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European Standard (Telecommunications series)

**Broadband Integrated Services Digital Network (B-ISDN);
Digital Subscriber Signalling System No. two (DSS2) protocol;
Signalling specification for frame relay service;
Part 2: Protocol Implementation Conformance
Statement (PICS) proforma specification**



Reference

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Contents

Intellectual Property Rights.....	5
Foreword	5
Introduction	5
1 Scope.....	6
2 References.....	6
3 Definitions and abbreviations	7
3.1 Definitions	7
3.2 Abbreviations.....	7
4 Conformance to this PICS proforma specification	7
Annex A (normative): PICS proforma for EN 301 174-1	8
A.1 Guidance for completing the PICS proforma.....	8
A.1.1 Purposes and structure	8
A.1.2 Abbreviations and conventions	9
A.1.3 Instructions for completing the PICS proforma	11
A.2 Identification of the implementation.....	11
A.2.1 Date of the statement	11
A.2.2 Implementation under test identification.....	11
A.2.3 System under test identification	11
A.2.4 Product supplier	12
A.2.5 Client (if different from product supplier)	12
A.2.6 PICS contact person.....	13
A.3 Identification of the protocol	13
A.4 Global statement of conformance	13
A.5 Roles.....	13
A.6 User role.....	14
A.6.1 Major capabilities	14
A.6.2 Subsidiary capabilities	14
A.6.3 PDUs.....	14
A.6.4 PDU parameters received by the user	14
A.6.5 PDU parameters sent by the user	15
A.6.6 Structure of protocol data unit parameters received by the user	16
A.6.7 Structure of protocol data unit parameters sent by the user	17
A.6.8 Timers.....	17
A.6.9 Call states.....	17
A.7 Network role	18
A.7.1 Major capabilities	18
A.7.2 Subsidiary capabilities	18
A.7.3 PDUs.....	18
A.7.4 PDU parameters received by the network.....	18
A.7.5 PDU parameters sent by the network.....	19
A.7.6 Structure of Protocol Data Unit Parameters received by the network.....	19
A.7.7 Structure of Protocol Data Unit Parameters sent by the network.....	20
A.7.8 Timers.....	21
A.7.9 Call states.....	21

Annex B (normative):	Requirements list	22
B.1	User	22
B.1.1	Requirements on items used in the basic call PICS	22
B.2	Network.....	23
B.2.1	Requirements on items used in the basic call PICS	23
History		24

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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.

The present document is part 2 of a multi-part standard covering the Digital Subscriber Signalling System No. two (DSS2) protocol specification for the Broadband Integrated Services Digital Network Frame Relaying bearer service as described below:

- Part 1: "Protocol specification";
- Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";**
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";
- Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

NOTE: The final structure of the parts containing the test specifications is currently under study.

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 telecommunication specification. Such a statement is called an ICS.

1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the Broadband Integrated Services Digital Network (B-ISDN) Digital Subscriber Signalling System No. two (DSS2) protocol for the Frame Relaying bearer service as specified in EN 301 174-1 [3] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [6] and ETS 300 406 [4].

The supplier of a protocol implementation which is claimed to conform to EN 301 174-1 [3] 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 the supplier and the implementation.

Further ENs (or further parts of the present document) provide the method of testing and detailed application specific requirements to determine conformance to the present document.

The provision of this service requires the support of the protocol for the basic point-to-point call/bearer connections as defined in the EN 300 443-1 [1].

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, subsequent revisions do apply.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

- [1] EN 300 443-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 1: Protocol specification [ITU-T Recommendation Q.2931 (1995), modified]".
- [2] ETS 300 443-2: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [3] EN 301 174-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Signalling specification for frame relay service; Part 1: Protocol specification [ITU-T Recommendation Q.2933 (1996), modified]".
- [4] ETS 300 406 (1995): "Methods for Testing and Specification (MTS) ; Protocol and profile conformance testing specifications; Standardization methodology".
- [5] ISO/IEC 9646-1 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [6] ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document the following terms and definitions apply:

- terms defined in EN 301 174-1 [3];
- terms defined in ISO/IEC 9646-1 [5] and in ISO/IEC 9646-7 [6].

