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Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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Contents

Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS is part 2 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) Conference call, add-on (CONF) supplementary 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: "TSS&TP specification for the network";

Part 6: "ATS and partial PIXIT proforma specification for the network".

NOTE: The first part, ETS 300 185-1 (1993), containing the protocol specification, was initially published as ETS 300 185 (1993) and has identical contents.

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).

Transposition dates	
Date of adoption of this ETS:	1 September 1995
Date of latest announcement of this ETS (doa):	31 December 1995
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 June 1996
Date of withdrawal of any conflicting National Standard (dow):	30 June 1996

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1 Scope

This second part of ETS 300 185 is applicable to the stage three of the Conference call, add-on (CONF) supplementary service for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators at the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [12]) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol. Stage three identifies the protocol procedures and switching functions needed to support a telecommunications service (see CCITT Recommendation I.130 [11]).

This ETS provides the Protocol Implementation Conformance Statement (PICS) proforma for the ISDN DSS1 CONF supplementary service protocol as specified in ETS 300 185-1 [2] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [10].

The supplier of a protocol implementation which is claimed to conform to ETS 300 185-1 [2] is required to complete a copy of the PICS proforma provided in annex A of this ETS and is required to provide the information necessary to identify both the supplier and the implementation.

2 Normative references

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

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

[2] ETS 300 185-1 (1993): "Integrated Services Digital Network (ISDN); Conference call add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE: ETS 300 185-1 (1993) was initially published as ETS 300 185 (1993).

[3] ETS 300 195-2: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

[4] ETS 300 196-2: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

[5] I-ETS 300 314 (1994): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for the network layer signalling protocol for circuit-mode basic call control (basic access, user)".

[6] I-ETS 300 315 (1994): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for the network layer signalling protocol for circuit-mode basic call control (primary rate access, user)".

[7] I-ETS 300 316 (1994): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for the network layer signalling protocol for circuit-mode basic call control (basic access, network)".

[8] I-ETS 300 317 (1994): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for the network layer signalling protocol for circuit-mode basic call control (primary rate access, network)".

[9] ISO/IEC 9646-1: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[10] ISO/IEC 9646-7: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

[11] CCITT Recommendation I.130 (1988): "Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN".

[12] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces - Reference configurations".

3 Definitions

For the purposes of this ETS, the following definitions apply, in addition to those given in ETS 300 185-1 [2]:

Protocol Implementation Conformance Statement (PICS): A statement made by the supplier of an Open Systems Interconnection (OSI) implementation or system, stating which capabilities have been implemented for a given OSI protocol (see ISO/IEC 9646-1 [9]).

PICS proforma: A document, in the form of a questionnaire, designed by the protocol specifier or conformance test suite specifier, which, when completed for an OSI implementation or system, becomes the PICS (see ISO/IEC 9646-1 [9]).

static conformance review: A review of the extent to which the static conformance requirements are met by the IUT, accomplished by comparing the PICS with the static conformance requirements expressed in the relevant standard(s) (see ISO/IEC 9646-1 [9]).

4 Symbols and abbreviations

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

AND	Boolean "and"
C	Conditional requirement (to be observed if the relevant conditions apply)
CONF	Conference call, add-on
DSS1	Digital Subscriber Signalling System No. one
IER	Information Elements Received
IET	Information Elements Transmitted
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
M	Mandatory requirement (to be observed in all cases)
MC	Major Capabilities
MR	Messages Received
MT	Messages Transmitted
N/A	Not applicable, not supported or the conditions for status are not met
No	not supported
NOT	Boolean "not"

O	Option (may be selected to suit the implementation, provided that any requirements applicable to the option are observed)
O.n	Options, but support required for either at least one or only one of the options in the group labelled with the same numeral "n"
OR	Boolean "or"
OSI	Open Systems Interconnection
P	Parameters
PICS	Protocol Implementation Conformance Statement
R	Roles
RL	Requirements List
SCS	System Conformance Statement
SS	Supplementary Service
SUT	System Under Test
Yes	supported

5 Conformance

A PICS proforma which 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 which conforms to this PICS proforma specification shall:

a) describe an implementation which claims to conform to ETS 300 185-1 [2];
b) be a conforming ICS proforma which has been completed in accordance with the instructions for completion given in clause A.1;
c) include the information necessary to uniquely identify both the supplier and the implementation.

