

ETSI TS 101 818-2 V1.1.1 (2000-07)

Technical Specification

**Integrated Services Digital Network (ISDN);
Digital Subscriber Signalling System No. one (DSS1);
Trunk Hunting (TH) supplementary service;
Part 2: Protocol Implementation Conformance
Statement (PICS) proforma specification**



Reference

DTS/SPAN-05172-2

Keywords

ISDN, DSS1, supplementary service, TH, PICS

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - 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

Important notice

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF).

In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at <http://www.etsi.org/tb/status/>

If you find errors in the present document, send your comment to:

editor@etsi.fr

Copyright Notification

No part may be reproduced except as authorized by written permission.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2000.
All rights reserved.

Contents

Intellectual Property Rights	5
Foreword	5
1 Scope	6
2 References	6
3 Definitions, symbols and abbreviations	7
3.1 Definitions	7
3.2 Symbols	7
3.3 Abbreviations	7
4 Conformance	8
Annex A (normative): PICS proforma for TS 101 818-1	9
A.1 Instructions for completing the PICS proforma	9
A.1.1 Identification of the implementation	9
A.1.2 Global statement of conformance	9
A.1.3 Explanation of PICS proforma subclauses	9
A.1.4 Symbols, abbreviations and terms	10
A.2 Identification of the implementation	10
A.2.1 Implementation Under Test (IUT) identification	10
A.2.2 System Under Test (SUT) identification	10
A.2.3 Product supplier	11
A.2.4 Client	11
A.2.5 PICS contact person	12
A.3 PICS/SCS relationship	12
A.4 Identification of the protocol	12
A.5 Global statement of conformance	13
A.6 Roles	13
A.7 User	14
A.7.1 Major capabilities	14
A.7.2 Subsidiary capabilities	14
A.7.3 Protocol data units	14
A.7.4 Protocol data unit parameters	14
A.7.5 Timers	15
A.7.6 Call states	15
A.8 Network	15
A.8.1 Major capabilities	16
A.8.2 Subsidiary capabilities	16
A.8.3 Protocol data units	16
A.8.4 Protocol data unit parameters	16
A.8.5 Timers	17
A.8.6 Call states	17
Annex B (normative): Requirements list	18
B.1 User	18
B.1.1 Requirements on items used in the basic call PICS	18
B.1.2 Requirements on items used in the generic functional protocol PICS	18
B.1.3 Requirements on items used in the supplementary service interactions PICS	19
B.2 Network	19
B.2.1 Requirements on items used in the basic call PICS	19

B.2.2	Requirements on items used in the generic functional protocol PICS	19
B.2.3	Requirements on items used in the supplementary services interactions PICS.....	20
History	21

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://www.etsi.org/ipr>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

The present document 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) Trunk Hunting (TH) 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".

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).

1 Scope

The present document is applicable to the stage three of the Trunk Hunting (TH) 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 [9]) 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 telecommunication service (see CCITT Recommendation I.130 [8]).

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the ISDN DSS1 supplementary service interactions protocol as specified in TS 101 818-1 [5] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [7].

The supplier of a protocol implementation which is claimed to conform to TS 101 818-1 [5] 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

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, 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.

- [1] ETSI EN 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [2] ETSI EN 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".
- [3] ETSI EN 300 196-1: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [4] ETSI EN 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] ETSI TS 101 818-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Trunk Hunting (TH) supplementary service; Part 1: Protocol specification".
- [6] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [7] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
- [8] CCITT Recommendation I.130: "Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [9] ITU-T Recommendation I.411: "ISDN user-network interfaces - Reference configurations".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TS 101 818-1 [5] and the following apply:

Protocol Implementation Conformance Statement (PICS): 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 [6]).

PICS proforma: 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 [6]).

static conformance review: 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 [6]).

3.2 Symbols

For the purposes of the present document, the following symbols apply:

AND	Boolean "and"
C	Conditional requirement (to be observed if the relevant conditions apply)
M	Mandatory requirement (to be observed in all cases)
N/A	Not applicable, not supported or the conditions for status are not meet
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"
Yes	supported

3.3 Abbreviations

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

DSS1	Digital Subscriber Signalling System No. one
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
MC	Major Capabilities
MR	Messages Received
MT	Messages Transmitted
OSI	Open Systems Interconnection
P	Parameters
PICS	Protocol Implementation Conformance Statement
R	Role
SC	Subsidiary Capabilities
SCS	System Conformance Statement
SUT	System Under Test
TH	Trunk Hunting
TM	Timers

4 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 TS 101 818-1 [5];
- 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 for TS 101 818-1

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 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 System Conformance Statement (SCS) as defined in ISO/IEC 9646-1 [6] is a document supplied by the client or product supplier that summarizes which OSI standards are implemented and to which conformance is claimed. The PICS/SCS clause 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 pages.

