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Part 2: Protocol Implementation Conformance Statement (PICS)  
proforma specification**

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## Contents

Foreword .....	5
1 Scope .....	7
2 Normative references .....	7
3 Definitions .....	8
4 Symbols and abbreviations .....	8
5 Conformance .....	9
Annex A (normative): PICS proforma .....	10
A.1 Instructions for completing the PICS proforma .....	10
A.1.1 Identification of the implementation .....	10
A.1.2 Global statement of conformance .....	10
A.1.3 Explanation of PICS proforma subclauses .....	10
A.1.4 Symbols, abbreviations and terms .....	11
A.2 Identification of the implementation .....	11
A.2.1 Implementation Under Test (IUT) identification .....	11
A.2.2 System Under Test (SUT) identification .....	11
A.2.3 Product supplier .....	12
A.2.4 Client .....	12
A.2.5 PICS contact person .....	13
A.3 PICS/System Conformance Statement (SCS) .....	13
A.4 Identification of the protocol .....	13
A.5 Global statement of conformance .....	14
A.6 Roles .....	14
A.7 User .....	15
A.7.1 Major capabilities .....	15
A.7.2 Subsidiary capabilities .....	15
A.7.3 Protocol data units .....	15
A.7.4 Protocol data unit parameters .....	16
A.7.5 Timers .....	16
A.7.6 Call states .....	16
A.8 Network .....	17
A.8.1 Major capabilities .....	17
A.8.2 Subsidiary capabilities .....	17
A.8.3 Protocol data units .....	17
A.8.4 Protocol data unit parameters .....	18
A.8.5 Timers .....	18
A.8.6 Call states .....	18

Annex B (normative):	Requirements list .....	19
B.1	User .....	19
B.1.1	Requirements on items used in the basic call PICS .....	19
B.1.2	Requirements on items used in the generic functional protocol PICS .....	19
B.1.3	Requirements on items used in the supplementary service interactions PICS.....	20
B.2	Network.....	20
B.2.1	Requirements on items used in the basic call PICS .....	20
B.2.2	Requirements on items used in the generic functional protocol PICS .....	20
B.2.3	Requirements on items used in the supplementary service interactions PICS.....	22
History .....		23

## 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) Advice of Charge (AOC) 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 300 182-1 (1993), containing the protocol specification, was initially published as ETS 300 182 (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).

<b>Transposition dates</b>	
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 300 182 is applicable to the stage three of the Advice of Charge (AOC) 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 [10]) 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 [9]).

This ETS provides the Protocol Implementation Conformance Statement (PICS) proforma for the ISDN DSS1 AOC supplementary service protocol as specified in ETS 300 182-1 [2] 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 ETS 300 182-1 [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 300 182-1 (1993): "Integrated Services Digital Network (ISDN); Advice of Charge (AOC) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE: ETS 300 182-1 (1993) was initially published as ETS 300 182 (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] 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] CCITT Recommendation I.130 (1988): "Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN".
- [10] 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 300 182-1 [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 [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]).

### 4 Symbols and abbreviations

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

AND	Boolean "and"
AOC	Advice of Charge
AOC-D	Advice of Charge During the call
AOC-E	Advice of Charge at the End of the call
AOC-S	Advice of Charge at call Set-up time
C	Conditional requirement (to be observed if the relevant conditions apply)
CS	Call States
DSS1	Digital Subscriber Signalling System No. one
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
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
SC	Subsidiary Capabilities
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 300 182-1 [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

Notwithstanding the provisions of the copyright clause related to the text of this ETS, ETSI grants that users of this ETS 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 SCS as defined in ISO/IEC 9646-1 [7] 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 [8].

The reference column contained in the tables gives reference to the appropriate part(s) of ETS 300 182-1 [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 300 182-1 [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 [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:

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/System Conformance Statement (SCS)**

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:

**ETS 300 182-1 (1993):** "Integrated Services Digital Network (ISDN); Advice of Charge (AOC) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE: ETS 300 182-1 (1993) was initially published as ETS 300 182 (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.