Annex A (normative): PICS proforma

A.1 Instructions for completing the PICS proforma

A.1.1 Identification of the implementation

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

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

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

The SCS as defined in ISO/IEC 9646-1 [9] is a document supplied by the client or product supplier that summarizes which OSI International Standards, ITU-T (CCITT) Recommendations, ETSs or other standards are implemented and to which conformance is claimed. The PICS/SCS subclause should describe the relationship of the PICS to the SCS.

A.1.2 Global statement of conformance

If the answer to the statement in this subclause is "Yes", all subsequent subclauses should be completed to facilitate selection of test cases for optional functions.

If the answer to the statement in this subclause is "No", all subsequent subclauses should be completed, and all non-supported mandatory capabilities should be identified and explained. Explanations may be entered in the comments field at the bottom of each table or on attached sheets of paper.

A.1.3 Explanation of PICS proforma subclauses

The PICS proforma contains a Roles clause and thereafter is presented in two parts (for user and network) with the following subclauses, as required:

- major capabilities;
- subsidiary capabilities;
- protocol data unit support;
- protocol data unit parameters;
- timers;
- call states.

The User clause shall only be completed for user implementations (including private network implementations) while the Network clause shall only be completed for network implementations. The Roles subclause shall be completed for all implementations.

The relationship between this PICS proforma and other related PICS proforma (e.g. the basic call PICS proforma) is expressed in the Requirements List (RL) contained in annex B. This provides the additional restrictions placed on the related proforma (different conditions, different status, etc.).

A.1.4 Symbols, abbreviations and terms

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 [10].

The reference column contained in the tables gives reference to the appropriate part(s) of ETS 300 185-1 [2] 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 ETS 300 185-1 [2] has to be taken into account when making a statement about the conformance of that particular item.

The following common notations, defined in ISO/IEC 9646-7 [10], are used for the status column:

M	mandatory
O	optional
N/A	not applicable
O.<integer>	for mutually exclusive or selectable options from a set

The following common notations, defined in ISO/IEC 9646-7 [10], are used for the support column:

Y for supported/implemented
N for not supported/not implemented

A.2 Identification of the implementation

A.2.1 Implementation Under Test (IUT) identification

IUT name:

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.....

IUT version:

.....

A.2.2 System Under Test (SUT) identification

SUT name:

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Hardware configuration:

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.....

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Operating system:

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A.2.3 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

Additional information:

.....

.....

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A.2.4 Client

Name:

.....

Address:

.....

.....

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Telephone number:

.....

Facsimile number:

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Additional information:

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A.2.5 PICS contact person

Name:

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Address:

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Telephone number:

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Facsimile number:

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Additional information:

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A.3 PICS/System Conformance Statement (SCS)

Provide the relationship of the PICS with the SCS for the system:

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A.4 Identification of the protocol

This PICS proforma applies to the following standard:

ETS 300 185-1 (1993): "Integrated Services Digital Network (ISDN); Conference call, add-on (CONF) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE: ETS 300 185-1 (1993) was initially published as ETS 300 185 (1993).

A.5 Global statement of conformance

The implementation described in this PICS meets all the mandatory requirements of the referenced standard?

[ ] **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.

In the tabulations which follow, all references are to ETS 300 185-1 [2] unless another numbered reference is explicitly indicated.

A.6 Roles

Table A.1: Type of implementation

Item	Major role: Does the implementation...	Conditions for status	Status	Reference	Support
	Type of implementation				
R 1	not used				
R 2.1	support user requirements?		O.1	9	[ ]Yes [ ]No
R 2.2	support network requirements?		O.1	9	[ ]Yes [ ]No
R 3.1	support requirements at the coincident S and T reference point?		O.2	9	[ ]Yes [ ]No
R 3.2	support requirements for interworking with private ISDNs at the T reference point?		O.2	10	[ ]Yes [ ]No
R 4.1	support user requirements at the interface of the served user?	R 2.1 AND R 3.1 R 2.1 AND R 3.2 NOT R 2.1	M O.3 N/A	9.2, 10	[ ]Yes [ ]No [ ]N/A
R 4.2	support user requirements at the interface of the remote user?		N/A		N/A
R 4.3	support network requirements at the interface of the served user?	R 2.2 NOT R 2.2	M N/A	9.3	[ ]Yes [ ]No [ ]N/A
R 4.4	support network requirements at the interface of the remote user?	R 2.2 NOT R 2.2	M N/A		[ ]Yes [ ]No [ ]N/A
O.1 O.2 O.3	Support of one and only one of these options is required. Support of at least one of these options is required. See table A.2				
Comments:					

A.7 User

The tables provided in this clause need only to be completed for user implementation where item R 2.1 in table A.1 is supported.

