

**Open Service Access (OSA);  
Application Programming Interface (API);  
Implementation Conformance Statement (ICS)  
proforma specification for Framework and SCFs**

---



---

Reference

DES/SPAN-120092

---

Keywords

API, OSA, ICS

**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://portal.etsi.org/tb/status/status.asp>

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

[editor@etsi.org](mailto:editor@etsi.org)

---

**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 2003.  
All rights reserved.

**DECT™**, **PLUGTESTS™** and **UMTS™** are Trade Marks of ETSI registered for the benefit of its Members.  
**TIPHON™** and the **TIPHON logo** are Trade Marks currently being registered by ETSI for the benefit of its Members.  
**3GPP™** is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

# Contents

Intellectual Property Rights .....	8
Foreword.....	8
1 Scope .....	9
2 References .....	9
3 Definitions and abbreviations.....	10
3.1 Definitions .....	10
3.2 Abbreviations .....	10
4 Conformance .....	10
<b>Annex A (normative): ICS proforma for Framework and SCFs - General.....</b>	<b>11</b>
A.1 Guidance for completing the ICS proforma .....	11
A.1.1 Purposes and structure.....	11
A.1.2 Abbreviations and conventions .....	11
A.1.3 Instructions for completing the ICS proforma.....	12
A.2 Identification of the implementation .....	13
A.2.1 Product supplier.....	13
A.2.2 Client (if different from product supplier).....	13
A.3 Identification of the protocol.....	14
A.4 Global statement of conformance.....	14
A.5 General .....	14
A.5.1 Functionalities .....	14
<b>Annex B (normative): ICS proforma for ES 201 915-3 framework functionalities.....</b>	<b>15</b>
B.1 Guidance for completing the ICS proforma .....	15
B.1.1 Purposes and structure.....	15
B.1.2 Abbreviations and conventions .....	15
B.1.3 Instructions for completing the ICS proforma.....	15
B.2 Identification of the implementation .....	16
B.2.1 Date of the statement.....	16
B.2.2 Implementation under test identification.....	16
B.2.3 System under test identification .....	16
B.2.4 PICS contact person .....	16
B.3 Identification of the protocol.....	17
B.4 Global statement of conformance.....	17
B.5 Framework Functionalities.....	17
B.5.1 Roles.....	17
B.5.2 APIs.....	17
B.5.2.1 Access Session API .....	18
B.5.2.1.1 Service Capability Server Role .....	18
B.5.2.1.1.1 Interfaces .....	18
B.5.2.1.1.2 Methods .....	18
B.5.2.1.2 Framework Role.....	18
B.5.2.1.2.1 Interfaces .....	18
B.5.2.1.2.2 Methods .....	19
B.5.2.2 Framework-to-Application API.....	20
B.5.2.2.1 Interfaces .....	20
B.5.2.2.2 Methods.....	20
B.5.2.3 Framework-to-Enterprise Operator API .....	22

B.5.2.3.1	Interfaces .....	22
B.5.2.3.2	Methods.....	22
B.5.2.4	Framework-to-Service API.....	23
B.5.2.4.1	Service Capability Server Role .....	23
B.5.2.4.1.1	Interfaces .....	23
B.5.2.4.1.2	Methods .....	24
B.5.2.4.2	Framework Role.....	25
B.5.2.4.2.1	Interfaces .....	25
B.5.2.4.2.2	Methods .....	25

## **Annex C (normative): ICS proforma for ES 201 915-4 Call Control SCF .....28**

C.1	Guidance for completing the ICS proforma .....	28
C.1.1	Purposes and structure.....	28
C.1.2	Abbreviations and conventions .....	28
C.1.3	Instructions for completing the ICS proforma.....	28
C.2	Identification of the implementation .....	29
C.2.1	Date of the statement.....	29
C.2.2	Implementation under test identification .....	29
C.2.3	System under test identification .....	29
C.2.4	PICS contact person .....	29
C.3	Identification of the protocol.....	30
C.4	Global statement of conformance.....	30
C.5	Call Control SCF Functionalities .....	30
C.5.1	Major capabilities.....	30
C.5.2	Interfaces .....	31
C.5.2.1	Interfaces for Generic Call Control Service.....	31
C.5.2.2	Interfaces for MultiParty Call Control Service .....	31
C.5.2.3	Interfaces for MultiMedia Call Control Service .....	31
C.5.2.4	Interfaces for Conference Call Control Service.....	31
C.5.3	Methods.....	32
C.5.3.1	Methods for Generic Call Control Service .....	32
C.5.3.2	Methods for MultiParty Call Control Service.....	32
C.5.3.3	Methods for MultiMedia Call Control Service .....	34
C.5.3.4	Methods for Conference Call Control Service.....	36