### A.6 Roles

Table A.1: Roles

Item	Major role: Does the implementation...	Conditions for status	Status	Reference	Support
<b>Type of implementation</b>					
R 1	not used				
R 2.1	support user requirements?		O.1	9	<input type="checkbox"/> Yes <input type="checkbox"/> No
R 2.2	support network requirements?		O.1	9	<input type="checkbox"/> Yes <input type="checkbox"/> No
R 3	not used (note)		N/A		N/A
R 4.1	support user requirements at the interface of the served user?	R 2.1 NOT R 2.1	M N/A	9	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
R 4.4	support network requirements at the interface of the remote user?		N/A		N/A
O.1	Support of one and only one of these options is required.				
NOTE:	ETS 300 182-1 [2] provides identical requirements for the T reference point and for the coincident S and T reference point. Therefore, this PICS proforma makes no distinction between the different reference points.				
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	AOC-S?		O.2	1	[ ]Yes [ ]No
MC 2	AOC-D?		O.2	1	[ ]Yes [ ]No
MC 3	AOC-E?		O.2	1	[ ]Yes [ ]No
MC 4	the receipt of charging information in the call establishment phase (AOC-S)?	MC 1 NOT MC 1	M N/A	9.2.1	[ ]Yes [ ]No [ ]N/A
MC 5	the receipt of charging information in the Active state of a call (AOC-S and AOC-D)?	MC 1 OR MC 2 NOT (MC 1 OR MC 2)	M N/A	9.2.2	[ ]Yes [ ]No [ ]N/A
MC 6	the receipt of charging information in the call clearing phase (AOC-S, AOC-E and AOC-D)?	MC 1 OR MC 2 OR MC 3 NOT (MC 1 OR MC 2 OR MC 3)	M N/A	9.2.3	[ ]Yes [ ]No [ ]N/A
MC 7	the receipt of charging information without a bearer establishment at the user-network interface (AOC-E)?	MC 3 NOT MC 3	O N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
MC 8	the receipt of charging information as currency and charging units?	MC 2 OR MC 3 NOT (MC 2 OR MC 3)	O N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 9	the receipt of charging information as currency and as special charging arrangement?	MC 1 NOT MC 1	O N/A	9.2	[ ]Yes [ ]No [ ]N/A
O.2	Support of at least of one of these options is required.				
Comments:					

### A.7.2 Subsidiary capabilities

Table A.3: Subsidiary capabilities - user

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
SC 1	the AOC-S service on a per call basis?	MC 1 NOT MC 1	O N/A	9.1.1	[ ]Yes [ ]No [ ]N/A
SC 2	the AOC-D service on a per call basis?	MC 2 NOT MC 2	O N/A	9.1.1	[ ]Yes [ ]No [ ]N/A
SC 3	the AOC-E service on a per call basis?	MC 3 NOT MC 3	O N/A	9.1.1	[ ]Yes [ ]No [ ]N/A
Comments:					

### A.7.3 Protocol data units

No items requiring response.

**A.7.4 Protocol data unit parameters**

**Table A.4: Facility information element components received - user**

Item	Facility information element components: Does the implementation support the interpretation of...	Conditions for status	Status	Reference	Support
P 1	ChargingRequest				
P 1.1	ChargingRequest return result component?	SC 1 OR SC 2 OR SC 3 NOT (SC 1 OR SC 2 OR SC 3)	M N/A	9.1, 9.2.1	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
P 1.2	ChargingRequest return error component?	SC 1 OR SC 2 OR SC 3 NOT (SC 1 OR SC 2 OR SC 3)	M N/A	9.2.1	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
P 2	AOCSCurrency invoke component?	MC 1 NOT MC 1	M N/A	9.2.1, 9.2.2, 9.2.3	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
P 3	AOCSSpecialArr invoke component?	MC 1 NOT MC 1	M N/A	9.2.1, 9.2.2, 9.2.3	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
P 4	AOCDCurrency invoke component?	MC 2 NOT MC 2	M N/A	9.2.2, 9.2.3	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
P 5	AOCDChargingUnit invoke component?	MC 2 NOT MC 2	M N/A	9.2.2, 9.2.3	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
P 6	AOCECurrency invoke component?	MC 3 NOT MC 3	M N/A	9.2.3, 9.2.4	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
P 7	AOCEChargingUnit invoke component?	MC 3 NOT MC 3	M N/A	9.2.3, 9.2.4	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Comments:					