A.7.1 Major capabilities

Table A.2: Major capabilities - user

Item	Major capability: Does the implementation support ...	Conditions for status	Status	Reference	Support
MC 1	**General capabilities**				
MC 1.1	CONF invocation from the idle state?	R 4.1 NOT R 4.1	M N/A	9.2.1, 10	[ ]Yes [ ]No [ ]N/A
MC 1.2	CONF invocation from an existing active call?	R 4.1 NOT R 4.1	O N/A	9.2.2, 10	[ ]Yes [ ]No [ ]N/A
MC 1.3	adding of a party?	R 4.1 NOT R 4.1	M N/A	9.2.3, 10	[ ]Yes [ ]No [ ]N/A
MC 1.4	isolation of a party?	R 4.1 NOT R 4.1	M N/A	9.2.4, 10	[ ]Yes [ ]No [ ]N/A
MC 1.5	reattachment of a party?	R 4.1 NOT R 4.1	M N/A	9.2.5, 10	[ ]Yes [ ]No [ ]N/A
MC 1.6	splitting of a party?	R 4.1 NOT R 4.1	M N/A	9.2.6, 10	[ ]Yes [ ]No [ ]N/A
MC 1.7.1	disconnection of a remote user?	R 4.1 NOT R 4.1	M N/A	9.2.7, 10	[ ]Yes [ ]No [ ]N/A
MC 1.7.2	served user procedures on disconnection by a remote user?	R 4.1 NOT R 4.1	M N/A	9.2.8, 10	[ ]Yes [ ]No [ ]N/A
MC 1.8	termination of the conference?	R 4.1 NOT R 4.1	M N/A	9.2.9, 10	[ ]Yes [ ]No [ ]N/A
MC 2	**Additional procedures for private ISDNs**				
MC 2.1	generation of notifications to be delivered to remote users (when the service provider is on a private ISDN)?	R 2.1 AND R 3.2 NOT (R 2.1 AND R 3.2)	O.3 N/A	10	[ ]Yes [ ]No [ ]N/A
MC 3	**Additional procedures for the Hold/Retrieve functions**				
MC 3.1	CONF invocation from the Call Held auxiliary state?	MC 1.2 NOT MC1.2	O N/A	9.2.2	[ ]Yes [ ]No [ ]N/A
MC 3.2	the adding of a party from the Call Held auxiliary state?	MC 1.3 NOT MC1.3	O N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
MC 3.3	the adding of a party with the Conference call in the Call Held auxiliary state?	MC 1.3 NOT MC1.3	O N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
O.3	Support of at least one of these options is required.				
Comments:					

A.7.2 Subsidiary capabilities

No items requiring response.

A.7.3 Protocol data units

No items requiring response.

A.7.4 Protocol data unit parameters

Table A.3: Facility information element components received - user

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 1	BeginCONF				
P 1.1	BeginCONF return result component	R 4.1 NOT R 4.1	M N/A	9.2.1, 9.2.2	[ ]Yes [ ]No [ ]N/A
P 1.2	BeginCONF return error component	R 4.1 NOT R 4.1	M N/A	9.2.1, 9.2.2	[ ]Yes [ ]No [ ]N/A
P 2	AddCONF				
P 2.1	AddCONF return result component	R 4.1 NOT R 4.1	M N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
P 2.2	AddCONF return error component	R 4.1 NOT R 4.1	M N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
P 3	SplitCONF				
P 3.1	SplitCONF return result component	R 4.1 NOT R 4.1	M N/A	9.2.6	[ ]Yes [ ]No [ ]N/A
P 3.2	SplitCONF return error component	R 4.1 NOT R 4.1	M N/A	9.2.6	[ ]Yes [ ]No [ ]N/A
P 4	DropCONF				
P 4.1	DropCONF return result component	R 4.1 NOT R 4.1	M N/A	9.2.7	[ ]Yes [ ]No [ ]N/A
P 4.2	DropCONF return error component	R 4.1 NOT R 4.1	M N/A	9.2.7	[ ]Yes [ ]No [ ]N/A
P 5	ReattachCONF				
P 5.1	IsolateCONF return result component	R 4.1 NOT R 4.1	M N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
P 5.2	IsolateCONF return error component	R 4.1 NOT R 4.1	M N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
P 6	ReattachCONF				
P 6.1	ReattachCONF return result component	R 4.1 NOT R 4.1	M N/A	9.2.5	[ ]Yes [ ]No [ ]N/A
P 6.2	ReattachCONF return error component	R 4.1 NOT R 4.1	M N/A	9.2.5	[ ]Yes [ ]No [ ]N/A
P 7	PartyDISC invoke component	R 4.1 NOT R 4.1	M N/A	9.2.8	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.4: Facility information element components transmitted - user

