Final draft EN 301 001-2 V1.2.1 (1998-05)

European Standard (Telecommunications series)

Integrated Services Digital Network (ISDN);
Outgoing Call Barring (OCB) supplementary services;
Digital Subscriber Signalling System No. one (DSS1) protocol;
Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

ETSI

European Telecommunications Standards Institute

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Contents

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Foreword

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

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) Outgoing Call Barring (OCB) supplementary services, 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 & 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".

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).

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

1   Scope

This second part of EN 301 001 is applicable to the stage three of the Outgoing Call Barring (OCB) supplementary services 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 [6]).

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the ISDN DSS1 supplementary service interactions protocol as specified in EN 301 001-1 [5] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [8].

The supplier of a protocol implementation which is claimed to conform to EN 301 001-1 [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

References may be made to:

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

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

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

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

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

2.1   Normative references

[1]   EN 300 195-1: "Integrated Services Digital Network (ISDN); Supplementary service interactions; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[2]   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]   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]   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]   EN 301 001-1 (V1.1): "Integrated Services Digital Network (ISDN); Outgoing Call Barring (OCB) supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

2.2   Informative references

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

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

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

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

3   Definitions, symbols and abbreviations

3.1   Definitions

For the purposes of the present document, the following definitions apply, in addition to those given in EN 301 001-1 [5]:

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 [7]).

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 [7]).

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 [7]).

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
OCB	Outgoing Call Barring
OCB-F	Outgoing Call Barring-Fixed
OCB-UC	Outgoing Call Barring: User Controlled
OSI	Open Systems Interconnection
P	Parameters
PICS	Protocol Implementation Conformance Statement
R	Role
SC	Subsidiary Capabilities
SCS	System Conformance Statement
SUT	System Under Test
TM	Timers

4   Conformance

A Protocol Implementation Conformance Statement (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 EN 301 001-1 [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 EN 301 001-1

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 [7] 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 (Rs) clause and thereafter is presented in two parts (for user and network) with the following subclauses, as required:

- Major Capabilities (MC);

- Subsidiary Capabilities (SC);

- protocol data unit support;

- protocol data unit Parameters (P);

- Timers (TM);

- 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 Rs 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 [8].

The reference column contained in the tables gives reference to the appropriate part(s) of EN 301 001-1 [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 EN 301 001-1 [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 [8], 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 [8], are used for the support column:

Yes	for supported/implemented
No	for not supported/not implemented
N/A	for not applicable

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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Operating system:

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A.2.3 Product supplier

Name:

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Address:

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....

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Telephone number:

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Facsimile number:

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Additional information:

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A.2.4 Client

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.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   Protocol Implementation Conformance Statement (PICS)/System Conformance Statement (SCS) relationship

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:

EN 301 001-1 (V1.1): "Integrated Services Digital Network (ISDN); Outgoing Call Barring (OCB) supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; 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.

A.6   Rs

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 the Outgoing Call Barring-User Controlled (OCB-UC) supplementary service?		O.1		[ ]Yes [ ]No
R 1.2	support the Outgoing Call Barring-Fixed (OCB—F) supplementary service?		O.1		[ ]Yes [ ]No
R 2.1	support user requirements?		O.2	9, 10	[ ]Yes [ ]No
R 2.2	support network requirements?		O.2	9, 10	[ ]Yes [ ]No
R 3.1	support requirements at the coincident S and T reference point?	R 2.2 R 2.1	O.3 O.4	9	[ ]Yes [ ]No
R 3.2	support procedures for interworking with private ISDNs at the T reference point?	R 2.2 R 2.1	O.3 O.4	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	9, 10	[ ]Yes [ ]No [ ]N/A
R 4.2	support user requirements at the interface of the called 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, 10	[ ]Yes [ ]No [ ]N/A
R 4.4	support network requirements at the interface of the called user?		N/A		N/A
O.1	Support of at least one of these options is required.				
O.2	Support of one and only one of these options is required.				
O.3	Support of at least one of these options is required.				
O.4	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 above is supported.