In particular, the following terms defined in ISO/IEC 9646-1 [5] apply:

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

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

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

3.2 Abbreviations

For the purposes of the present document the following abbreviations apply:

ICS	Implementation Conformance Statement
IUT	Implementation Under Test
OSI	Open Systems Interconnection
SCS	System Conformance Statement
SUT	System Under Test
PICS	Protocol Implementation Conformance Statement

4 Conformance to this PICS proforma specification

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

An PICS which conforms to the present document shall be a conforming PICS proforma completed in accordance with the guidance for completion given in clause A.1.

Annex A (normative): PICS proforma for EN 301 174-1

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 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in EN 301 174-1 [3] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- roles;
- user role:
 - major capabilities;
 - PDUs;
 - PDU parameters;
 - timers;
 - call states;
- network role:
 - major capabilities;
 - PDUs;
 - PDU parameters;
 - timers;
 - call states.

A.1.2 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 [6].

Item column

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

Item description column

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

Status column

The following notations, defined in ISO/IEC 9646-7 [6], are used for the status column:

- m:** mandatory - the capability is required to be supported.
- o:** optional - the capability may be supported or not.
- n/a:** not applicable - in the given context, it is impossible to use the capability.
- x:** prohibited (excluded) - there is a requirement not to use this capability in the given context.
- o.i:** qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table.

NOTE 1: In the case where items of the group do not always belong to the same table, all o.i shall be defined in the last subclause of the PICS proforma, and the text "which is defined immediately following the table" should be replaced by "which is defined in the last subclause of this annex".

- ci:** Conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table.
- c: o:** conditional optional - the capability may be supported or not if the hierarchically preceding capability is supported.
- c: m:** conditional mandatory - the capability is required to be supported if the hierarchically preceding capability is supported.

Reference column

The reference column makes reference to EN 301 174-1 [3], except where explicitly stated otherwise.

Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [6], are used for the support column:

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

If this PICS proforma is completed in order to describe a multiple-profile support in a system, it is necessary to be able to answer that a capability is supported for one profile and not supported for another. In that case, the supplier shall enter the unique reference to a conditional expression, preceded by "?" (e.g. ?3). This expression shall be given in the space for comments provided at the bottom of the table. It uses predicates defined in the SCS, each of which refers to a single profile and which takes the value TRUE if and only if that profile is to be used.

EXAMPLE 1: ?3: IF prof1 THEN Y ELSE N.

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

NOTE 2: As stated in ISO/IEC 9646-7 [6], support for a received PDU requires the ability to parse all valid parameters of that PDU. Supporting a PDU while having no ability to parse a valid parameter is non-conformant. Support for a parameter on a PDU means that the semantics of that parameter are supported.

Values allowed column

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

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

Values supported column

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

References to items

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

EXAMPLE 2: A.5/4 is the reference to the answer of item 4 in table 5 of annex A.

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

Prerequisite line

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

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

A.1.3 Instructions for completing the PICS proforma

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

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

More detailed instructions are given at the beginning of the different subclauses of the PICS proforma.

A.2 Identification of the implementation

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

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

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

A.2.1 Date of the statement

.....

A.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

A.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

A.2.4 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.5 Client (if different from product supplier)

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

A.2.6 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.3 Identification of the protocol

This PICS proforma applies to the following standard:

EN 301 174-1 (V1.1): "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Signalling specification for frame relay service; Part 1: Protocol specification [ITU-T Recommendation Q.2933 (1996), modified]".

A.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

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

A.5 Roles

Table A.1: Roles

Item	Major role: Does the implementation support...	Reference	Conditions for status	Status	Support
R 1	the user role?	9, 10		O.1	[]Yes []No
R 2	the network role?	9, 10		O.1	[]Yes []No

O.1: It is mandatory to support exactly one of these items.

Comments:

A.6 User role

This clause contains the PICS proforma tables related to the user role. They are needed to be completed only for user implementations:

Prerequisite: A.1/1 -- user role.