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 8	BeginCONF invoke component	R 4.1 NOT R 4.1	M N/A	9.2.1, 9.2.2	[ ]Yes [ ]No [ ]N/A
P 9	AddCONF invoke component	R 4.1 NOT R 4.1	M N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
P 10	SplitCONF invoke component	R 4.1 NOT R 4.1	M N/A	9.2.6	[ ]Yes [ ]No [ ]N/A
P 11	DropCONF invoke component	R 4.1 NOT R 4.1	M N/A	9.2.7	[ ]Yes [ ]No [ ]N/A
P 12	IsolateCONF invoke component	R 4.1 NOT R 4.1	M N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
P 13	ReattachCONF invoke component	R 4.1 NOT R 4.1	M N/A	9.2.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.5: Notification indicator information element codepoints transmitted - user

Item	Notification indicator information element codepoints: Does the implementation support the value...	Conditions for status	Status	Reference	Support
P 14.1	Conference established	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.2.1, 9.2.3.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.2	Conference disconnected	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.6.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.3	Other party added	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.3.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.4	Isolated	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.4.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.5	Reattached	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.5.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.6	Other party isolated	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.4.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.7	Other party reattached	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.5.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.8	Other party split	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.6.1, 10	[ ]Yes [ ]No [ ]N/A
P 14.9	Other party disconnected	MC 2.1 NOT MC 2.1	M N/A	7, 9.2.7.1, 9.2.8.1, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7.5 Timers

No items requiring response.

A.7.6 Call states

No items requiring response.

A.8 Network

The tables provided in this clause need only to be completed for network implementation where item R 2.2 in table A.1 is supported.

A.8.1 Major capabilities

Table A.6: Major capabilities - network

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MC 4	**General capabilities**				
MC 4.1	CONF invocation from the idle state?	R 4.3 NOT R 4.3	M N/A	9.2.1, 10	[ ]Yes [ ]No [ ]N/A
MC 4.2	CONF invocation from an existing active call?	R 4.3 NOT R 4.3	O N/A	9.2.2, 10	[ ]Yes [ ]No [ ]N/A
MC 4.3	support adding of a party?	R 4.3 NOT R 4.3	M N/A	9.2.3, 10	[ ]Yes [ ]No [ ]N/A
MC 4.4	isolation of a party?	R 4.3 NOT R 4.3	M N/A	9.2.4, 10	[ ]Yes [ ]No [ ]N/A
MC4.5	reattachment of a party?	R 4.3 NOT R 4.3	M N/A	9.2.5, 10	[ ]Yes [ ]No [ ]N/A
MC 4.6	splitting of a party?	R 4.3 NOT R 4.3	M N/A	9.2.6, 10	[ ]Yes [ ]No [ ]N/A
MC 4.7.1	disconnection of a remote user?	R 4.3 NOT R 4.3	M N/A	9.2.7, 10	[ ]Yes [ ]No [ ]N/A
MC 4.7.2	served user procedures on disconnection by a remote user?	R 4.3 NOT R 4.3	M N/A	9.2.8, 10	[ ]Yes [ ]No [ ]N/A
MC 4.8	termination of the conference?	R 4.3 NOT R 4.3	M N/A	9.2.9, 10	[ ]Yes [ ]No [ ]N/A
MC 4.9	delivery of notifications to remote users?	R 4.4 NOT R 4.4	M N/A	9.2, 10	[ ]Yes [ ]No [ ]N/A
MC 5	**Additional procedures for interworking with private ISDNs**				
MC 5.1	acceptance of notifications from private ISDN for delivery to remote user(s) (when the service provider is on a private ISDN)?	R 2.2 AND R 3.2 NOT (R 2.2 AND R 3.2)	M N/A	10	[ ]Yes [ ]No [ ]N/A
MC 6	**Additional procedures for the Hold/Retrieve functions**				
MC 6.1	CONF invocation from the Call Held auxiliary state?	MC 4.2 NOT MC 4.2	O N/A	9.2.2	[ ]Yes [ ]No [ ]N/A
MC 6.2	the adding of a party from the Call Held auxiliary state?	MC 4.3 NOT MC 4.3	O N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
Comments:					

