]Yes [ ]No
	6. Private numbering plan		O	9	[ ]Yes [ ]No
CDP2tn 1.3	Number digits (octet 4 onwards)	MTn 8-IE4 NOT MTn 8-IE4	O N/A	Up to 20 digits; max. value supported:	[ ]Yes [ ]No [ ]N/A
Comments:					

Annex B (informative):
Differences from PICS proforma for ETS 300 102-1

This annex identifies the differences between the PICS proforma contained in annex A of the present document and the PICS proforma for the earlier version of the DSS1 protocol defined in ETS 300 102-1. In the context of this annex, the PICS proforma for the earlier version of the DSS1 protocol are referred to as the "earlier PICS proforma", and the PICS proforma contained in annex A of the present document is referred to as the "combined PICS proforma".

B.1   Identification of relevant standards

The earlier version of the DSS1 protocol is defined in ETS 300 102-1. The earlier PICS proforma are contained in I-ETS 300 314, I-ETS 300 315, I-ETS 300 316, and I-ETS 300 317 (annex C contains the titles of these standards).

B.2   Differences

1) In the earlier PICS proforma, proforma for the user role and the network role were provided in separate standards. In the present document, the two roles are covered in a single proforma (albeit in two separate sets of tables). One consequence of this is the introduction of the new PICS questions R 2.1 and R 2.2 relating to the role being performed by the IUT. A second consequence is the addition of a suffix, "u" or "n" to the item references to indicate whether the item applies to the user role or the network role.

2) In the earlier PICS proforma, proforma for the Basic access and the Primary rate access were provided in separate standards. In the present document, the two accesses are covered in a single proforma. One consequence of this is the introduction of the new PICS questions R 6.1 and R 6.2 relating to the interfaces supported by the IUT.

3) In the earlier PICS proforma, variations between the procedures applicable at the coincident S and T reference point and the procedures applicable at the T reference point were taken care of by including the condition as part of the PICS question. In the combined proforma, specific questions have been included (R 3.1 and R 3.2) to deal with this aspect.

4) Backwards compatibility with the numbering system for items in the earlier PICS proforma has been retained as far as possible (see subclause A.1.2). However, in the tables for subsidiary capabilities many new questions have been added. Questions with item references of the form "SC xx", where "xx" is less than 50 are in general backwards compatible with the earlier PICS proforma. Questions with item references where "xx" is greater than 100 are new questions that have no equivalent in the earlier PICS proforma.

5) The statii "N/A 1", "N/A 2", and "N/A", used in the earlier PICS proforma, have been deleted. Where appropriate, the ISO/IEC 9646-7 [4] statii "X" (prohibited or eXcluded) and "I" (Irrelevant or out-of-scope) have been used instead.

6) The information element tables from the earlier PICS proforma have been replaced by a more detailed set of PDU parameter tables.

7) The questions relating to call states have been removed.

8) The questions relating to the structure of the HLC and LLC information elements have been removed for the network.

9) The questions relating to the structure of the Channel Identification information element have been removed. Questions about channel selection have been added in the subsidiary capabilities tables.

Annex C (informative):
Bibliography

- ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".

- I-ETS 300 314: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma for signalling network layer protocol for circuit-mode basic call control (basic access, user)".

- I-ETS 300 315: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma for signalling network layer protocol for circuit-mode basic call control (primary rate access, user)".

- I-ETS 300 316: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma for signalling network layer protocol for circuit-mode basic call control (basic access, network)".

- I-ETS 300 317: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma for signalling network layer protocol for circuit-mode basic call control (primary rate access, network)".

- ITU-T Recommendation Q.931 (1993): "Digital Subscriber Signalling System No. 1 (DSS 1) - ISDN user-network interface layer 3 specification for basic call control".

History

Document history				
Edition 1	September 1996	Publication as ETS 300 403-3		
V1.2.1	April 1997	Public Enquiry	PE 9733:	1997-04-18 to 1997-08-15
V1.2.2	January 1998	Vote	V 9813:	1998-01-27 to 1998-03-27