A.6.1 Major capabilities

Table A.2: Major Capabilities

Item	Does the implementation support:	Reference	Condition for Status	Status	Support
MCu 1	single step call control with one virtual connection supporting only one Frame Relay connection?	clause 1		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
MCu 2	user plane procedures using the services provided by AAL type 5 CPCS and FR-SSCS above it ?	subclause 5.1		M	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

A.6.2 Subsidiary capabilities

Table A.3: Subsidiary capabilities

Item	Does the implementation support:	Reference	Condition for Status	Status	Support
SCu 1	AAL parameter indication and negotiation procedures as described in annex F/Q.2931?	clause 9		O	<input type="checkbox"/> Yes <input type="checkbox"/> No

A.6.3 PDUs

No items requiring response.

A.6.4 PDU parameters received by the user

The tables in this subclause ask questions related to the support of PDU parameters in messages received and transmitted by the IUT. In DSS2, protocol PDU parameters are known by the term "information elements".

Table A.4: Information elements in CONNECT received by the user

Item	Parameter	Reference	Condition for Status	Status	Support
MRu3-IEX	Link layer core parameters	subclause 8.1.3	[2] MCu 1 NOT [2] MCu 1	M N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
MRu3-IEY	Link layer protocol parameters	subclause 8.1.3	[2] MCu 1 NOT [2] MCu 1	M N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Comments:

Table A.5: Information elements in SETUP received by the user

Item	Parameter	Reference	Condition for Status	Status	Support
MRu12-IEX	Link layer core parameters	subclause 8.1.7	[2] MCu 2 NOT [2] MCu 2	M N/A	[] Yes [] No [] N/A
MRu12-IEY	Link layer protocol parameters	subclause 8.1.7	[2] MCu 2 NOT [2] MCu 2	M N/A	[] Yes [] No [] N/A

Comments:

A.6.5 PDU parameters sent by the user

The tables in this subclause ask questions related to the support of PDU parameters in messages received and transmitted by the IUT. In DSS2, protocol PDU parameters are known by the term "information elements".

Table A.6: Information elements in CONNECT sent by the user

Item	Parameter	Reference	Condition for Status	Status	Support
MTu3-IEX	Link layer core parameters	subclause 8.1.3	[2] MCu 2 NOT [2] MCu 2	M N/A	[] Yes [] No [] N/A
MTu3-IEY	Link layer protocol parameters	subclause 8.1.3	[2] MCu 2 NOT [2] MCu 2	M N/A	[] Yes [] No [] N/A

Comments:

Table A.7: Information elements in SETUP sent by the user

Item	Parameter	Reference	Condition for Status	Status	Support
MTu12-IEX	Link layer core parameters	subclause 8.1.7	[2] MCu 1 NOT [2] MCu 1	M N/A	[] Yes [] No [] N/A
MTu3-IEY	Link layer protocol parameters	subclause 8.1.7	[2] MCu 1 NOT [2] MCu 1	M N/A	[] Yes [] No [] N/A

Comments:

A.6.6 Structure of protocol data unit parameters received by the user

Table A.8: Contents of the broadband bearer capability information element

Item	Does the implementation support following coding for the parameter subfields:					
		Reference	Condition for Status	Status	Values	
					Allowed	Supported
IERu 16.1	Bearer class (octet 5)	subclause 8.3.4	[2] MCu 2 NOT [2] MCu 2	M N/A	Frame Relaying bearer service (5)	[] Yes [] No [] N/A
IERu 16.6	User information Layer 2 protocol (octet 7)	subclause 8.3.4	[2] MCu 2 NOT [2] MCu 2	M N/A	Core aspects of annex A/Q.922 (15)	[] Yes [] No [] N/A

Comments:

Table A.9: Contents of Link layer core parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
IERu X	..for octet 5 as defined in figure 4-4/Q.933 and table 4-5/Q.933	subclause 8.3.8		M	[] Yes [] No

Comments:

Table A.10: Contents of Link layer protocol parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
1	..for octet 5 as defined in figure 4-5/Q.933 and table 4-6/Q.933	subclause 8.3.9		M	[] Yes [] No

Comments:

A.6.7 Structure of protocol data unit parameters sent by the user

Table A.11: Contents of the Broadband bearer capability information element

Item	Does the implementation support following coding for the parameter subfields:					
		Reference	Condition for Status	Status	Values	
					Allowed	Supported
1	Bearer class (octet 5)	subclause 8.3.4	[2] MCu 1 NOT [2] MCu 1	M N/A	Frame Relaying bearer service (5)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
IETu 16.6	User information Layer 2 protocol (octet 7)	subclause 8.3.4	[2] MCu 1 NOT [2] MCu 1	O N/A	Core aspects of annex A/Q.922 (15)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Comments:

Table A.12: Contents of Link layer core parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
1	..for octet 5 as defined in figure 4-4/Q.933 and table 4-5/Q.933	subclause 8.3.8		M	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

Table A.13: Contents of Link layer protocol parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
IETu Y	..for octet 5 as defined in figure 4-5/Q.933 and table 4-6/Q.933	subclause 8.3.9		M	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

A.6.8 Timers

No items requiring response.

A.6.9 Call states

No items requiring response.

A.7 Network role

Prerequisite: A.1/2 network role.

This subclause contains the PICS proforma tables related to the network role. They are needed to be completed only for network implementations:

Prerequisite: A.1/2 network role.

A.7.1 Major capabilities

Table A.14: Major Capabilities

Item	Does the implementation support:	Reference	Condition for Status	Status	Support
MCn 1	Interworking Function with a Public Data Network (PDN) providing Frame Relay Data Transmission Service (FRDTS)	subclauses 8.3.4, 8.3.5, 11.3		O	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

A.7.2 Subsidiary capabilities

No items requiring response.

A.7.3 PDUs

No items requiring response.

A.7.4 PDU parameters received by the network

The tables in this subclause ask questions related to the support of PDU parameters in messages received and transmitted by the IUT. In DSS2, protocol PDU parameters are known by the term "information elements".

Table A.15: Information elements in CONNECT received by the network

Item	Does the implementation support following parameter (note):	Reference	Condition for Status	Status	Support
MRn 3-IEX	Link layer core parameters	subclause 8.1.3		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
MRn 3-IEY2	Link layer protocol parameters	subclause 8.1.3		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
NOTE:	Support of this parameter means that the parameter is transparently carried by the network and passed to the remote user.				

Comments:

Table A.16: Information elements in SETUP received by the network

Item	Does the implementation support following parameter	Reference	Condition for Status	Status	Support
1	Link layer core parameters? (note)	subclause 8.1.7		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
MRn 12-IEY	Link layer protocol parameters? (note)	subclause 8.1.7		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
NOTE:	Support of this parameter means that the parameter is transparently carried by the network and passed to the remote user.				

Comments:

A.7.5 PDU parameters sent by the network

The tables in this subclause ask questions related to the support of PDU parameters in messages received and transmitted by the IUT. In DSS2, protocol PDU parameters are known by the term "information elements".

Table A.17: Information elements in CONNECT sent by the network

Item	Does the implementation support following parameter:	Reference	Condition for Status	Status	Support
1	Link layer core parameters? (note)	subclause 8.1.3		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
MTn3-IEY	Link layer protocol parameters? (note)	subclause 8.1.3		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
NOTE: This parameter is carried transparently by the network. It is included in the network-to-user direction if the called user included it in the CONNECT message.					

Comments:

Table A.18: Information elements in SETUP sent by the network

Item	Does the implementation support following parameter:	Reference	Condition for Status	Status	Support
MTn12-IEX	Link layer core parameters? (note)	subclause 8.1.7		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
MTn12-IEY	Link layer protocol parameters? (note)	subclause 8.1.7		M	<input type="checkbox"/> Yes <input type="checkbox"/> No
NOTE: This parameter is carried transparently by the network. It is included in the network-to-user direction if the calling user included it in the SETUP message.					

Comments:

A.7.6 Structure of Protocol Data Unit Parameters received by the network

Table A.19: Contents of the Broadband bearer capability information element

Item	Does the implementation support following coding for the parameter subfields:					
		Reference	Condition for Status	Status	Values	
					Allowed	Supported
1	Bearer class (octet 5)	subclause 8.3.4		M	Frame Relaying bearer service (5)	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	User information Layer 2 protocol (octet 7)	subclause 8.3.4		M	Core aspects of annex A/Q.922	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

Table A.20: Contents of Link layer core parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
1	..for octet 5 as defined in figure 4-4/Q.933 and table 4-5/Q.933	subclause 8.3.8		M	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

Table A.21: Contents of Link layer protocol parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
IERnY1	..for octet 5 as defined in figure 4-5/Q.933 and table 4-6/Q.933	subclause 8.3.9		M	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

A.7.7 Structure of Protocol Data Unit Parameters sent by the network

The tables in this subclause ask questions related to the support of PDU parameters in messages received and transmitted by the IUT. In DSS2, protocol PDU parameters are known by the term "information elements".