A.8.2 Subsidiary capabilities

No items requiring response.

A.8.3 Protocol data units

No items requiring response.

A.8.4 Protocol data unit parameters

Table A.7: Facility information element components received - network

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 15	BeginCONF invoke component	R 4.3 AND MC 4.1 NOT (R 4.3 AND MC 4.1)	M N/A	9.2.1, 9.2.2	[ ]Yes [ ]No [ ]N/A
P 16	AddCONF invoke component	R 4.3 AND MC 4.3 NOT (R 4.3 AND MC 4.3)	M N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
P 17	SplitCONF invoke component	R 4.3 AND MC 4.6 NOT (R 4.3 AND MC 4.6)	M N/A	9.2.6	[ ]Yes [ ]No [ ]N/A
P 18	DropCONF invoke component	R 4.3 AND MC 4.7.1 NOT (R 4.3 AND MC 4.7.1)	M N/A	9.2.7	[ ]Yes [ ]No [ ]N/A
P 19	IsolateCONF invoke component	R 4.3 AND MC 4.4 NOT (R 4.3 AND MC 4.4)	M N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
P 20	ReattachCONF invoke component	R 4.3 AND MC 4.5 NOT (R 4.3 AND MC 4.5)	M N/A	9.2.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.8: Facility information element components transmitted - network

Item	Facility information element components: Does the implementation support the interpretation of...	Conditions for status	Status	Reference	Support
P 21	BeginCONF				
P 21.1	BeginCONF return result component	R 4.3 AND MC 4.1 NOT (R 4.3 AND MC 4.1)	M N/A	9.2.1, 9.2.2	[ ]Yes [ ]No [ ]N/A
P 21.2	BeginCONF return error component	R 4.3 AND MC 4.1 NOT (R 4.3 AND MC 4.1)	M N/A	9.2.1, 9.2.2	[ ]Yes [ ]No [ ]N/A
P 22	AddCONF				
P 22.1	AddCONF return result component	R 4.3 AND MC 4.3 NOT (R 4.3 AND MC 4.3)	M N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
P 22.2	AddCONF return error component	R 4.3 AND MC 4.3 NOT (R 4.3 AND MC 4.3)	M N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
P 23	SplitCONF				
P 23.1	SplitCONF return result component	R 4.3 AND MC 4.6 NOT (R 4.3 AND MC 4.6)	M N/A	9.2.6	[ ]Yes [ ]No [ ]N/A
P 23.2	SplitCONF return error component	R 4.3 AND MC 4.6 NOT (R 4.3 AND MC 4.6)	M N/A	9.2.6	[ ]Yes [ ]No [ ]N/A
P 24	DropCONF				
P 24.1	DropCONF return result component	R 4.3 AND MC 1.5.1 NOT (R 4.3 AND MC 1.5.1)	M N/A	9.2.7	[ ]Yes [ ]No [ ]N/A
P 24.2	DropCONF return error component	R 4.3 AND MC 1.5.1 NOT (R 4.3 AND MC 1.5.1)	M N/A	9.2.7	[ ]Yes [ ]No [ ]N/A

(continued)

Table A.8 (concluded): Facility information element components transmitted - network