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 clause 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 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 [7].

The reference column contained in the tables gives reference to the appropriate part(s) of TS 101 818-1 [5] (unless another numbered reference is explicitly indicated) 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 TS 101 818-1 [5] (or any other possibly used reference) 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 [7], 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 [7], 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:

.....

.....

IUT version:

.....

A.2.2 System Under Test (SUT) identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

.....

A.2.3 Product supplier

Name:

.....

Address:

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

Telephone number:

.....

Facsimile number:

.....

Additional information:

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

A.2.4 Client

Name:

.....

Address:

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

Telephone number:

.....

Facsimile number:

.....

Additional information:

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

A.2.5 PICS contact person

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

Additional information:

.....

.....

.....

A.3 PICS/SCS relationship

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

.....

.....

.....

.....

A.4 Identification of the protocol

This PICS proforma applies to the following standard:

TS 101 818-1 [5]: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Trunk Hunting (TH) supplementary service; Part 1: Protocol specification".

A.5 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.

In the tabulations which follow, all references are to TS 101 818-1 [5] 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 1.1	support Trunk Hunting supplementary service(s)?		O		[]Yes []No
R 2.1	support user requirements?		O.1	10	[]Yes []No
R 2.2	support network requirements?		O.1	10	[]Yes []No
R 3.1	support procedures for interworking with private ISDN at the T reference point?	R 2.2 R 2.1	M N/A	10	[]Yes []No
R 4.1	support user requirements at the interface of the served user?	R 2.1 NOT R 2.1	M N/A	10	[]Yes []No [N/A]
R 4.2	support network requirements at the interface of the served user?	R 2.2 NOT R 2.2	M N/A	10	[]Yes []No []N/A
O.1	Support of one and only one of these options is required.				
Comments:					

A.7 User

The tables provided in this clause need only to be completed for user implementations, where item R 2.1 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	the request for the withdrawal of an access from a Hunt Group?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	10.1.1.1	[]Yes []No []N/A
MC 2	the request for the cancellation of withdrawal of an access from a Hunt Group?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	10.1.2.1	[]Yes []No []N/A
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 by the user

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 1.1	withdrawTHG return result?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 10.1.1.1	[]Yes []No []N/A
P 1.2	withdrawTHG return error?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 10.1.1.2	[]Yes []No []N/A
P 2.1	cancelWithdrawTHG return result?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 10.1.2.1	[]Yes []No []N/A
P 2.2	cancelWithdrawTHG return error?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 10.1.2.2	[]Yes []No []N/A
Comments:					

Table A.4: Facility information element components transmitted by the user

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 3	withdrawTHG invoke?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 10.1.1.1	[]Yes []No []N/A
P 4	cancelWithdrawTHG invoke?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 10.1.2.1	[]Yes []No []N/A
Comments:					

A.7.5 Timers

Table A.5: Timers - user

Item	Timer: Does the implementation support...	Conditions for status	Status	Reference	Support
TM 1	T-WITHDRAWAL? (Value 4 s)	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	13, 10.1.1.1 [3]	[]Yes []No []N/A
TM 2	T-CANCELLATION? (Value 4 s)	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	13, 10.1.2.1 [3]	[]Yes []No []N/A
NOTE: The generic support of these timers is specified in EN 300 196-2 [4] and EN 300 196-1 [3]. This table includes the values required by TS 101 818-1 [5].					
Comments:					