A.7.1 MC

Table A.2: MC - user

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MC 1	the request for the activation of the OCB-UC supplementary service?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	9.1.1, 10	[ ]Yes [ ]No [ ]N/A
MC 2	the request for the deactivation of the OCB-UC supplementary service?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	9.1.2, 10	[ ]Yes [ ]No [ ]N/A
MC 3	the procedures for the interrogation of the details of the instance(s) of the OCB-UC supplementary service?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	9.1.3, 10	[ ]Yes [ ]No [ ] [ ]N/A
MC 4	the outgoing call barring invocation procedures?	R 4.1 NOT R 4.1	M N/A	9.2, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7.2 SC

Table A.2A: SC - user

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
SC 1	the disabling procedure?	R 1.1 AND R 4.1 NOT (R 1.1 AND r 4.1)	M N/A	6.1, 9.2, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7.3 Protocol data units

No items requiring response.

A.7.4　Protocol data unit P

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	ActivationOcb return result?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.1, 10	[ ]Yes [ ]No [ ]N/A
P 1.2	ActivationOcb return error?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.1, 10	[ ]Yes [ ]No [ ]N/A
P 2.1	DeactivationOcb return result?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.2, 10	[ ]Yes [ ]No [ ]N/A
P 2.2	DeactivationOcb return error?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.2, 10	[ ]Yes [ ]No [ ]N/A
P 3	ActivationStatus NotificationOcb invoke?	R 1.1 AND R 4.1 AND R 3.1 NOT (R 1.1 AND R 4.1 AND R 3.1)	M N/A	7.1, 9.1.1	[ ]Yes [ ]No [ ]N/A
P 4	DeactivationStatus NotificationOcb invoke?	R 1.1 AND R 4.1 AND R 3.1 NOT (R 1.1 AND R 4.1 AND R 3.1)	M N/A	7.1, 9.1.2	[ ]Yes [ ]No [ ]N/A
P 5.1	InterrogationOcb return result?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.3, 10	[ ]Yes [ ]No [ ]N/A
P 5.2	InterrogationOcb return error?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.3, 10	[ ]Yes [ ]No [ ]N/A
P 6	DisableOcb return error?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.2, 10	[ ]Yes [ ]No [ ]N/A
P 7	OcbInvoked invoke ?	(R 1.1 OR R 1.2) AND R 4.1 NOT ((R 1.1 OR R 1.2) AND R 4.1)	M N/A	7.1, 9.2, 10	[ ]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 8	ActivationOcb invoke?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.1, 10	[ ]Yes [ ]No [ ]N/A
P 9	DeactivationOcb invoke?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.2, 10	[ ]Yes [ ]No [ ]N/A
P 10	InterrogationOcb invoke?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.1.3, 10	[ ]Yes [ ]No [ ]N/A
P 11	DisableOcb invoke?	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	7.1, 9.2, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

A.7.5   TM

Table A.5: TM - user

Item	Timers: **Does the implementation support...**	Conditions for status	Status	Reference	Support
TM 1	T-ACTIVATE? (value 10 s)	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	13; EN 300 196-1 [3] 10.2.7	[ ]Yes [ ]No [ ]N/A
TM 2	T-DEACTIVATE? (value 10 s)	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	13; EN 300 196-1 [3] 10.2.7	[ ]Yes [ ]No [ ]N/A
TM 3	T-INTERROGATE? (value 10 s)	R 1.1 AND R 4.1 NOT (R 1.1 AND R 4.1)	M N/A	13; EN 300 196-1 [3] 10.2.7	[ ]Yes [ ]No [ ]N/A
NOTE:	The generic support of these TM is specified in EN 300 196-1 [3]. The values are required by EN 301 001-1 [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   MC

Table A.6: MC - network

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MC 5.1	the provision of outgoing call barring supplementary service(s) on a per ISDN number basis?	R 4.3 NOT R 4.3	O.5 N/A	6.1	[ ]Yes [ ]No [ ] N/A
MC 5.2	the provision of outgoing call barring supplementary service(s) to the whole access?	R 4.3 NOT R 4.3	O.5 N/A	6.1	[ ]Yes [ ]No [ ] N/A
MC 6	the procedures associated with the activation, deactivation and interrogation of OCB-UC for all ISDN numbers on the same access?	MC 5.1 AND R 1.1 NOT (MC 5.1 AND R 1.1)	O N/A	6.1	[ ]Yes [ ]No [ ] N/A
MC 7	the procedures for activation of the OCB-UC supplementary service?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	9.1.1, 10	[ ]Yes [ ]No [ ] N/A
MC 8	the procedures for deactivation of the OCB-UC supplementary service?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	9.1.2, 10	[ ]Yes [ ]No [ ] N/A
MC 9	the procedures for interrogation of the details of the instance(s) of the OCB-UC supplementary service?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	9.1.3, 10	[ ]Yes [ ]No [ ] N/A
MC 10	the outgoing call barring invocation procedures?	R 4.3 NOT R 4.3	M N/A	9.2, 10	[ ]Yes [ ]No [ ] N/A
O.5	Support of at least one of these options is required.				
MC 11.1	the provision of outgoing call barring supplementary services for all basic services subscribed to by the served user?	R 4.3 NOT R 4.3	O.6 N/A	6.1	[ ]Yes [ ]No [ ] N/A
MC 11.2	the provision of outgoing call barring supplementary services for particular basic services identified by the served user?	R 4.3 NOT R 4.3	O.6 N/A	6.1	[ ]Yes [ ]No [ ] N/A
O.6	Support of at least one of these options is required.				
MC 12	the procedures for multiple active barring programs?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	O N/A	9.1.1, 9.1.2, 10	[ ]Yes [ ]No [ ] N/A
Comments:					