Item	Facility information element components: Does the implementation support the interpretation of...	Conditions for status	Status	Reference	Support
P 25	IsolateCONF				
P 25.1	IsolateCONF return result component	R 4.3 AND MC 4.4 NOT (R 4.3 AND MC 4.4)	M N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
P 25.2	IsolateCONF return error component	R 4.3 AND MC 4.4 NOT (R 4.3 AND MC 4.4)	M N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
P 26	ReattachCONF				
P 26.1	ReattachCONF return result component	R 4.3 AND MC 4.5 NOT (R 4.3 AND MC 4.5)	M N/A	9.2.5	[ ]Yes [ ]No [ ]N/A
P 26.2	ReattachCONF return error component	R 4.3 AND MC 4.5 NOT (R 4.3 AND MC 4.5)	M N/A	9.2.5	[ ]Yes [ ]No [ ]N/A
P 27	PartyDISC invoke component	R 4.3 AND MC 4.7.2 NOT (R 4.3 AND MC 4.7.2)	M N/A	9.2.8	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.9: Notification indicator information element codepoints transmitted - network

Item	Notification indicator information element codepoints: Does the implementation support the value...	Conditions for status	Status	Reference	Support
P 28.1	Conference established	R 4.4 NOT R 4.4	M N/A	7, 9.2.2.1, 9.2.3.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.2	Conference disconnected	R 4.4 NOT R 4.4	M N/A	7, 9.2.6.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.3	Other party added	R 4.4 NOT R 4.4	M N/A	7, 9.2.3.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.4	Isolated	R 4.4 NOT R 4.4	M N/A	7, 9.2.4.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.5	Reattached	R 4.4 NOT R 4.4	M N/A	7, 9.2.5.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.6	Other party isolated	R 4.4 NOT R 4.4	M N/A	7, 9.2.4.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.7	Other party reattached	R 4.4 NOT R 4.4	M N/A	7, 9.2.5.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.8	Other party split	R 4.4 NOT R 4.4	M N/A	7, 9.2.6.1, 10	[ ]Yes [ ]No [ ]N/A
P 28.9	Other party disconnected	R 4.4 NOT R 4.4	M N/A	7, 9.2.7.1, 9.2.8.1, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

A.8.5 Timers

No items requiring response.

A.8.6 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, generic functional protocol and supplementary service interactions PICS proforma required for support of ETS 300 185-1 [2]. 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 this ETS. "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 all item numbers are as contained in I-ETS 300 314 [5] and I-ETS 300 315 [6]. All references are to ETS 300 185-1 [2] unless otherwise stated.

Table B.1: Major capabilities - user

Item	Major capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MC 1	outgoing calls?	O	R 4.1 NOT R 4.1	M N/A	9.2

Table B.2: Messages transmitted - user

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MT 9	the inclusion of NOTIFY?	O	MC 2.1 NOT MC 2.1	M N/A	10 [1] 3.1.9

Table B.3: Information elements - user to network (transmitted by the user)

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IET 19	the inclusion of the Notification indicator?	O	MC 2.1 NOT MC 2.1	M N/A	10 [1] 4.5.21

B.1.2 Requirements on items used in the generic functional protocol PICS

In the tabulations which follow all item numbers are as contained in ETS 300 196-2 [4]. All references are to ETS 300 185-1 [2] unless otherwise stated.

Table B.4: Major capabilities - user

Item	Major capability: Does the implementation...	Status base	SS conditions for status	SS status	Reference
MCu 2	support the functional protocol (common information element category) for the control of supplementary services?	O	R 4.1 NOT R 4.1	M N/A	7, 9
MCu 2.1	support bearer related supplementary services procedure?	O	R 4.1 NOT R 4.1	M N/A	7, 9
MCu 2.3	support point-to-point (bearer related) transport mechanism?	O	R 4.1 NOT R 4.1	M N/A	7, 9
MCu 3	support notification category procedures?	O	MC 2.1 NOT MC 2.1	M N/A	7, 9
MCu 3.1	support transport of bearer related notifications?	O	MC 2.1 NOT MC 2.1	M N/A	7, 9

Table B.5: Subsidiary capabilities - user

Item	Subsidiary capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
SCu 2.1	the use of the invocation procedure?	O	R 4.1 NOT R 4.1	M N/A	7
SCu 2.2	the use of the return result procedure?	O	R 4.1 NOT R 4.1	M N/A	7
SCu 2.3	the use of the return-error procedure?	O	R 4.1 NOT R 4.1	M N/A	7
SCu 2.4	the use of the reject procedure?	O	R 4.1 NOT R 4.1	M N/A	7
SCu 3.1	the transport of notification information in simple notification "indicators"?	O	MC 2.1 NOT MC 2.1	M N/A	9.2

Table B.6: Messages transmitted - user

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MTu 1	the inclusion of FACILITY?	C	R 4.1 NOT R 4.1	M N/A	9.2

Table B.7: SETUP PDU parameters transmitted - user

Item	SETUP PDU parameters: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETu 21.1	Facility?	O	R 4.1 NOT R 4.1	M N/A	9.2.1

B.1.3 Requirements on items used in the supplementary service interactions PICS

In the tabulations which follow in this subclause all item numbers are as contained in ETS 300 195-2 [3]. All references are to ETS 300 185-1 [2] unless otherwise stated.