**Table A.5: Facility information element components transmitted - user**

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 8	the inclusion of the ChargingRequest invoke component?	SC 1 OR SC 2 OR SC 3 NOT (SC 1 OR SC 2 OR SC 3)	M N/A	9.2.1, 9.2.2	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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...	Conditions for status	Status	Reference	Support
MC 10	support AOC-S?		O.3	1	[ ]Yes [ ]No
MC 11	support AOC-D?		O.3	1	[ ]Yes [ ]No
MC 12	support AOC-E?		O.3	1	[ ]Yes [ ]No
MC 13	support the transfer of charging information in support the call establishment phase (AOC-S)?	MC 10 NOT MC 10	M N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 14	support the transfer of charging information in the Active state of a call (AOC-S and AOC-D)?	MC 10 OR MC 11 NOT (MC 10 OR MC 11)	M N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 15	support the transfer of charging information in the call clearing phase (AOC-E and AOC-D)?	MC 11 OR MC 12 NOT (MC 11 OR MC 12)	M N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 16	support the transfer of charging information in the call clearing phase (AOC-S)?	MC 10 NOT MC 10	O N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 17	support the transfer of charging information without a bearer establishment at the user-network interface (AOC-E)?	MC 12 NOT MC 12	O N/A	9.2.4	[ ]Yes [ ]No [ ]N/A
MC 18	<b>provide charging information based on charging units...</b>				
MC 18.1	AOC-S?	MC 10 NOT MC 10	O N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 18.1	AOC-D?	MC 11 NOT MC 11	O.4 N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 18.1	AOC-E?	MC 12 NOT MC 12	O.5 N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 19	<b>provide charging information based on currency units...</b>				
MC 19.1	AOC-D?	MC 11 NOT MC 11	O.4 N/A	9.2	[ ]Yes [ ]No [ ]N/A
MC 19.1	AOC-E?	MC 12 NOT MC 12	O.5 N/A	9.2	[ ]Yes [ ]No [ ]N/A
O.3	Support of at least one of these options is required.				
O.4	Support of at least one of these options is required.				
O.5	Support of at least one of these options is required.				
Comments:					

### A.8.2 Subsidiary capabilities

**Table A.7: Subsidiary capabilities - network**

Item	Subsidiary capability: Does the implementation...	Conditions for status	Status	Reference	Support
SC 4	retain the charging information for a suspended call as long as it retains the call identity?		O	6.2	[ ]Yes [ ]No [ ]N/A
Comments:					

### A.8.3 Protocol data units

No items requiring response.

**A.8.4 Protocol data unit parameters**

**Table A.8: Facility information element components received - network**

Item	Facility information element components: Does the implementation support...	Conditions for status	Status	Reference	Support
P 9	the inclusion of the ChargingRequest invoke component?		M	9.2.1, 9.2.2	[ ]Yes [ ]No
Comments:					

**Table A.9: 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 10	ChargingRequest				
P 10.1	ChargingRequest return result component?		M	9.1, 9.2.1	[ ]Yes [ ]No
P 10.2	ChargingRequest return error component?		M	9.2.1	[ ]Yes [ ]No
P 11	AOCSCurrency invoke component?	MC 10 NOT MC 10	M N/A	9.2.1, 9.2.2, 9.2.3	[ ]Yes [ ]No [ ]N/A
P 12	AOCSSpecialArr invoke component?	MC 10 NOT MC 10	O N/A	9.2.1, 9.2.2, 9.2.3	[ ]Yes [ ]No [ ]N/A
P 13	AOCDCurrency invoke component?	MC 11 NOT MC 11	O.6 N/A	9.2.2, 9.2.3	[ ]Yes [ ]No [ ]N/A
P 14	AOCDChargingUnit invoke component?	MC 11 NOT MC 11	O.6 N/A	9.2..2, 9.2.3	[ ]Yes [ ]No [ ]N/A
P 15	AOCECurrency invoke component?	MC 12 NOT MC 12	O.7 N/A	9.2.3, 9.2.4	[ ]Yes [ ]No [ ]N/A
P 16	AOCEChargingUnit invoke component?	MC 12 NOT MC 12	O.7 N/A	9.2.3, 9.2.4	[ ]Yes [ ]No [ ]N/A
O.6	Support of at least one of these options is required.				
O.7	Support of at least one of these options is required.				
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 300 182-1 [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 300 182-1 [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

#### 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 300 182-1 [2] unless otherwise stated.

**Table B.2: 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?	C	R 4.1 NOT R 4.1	M N/A	9.2
MCu 2.1	bearer related supplementary services procedure?	C	R 4.1 NOT R 4.1	M N/A	9.2
MCu 2.2	bearer independent supplementary services procedure?	C	MC 7 NOT MC 7	M N/A	9.2.4
MCu 2.3	point-to-point (bearer related) transport mechanism?	C	R 4.1 NOT R 4.1	M N/A	9.2
MCu 2.6	point-to-point (bearer independent) connectionless transport mechanism?	C	MC 7 NOT MC 7	O.1 N/A	9.2.4
MCu 2.7	broadcast (bearer independent) connectionless transport mechanism?	C	MC 7 NOT MC 7	O.1 N/A	9.2.4
O.1	Support of at least one of these options is required.				