A.8.2   SC

Table A.7: SC - network

Item	Subsidiary capability: Does the implementation...	Conditions for Status	Status	Reference	Support
SC 2	support the disabling procedure?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	O N/A	6.1, 9.2, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

A.8.3   Protocol data units

No items requiring response.

A.8.4   Protocol data unit P

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

Item	Facility information element components: Does the implementation support...	Conditions for Status	Status	Reference	Support
P 12	ActivationOcb invoke?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.1, 10	[ ]Yes [ ]No [ ]N/A
P 13	DeactivationOcb invoke?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.2, 10	[ ]Yes [ ]No [ ]N/A
P 14	InterrogationOcb invoke?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.3, 10	[ ]Yes [ ]No [ ]N/A
P 15	DisableOcb invoke?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.2, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.9: Facility information element components transmitted by the network

Item	Facility information element components: Does the implementation support...	Conditions for Status	Status	Reference	Support
P 16.1	ActivationOcb return result?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.1, 10	[ ]Yes [ ]No [ ]N/A
P 16.2	ActivationOcb return error?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.1, 10	[ ]Yes [ ]No [ ]N/A
P 17.1	DeactivationOcb return result?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.2, 10	[ ]Yes [ ]No [ ]N/A
P 17.2	DeactivationOcb return error?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.2, 10	[ ]Yes [ ]No [ ]N/A
P 18	ActivationStatus NotificationOcb invoke?	R 1.1 AND R 4.3 AND R 3.1 NOT (R 1.1 AND R 4.3 AND R 3.1)	M N/A	7.1, 9.1.1	[ ]Yes [ ]No [ ]N/A
P 19	DeactivationStatus NotificationOcb invoke?	R 1.1 AND R 4.3 AND R 3.1 NOT (R 1.1 AND R 4.3 AND R 3.1)	M N/A	7.1, 9.1.2	[ ]Yes [ ]No [ ]N/A
P 20.1	InterrogationOcb return result?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.3, 10	[ ]Yes [ ]No [ ]N/A
P 20.2	InterrogationOcb return error?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.1.3, 10	[ ]Yes [ ]No [ ]N/A
P 21	DisableOcb return error?	R 1.1 AND R 4.3 NOT (R 1.1 AND R 4.3)	M N/A	7.1, 9.2, 10	[ ]Yes [ ]No [ ]N/A
P 22	OcbInvoked invoke ?	(R 1.1 OR R 1.2) AND R 4.3 NOT ((R 1.1 OR R 1.2) AND R 4.3)	M N/A	7.1, 9.2, 10	[ ]Yes [ ]No [ ]N/A
Comments:					

A.8.5   TM

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 EN 301 001-1 [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 ETS 300 196-2 [4]. All references are to EN 301 001-1 [5] unless otherwise stated.