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 implementations, 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 3	the provision of Trunk Hunting supplementary service(s)	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	5	[]Yes []No []N/A
MC 4	the procedures for activation of the Trunk Hunting supplementary service?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	10.1	[]Yes []No []N/A
MC 5	the procedures for deactivation of the Trunk Hunting supplementary service?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	10.1	[]Yes []No []N/A
MC 6	the procedures for withdrawal of an access from a Hunt Group?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	10.1.1.1	[]Yes []No []N/A
MC 7	the procedures for the cancellation of withdrawal of an access from a Hunt Group?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	10.1.2.1	[]Yes []No []N/A
MC 8	the procedures for invocation of the instance(s) of a Trunk Hunting supplementary service?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	10	[]Yes []No []N/A
MC 9	the procedures for revocation of the instance(s) of a Trunk Hunting supplementary service?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	10	[]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 by the network

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 5	withdrawTHG invoke?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	7.1, 10.1.1.1	[]Yes []No []N/A
P 6	cancelWithdrawTHG invoke?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	7.1, 10.1.2.1	[]Yes []No []N/A
Comments:					

Table A.8: Facility information element components transmitted by the network

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 7.1	withdrawTHG return result?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	7.1, 10.1.1.1	[]Yes []No []N/A
P 7.2	withdrawTHG return error?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	7.1, 10.1.1.2	[]Yes []No []N/A
P 8.1	cancelWithdrawTHG return result?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	7.1, 10.1.2.1	[]Yes []No []N/A
P 8.2	cancelWithdrawTHG return error?	R 1.1 AND R 4.2 NOT (R 1.1 AND R 4.2)	M N/A	7.1, 10.1.2.2	[]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 TS 101 818-1 [5]. 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

No additional requirements.

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 EN 300 196-2 [4] and EN 300 196-1 [3]. All references are to TS 101 818-1 [5] 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
MCu 2	the functional protocol (common information element category) for the control of supplementary services?	O	R 4.1 NOT (R 4.1)	M N/A	8, 9,
MCu 2.2	bearer independent supplementary services procedure?	O	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	8, 9
MCu 5	generic procedures for the supplementary services management?	O	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	9

Table B.2: Messages transmitted - user

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MTu 1	the inclusion of FACILITY?	O	R 2.1 NOT R 2.1	M N/A	9, 10 [3] 8, 11

Table B.3: Messages received - user

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MRu 1	the interpretation of FACILITY?	O	R 2.1 NOT R 2.1	M N/A	9, 10 [3] 8, 11

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

In the tabulations which follow all item numbers are as contained in EN 300 195-2 [2] and EN 300 195-1 [1]. All references are to TS 101 818-1 [5] unless otherwise stated.

Table B.4: Major capabilities - user

Item	Major capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MC 1.21	the Trunk Hunting supplementary service interactions with other implemented supplementary services?	O	R 2.1 AND R 1.1. NOT (R 2.1 AND R 1.1)	M N/A	12, [1] 5,

B.2 Network

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

Not additional requirements.

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 EN 300 196-2 [4] and EN 300 196-1 [3]. All references are to TS 101 818-1 [5] unless otherwise stated.

Table B.5: 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 2.2 NOT R 2.2	M N/A	6, 8
MCn 2.2	bearer independent supplementary services procedure?	O	R 1.1 AND R 2.2 NOT (R 1.1 AND R 2.2)	M N/A	8
MCn 5	generic procedures for the supplementary services management?	O	R 1.1 AND R 2.2 NOT (R 1.1 AND R 2.2)	M N/A	9

Table B.6: Messages transmitted - network

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MTn 1	the inclusion of FACILITY?	O	R 2.2 NOT R 2.2	M N/A	9, 10 [3] 8.3, 11.1.1.1

Table B.7: Messages received - network

Item	Message: Does the implementation support...	Status base	Supplementary service conditions for status	SS status	Reference
MRn 1	the interpretation of FACILITY?	O	R 2.2 AND R 1.1 NOT (R 2.2 AND R 1.1)	M N/A	9, 10; [3] 8.3, 11.1.1.1

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

In the tabulations which follow all item numbers are as contained in EN 300 195-2 [2] and EN 300 195-1 [1]. All references are to TS 101 818-1 [5] unless otherwise stated.

Table B.8: Major capabilities - network

Item	Major capability: Does the implementation support...	Status Base	SS conditions for status	SS status	Reference
MC 2.21	the Trunk Hunting supplementary service interactions with other implemented supplementary services?	O	R 2.2 AND R 1.1 NOT (R 2.2 AND R 1.1)	M N/A	12, [1] 5.5, 5.21, 5.22, 5.23

History

Document history		
V1.1.1	July 2000	Publication