**Table B.3: 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

**Table B.4: SETUP PDU parameters transmitted - user**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETu 21.1	the inclusion of Facility?	O	SC 1 OR SC 2 OR SC 3 NOT (SC 1 OR SC 2 OR SC 3)	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 300 182-1 [2] unless otherwise stated.

**Table B.5: Major capabilities - user**

Item	Major capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MC 1.12	the AOC-S supplementary service interactions with other implemented supplementary services?	O	MC 1 NOT MC 1	M N/A	12
MC 1.13	the AOC-D supplementary service interactions with other implemented supplementary services?	O	MC 2 NOT MC 2	M N/A	12
MC 1.14	the AOC-E supplementary service interactions with other implemented supplementary services?	O	MC 3 NOT MC 3	M N/A	12

## B.2 Network

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

No requirements on items.

### 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 300 182-1 [2] unless otherwise stated.

**Table B.6: 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?	C	R 4.3 NOT R 4.3	M N/A	9.2
MCn 2.1	bearer related supplementary services procedure?	C	R 4.3 NOT R 4.3	M N/A	9.2
MCn 2.2	bearer independent supplementary services procedure?	C	MC 17 NOT MC 17	M N/A	9.2.4
MCn 2.3	point-to-point (bearer related) transport mechanism?	C	R 4.3 NOT R 4.3	M N/A	9.2
MCn 2.6	point-to-point (bearer independent) connectionless transport mechanism?	C	MC 17 NOT MC 17	O.2 N/A	9.2.4
MCn 2.7	broadcast (bearer independent) connectionless transport mechanism?	C	MC 17 NOT MC 17	O.2 N/A	9.2.4
O.2	Support of at least one of these options is required.				

**Table B.7: 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

**Table B.8: 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	MC 14 OR MC 17 NOT (MC 14 OR MC 17)	M N/A	9.2.2, 9.2.4

**Table B.9: ALERTING PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 9.1	the inclusion of Facility?	O	R 2.2 NOT R 2.2	M N/A	9.1, 9.2.1

**Table B.10: CALL PROCEEDING PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 10.1	the inclusion of Facility?	O	R 2.2 NOT R 2.2	M N/A	9.1, 9.2.1

**Table B.11: CONNECT PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 11.1	the inclusion of Facility?	O	R 2.2 NOT R 2.2	M N/A	9.1, 9.2.1

**Table B.12: PROGRESS PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 15.1	the inclusion of Facility?	O	R 2.2 NOT R 2.2	M N/A	9.1, 9.2.1

**Table B.13: SETUP ACKNOWLEDGE PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 22.1	the inclusion of Facility?	O	R 2.2 NOT R 2.2	M N/A	9.1, 9.2.1

**Table B.14: DISCONNECT PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 13.1	the inclusion of Facility?	O	MC 15 OR MC 16 NOT (MC 15 OR MC 16)	M N/A	9.2.3

**Table B.15: RELEASE PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 16.1	the inclusion of Facility?	O	MC 15 OR MC 16 NOT (MC 15 OR MC 16)	M N/A	9.2.3

**Table B.16: RELEASE COMPLETE PDU parameters transmitted - network**

Item	Message: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
IETn 17.1	the inclusion of Facility?	O	MC 15 OR MC 16 NOT (MC 15 OR MC 16)	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 300 182-1 [2] unless otherwise stated.

**Table B.17: Major capabilities - network**

Item	Major capability: Does the implementation support...	Status base	SS conditions for status	SS status	Reference
MC 2.12	the AOC-S supplementary service interactions with other implemented supplementary services?	O	MC 10 NOT MC 10	M N/A	12
MC 2.13	the AOC-D supplementary service interactions with other implemented supplementary services?	O	MC 11 NOT MC 11	M N/A	12
MC 2.14	the AOC-E supplementary service interactions with other implemented supplementary services?	O	MC 12 NOT MC 12	M N/A	12

## History

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