Table B.1: Major capabilities - user

Item	Major capability: Does the implementation support...	Status base	Supplementary service 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	9, 10; EN 300 196-1 [3] 6.3, 8
MCu 2.2	bearer independent supplementary services procedure?	O	R 4.1 AND R 1.1 NOT (R 4.1 AND R 1.1)	M N/A	9.1, 10; EN 300 196-1 [3] 8.3.2
MCu 2.3	point-to-point (bearer related) transport mechanism?	C	R 4.1 NOT R 4.1	M N/A	9.2, 10; EN 300 196-1 [3] 8.3.1, 8.3.1.1
MCu 5	generic procedures for the supplementary services management?	O	R 4.1 AND R 1.1 NOT (R 4.1 AND R 1.1)	M N/A	9.1, 10; EN 300 196-1 [3] 10.2
MCu 5.1	activation?	C	R 4.1 AND R 1.1 NOT (R 4.1 AND R 1.1)	M N/A	9.1.1, 10; EN 300 196-1 [3] 10.2.2
MCu 5.2	deactivation?	C	R 4.1 AND R 1.1 NOT (R 4.1 AND R 1.1)	M N/A	9.1.2, 10; EN 300 196-1 [3] 10.2.3
MCu 5.3	interrogation?	C	R 4.1 AND R 1.1 NOT (R 4.1 AND R 1.1)	M N/A	9.1.3, 10; EN 300 196-1 [3] 10.2.4

Table B.2: Messages Transmitted (MT) - user

Item	Message: Does the implementation support...	Status base	Supplementary service conditions for status	SS status	Reference
MTu 1	the inclusion of FACILITY?	O	R 2.1 AND R 1.1 NOT (R 2.1 AND R 1.1)	M N/A	9, 10; EN 300 196-1 [3] 8.3, 11.1.1.1

Table B.3: Messages Received (MR) - user

Item	Message: Does the implementation support...	Status base	Supplementary service conditions for status	SS status	Reference
MRu 1	the interpretation of FACILITY?	O	R 2.1 AND R 1.1 NOT (R 2.1 AND R 1.1)	M N/A	9, 10; EN 300 196-1 [3] 8.3, 11.1.1.1

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]. All references are to EN 301 001-1 [5] unless otherwise stated.

Table B.4: Major capabilities - user

Item	Major capability: Does the implementation support...	Status base	Supplementary service conditions for status	SS status	Reference
MC 1.27	the OCB supplementary services interactions with other implemented supplementary services?	O	R 4.1 not R 4.1	M N/A	12; EN 300 195-1 [1] 5.50, 5.51, 5.52, 5.53, 5.54, 5.56, 5.55

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 ETS 300 196-2 [4]. All references are to EN 301 001-1 [5] unless otherwise stated.

Table B.5: Major capabilities - network

Item	Major capability: Does the implementation support...	Status base	Supplementary service 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	9, 10; EN 300 196-1 [3] 6.3, 8
MCn 2.2	bearer independent supplementary services procedure?	O	R 4.3 AND R 1.1 NOT (R 4.3 AND R 1.1)	M N/A	9.1, 10; EN 300 196-1 [3] 8.3.2
MCn 2.3	point-to-point (bearer related) transport mechanism?	C	R 4.3 NOT R 4.3	M N/A	9.2, 10; EN 300 196-1 [3] 8.3.1, 8.3.1.1
MCn 5	generic procedures for the supplementary services management?	O	R 4.3 AND R 1.1 NOT (R 4.3AND R 1.1)	M N/A	9.1, 10; EN 300 196-1 [3] 10.2
MCn 5.1	activation?	C	R 4.3 AND R 1.1 NOT (R 4.3 AND R 1.1)	M N/A	9.1.1, 10; EN 300 196-1 [3] 10.2.2
MCn 5.2	deactivation?	C	R 4.3 AND R 1.1 NOT (R 4.3 AND R 1.1)	M N/A	9.1.2, 10; EN 300 196-1 [3] 10.2.3
MCn 5.3	interrogation?	C	R 4.3 AND R 1.1 NOT (R 4.3 AND R 1.1)	M N/A	9.1.3, 10; EN 300 196-1 [3] 10.2.4

Table B.6: MT - network

Item	Message: Does the implementation supportive...	Status base	Supplementary service conditions for status	SS status	Reference
MTn 1	the inclusion o FACILITY?	O	R 2.2 and R 1.1 not (R 2.2 and R 1.1)	M N/A	9, 10; EN 300 196-1 [3] 8.3, 11.1.1.1

Table B.7: MR - 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; EN 300 196-1 [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]. All references are to EN 301 001-1 [5] unless otherwise stated.

Table B.8: Major capabilities - network

Item	Major capability: Does the implementation support...	Status base	Supplementary service conditions for status	SS status	Reference
MC 2.27	the OCB supplementary services interactions with other implemented supplementary services?	O	R 4.3 not R 4.3	M N/A	12; EN 300 195-1 [1] 5.50, 5.51, 5.52, 5.53, 5.54, 5.55, 5.56

History

Document history				
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