Table A.22: Contents of the Broadband bearer capability information element

Item	Does the implementation support following coding for the parameter subfields:	Reference	Condition for Status	Status	Values	
					Allowed	Supported
					1	Bearer class (octet 5)
IETn 16.6	User information Layer 2 protocol (octet 7)	subclause 8.3.4		M	Core aspects of annex A/Q.922	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

Table A.23: Contents of Link layer core parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
IETnX	..for octet 5 as defined in figure 4-4/Q.933 and table 4-5/Q.933	subclause 8.3.8		M	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

Table A.24: Contents of Link layer protocol parameters information element

Item	Does the implementation support the information element values...	Reference	Condition for Status	Status	Support
IETnY	..for octet 5 as defined in figure 4-5/Q.933 and table 4-6/Q.933	subclause 8.3.9		M	<input type="checkbox"/> Yes <input type="checkbox"/> No

Comments:

A.7.8 Timers

No items requiring response.

A.7.9 Call states

No items requiring response.

Annex B (normative): Requirements list

This annex repeats in the form of a requirements list some items of the basic call PICS proforma required for support of EN 301 174-1 [3]. No support column is provided as the answers are to be entered in the relevant base PICS proforma.

In the tables which follow in this annex, the status of the base PICS proforma is indicated as "C" (conditional) or "O" (optional). The "C" status is used where the base PICS proforma contains a number of interdependent items which need not be repeated in the present document. "O" indicates that the item in the base PICS proforma is dependent on one or more other items, at least one of which has an optional status. The exact interdependency is fully specified in the base PICS proforma specification.

B.1 User

B.1.1 Requirements on items used in the basic call PICS

In the tabulations which follow in this subclause all item numbers are as contained in ETS 300 443-2 [2]. All references are to EN 301 174-1 [3] unless otherwise stated.

Table B.1: Information elements in CONNECT transmitted by the user

Item	Information element	Status base	SS conditions for status	SS status	Reference
MTu 3-IE11	AAL parameters	O	[2] MTu3 NOT [2] MTu3	M N/A	EN 300 443-1 [1] subclause 3.1.3

Table B.2: Information elements in SETUP transmitted by the user

Item	Information element	Status base	SS conditions for status	SS status	Reference
MTu 12-IE11	AAL parameters	O	[2] MTu12 NOT [2] MTu12	M N/A	EN 300 443-1 [1] subclause 3.1.7

Table B.3: Contents of the AAL parameters information element received

Item	Information element	Status base	Value	SS conditions for status	SS status	Reference
IERu 11.1	AAL type AAL type 5	O	5		M	subclause 8.3.2
IERu 11.8	Forward maximum CPCS-SDU size	O			M	subclause 8.3.2
IERu 11.9	Backward maximum CPCS-SDU size	O			M	subclause 8.3.2
IERu 11.11	SSCS type Frame relay SSCS	O	4		M	subclause 8.3.2

Table B.4: Contents of the AAL parameters information element sent

Item	Information element	Status base	Value	SS conditions for status	SS status	Reference
IETu 11.1	AAL type AAL type 5	O	5		M	subclause 8.3.2
IETu 11.8	Forward maximum CPCS-SDU size	O			M	subclause 8.3.2
IETu 11.9	Backward maximum CPCS-SDU size	O			M	subclause 8.3.2
IETu 11.11	SSCS type Frame relay SSCS	O	4		M	subclause 8.3.2

B.2 Network

B.2.1 Requirements on items used in the basic call PICS

In the tabulations which follow in this subclause all item numbers are as contained in ETS 300 443-2 [2]. All references are to EN 301 174-1 [3] unless otherwise stated.

The basic call PICS proforma applies without changes.

History

Document history				
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