Table B.8: Major capabilities - user

Item	Major capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MC 1.18	the CONF supplementary service interactions with other implemented supplementary services?	O	R 2.1 NOT R 2.1	M N/A	12

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 I-ETS 300 316 [7] and I-ETS 300 317 [8]. All references are to ETS 300 185-1 [2] unless otherwise stated.

Table B.9: Messages received - network

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MR 9	the interpretation of NOTIFY?	O	MC 5.1 NOT MC 5.1	M N/A	10 [1] 3.1.9

Table B.10: Messages transmitted - network

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MT 9	the inclusion of NOTIFY?	O	R 4.4 NOT R 4.4	M N/A	9, 10 [1] 3.1.9

Table B.11: Information elements - user to network (received by the network)

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IER 19	the inclusion of the Notification indicator?	O	MC 5.1 NOT MC 5.1	M N/A	10 [1] 4.5.21

Table B.12: Information elements - network to user (transmitted by the network)

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IET 19	the inclusion of the Notification indicator?	O	R 4.4 NOT R 4.4	M N/A	9, 10 [1] 4.5.21

B.2.2 Requirements on items used in the generic functional protocol PICS

In the tabulations which follow all item numbers are as contained in ETS 300 196-2 [4]. All references are to ETS 300 185-1 [2] unless otherwise stated.

Table B.13: Major capabilities - network

Item	Major capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MCn 2	the functional protocol (common information element category) for the control of supplementary services?	O	R 4.3 NOT R 4.3	M N/A	7
MCn 2.1	bearer related supplementary services procedure?	O	R 4.3 NOT R 4.3	M N/A	7
MCn 2.3	point-to-point (bearer related) transport mechanism?	O	R 4.3 NOT R 4.3	M N/A	7
MCn 3	notification category procedures?	O	R 4.4 NOT R 4.4	M N/A	7, 9
MCn 3.1	transport of bearer related notifications?	O	R 4.4 NOT R 4.4	M N/A	7, 9

Table B.14: Subsidiary capabilities - network

Item	Subsidiary capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
SCn 2.1	the use of the invocation procedure?	O	R 4.3 NOT R 4.3	M N/A	7
SCn 2.2	the use of the return result procedure?	O	R 4.3 NOT R 4.3	M N/A	7
SCn 2.3	the use of the return-error procedure?	O	R 4.3 NOT R 4.3	M N/A	7
SCn 2.4	the use of the reject procedure?	O	R 4.3 NOT R 4.3	M N/A	7
SCn 3.1	the transport of notification information in simple notification "indicators"?	O	R 4.4 NOT R 4.4	M N/A	9.2

Table B.15: Messages transmitted - network

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MTn 1	the inclusion of FACILITY?	C	R 4.3 NOT R 4.3	M N/A	9.2.2, 9.2.4

Table B.16: CONNECT PDU parameters transmitted - network

Item	CONNECT PDU parameters: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 11.1	Facility?	O	MC 4.1 OR MC 4.6 NOT MC 4.1 OR MC 4.6	M N/A	9.2.1, 9.2.6

Table B.17: DISCONNECT PDU parameters transmitted - network

Item	DISCONNECT PDU parameters: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 13.1	Facility?	O	MC 4.3 NOT MC 4.3	M N/A	9.2.3

B.2.3 Requirements on items used in the supplementary service interactions PICS

In the tabulations which follow in this subclause all item numbers are as contained in ETS 300 195-2 [3]. All references are to ETS 300 185-1 [2] unless otherwise stated.

Table B.18: Major capabilities - network

Item	Major capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MC 2.18	the CONF supplementary service interactions with other implemented supplementary services?	O	R 2.2 NOT R 2.2	M N/A	12

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