## **Annex D (normative): ICS proforma for ES 201 915-5 User Interaction SCF.....38**

D.1	Guidance for completing the ICS proforma .....	38
D.1.1	Purposes and structure.....	38
D.1.2	Abbreviations and conventions .....	38
D.1.3	Instructions for completing the ICS proforma.....	38
D.2	Identification of the implementation .....	39
D.2.1	Date of the statement.....	39
D.2.2	Implementation under test identification .....	39
D.2.3	System under test identification .....	39
D.2.4	PICS contact person .....	39
D.3	Identification of the protocol.....	40
D.4	Global statement of conformance.....	40
D.5	User Interaction SCF Functionalities .....	40
D.5.1	Interfaces .....	40
D.5.2	Methods.....	41

## **Annex E (normative): ICS proforma for ES 201 915-6 Mobility SCF.....42**

E.1	Guidance for completing the ICS proforma .....	42
E.1.1	Purposes and structure.....	42
E.1.2	Abbreviations and conventions .....	42

E.1.3	Instructions for completing the ICS proforma.....	42
E.2	Identification of the implementation .....	42
E.2.1	Date of the statement.....	42
E.2.2	Implementation under test identification.....	43
E.2.3	System under test identification .....	43
E.2.4	PICS contact person .....	43
E.3	Identification of the protocol.....	44
E.4	Global statement of conformance.....	44
E.5	Mobility SCF Functionalities .....	44
E.5.1	Major capabilities.....	44
E.5.2	Interfaces .....	44
E.5.3	Methods.....	45
<b>Annex F (normative): ICS proforma for ES 201 915-7 Terminal Capabilities SCF .....</b>		<b>47</b>
F.1	Guidance for completing the ICS proforma .....	47
F.1.1	Purposes and structure.....	47
F.1.2	Abbreviations and conventions .....	47
F.1.3	Instructions for completing the ICS proforma.....	47
F.2	Identification of the implementation .....	48
F.2.1	Date of the statement.....	48
F.2.2	Implementation under test identification.....	48
F.2.3	System under test identification .....	48
F.2.4	PICS contact person .....	48
F.3	Identification of the protocol.....	49
F.4	Global statement of conformance.....	49
F.5	Terminal Capabilities SCF Functionalities .....	49
F.5.1	Interfaces .....	49
F.5.2	Methods.....	49
<b>Annex G (normative): ICS proforma for ES 201 915-8 Data Session Control SCF.....</b>		<b>50</b>
G.1	Guidance for completing the ICS proforma .....	50
G.1.1	Purposes and structure.....	50
G.1.2	Abbreviations and conventions .....	50
G.1.3	Instructions for completing the ICS proforma.....	50
G.2	Identification of the implementation .....	51
G.2.1	Date of the statement.....	51
G.2.2	Implementation under test identification.....	51
G.2.3	System under test identification .....	51
G.2.4	PICS contact person .....	51
G.3	Identification of the protocol.....	52
G.4	Global statement of conformance.....	52
G.5	Data Session Control SCF Functionalities .....	52
G.5.1	Interfaces .....	52
G.5.2	Methods.....	52
<b>Annex H (normative): ICS proforma for ES 201 915-9 Generic Messaging SCF .....</b>		<b>54</b>
H.1	Guidance for completing the ICS proforma .....	54
H.1.1	Purposes and structure.....	54
H.1.2	Abbreviations and conventions .....	54
H.1.3	Instructions for completing the ICS proforma.....	54
H.2	Identification of the implementation .....	55
H.2.1	Date of the statement.....	55

H.2.2	Implementation under test identification .....	55
H.2.3	System under test identification .....	55
H.2.4	PICS contact person .....	55
H.3	Identification of the protocol .....	56
H.4	Global statement of conformance .....	56
H.5	Generic Messaging SCF Functionalities .....	56
H.5.1	Interfaces .....	56
H.5.2	Methods .....	57
<b>Annex I (normative): ICS proforma for ES 201 915-10 Connectivity Manager SCF .....</b>		<b>58</b>
I.1	Guidance for completing the ICS proforma .....	58
I.1.1	Purposes and structure .....	58
I.1.2	Abbreviations and conventions .....	58
I.1.3	Instructions for completing the ICS proforma .....	58
I.2	Identification of the implementation .....	59
I.2.1	Date of the statement .....	59
I.2.2	Implementation under test identification .....	59
I.2.3	System under test identification .....	59
I.2.4	PICS contact person .....	59
I.3	Identification of the protocol .....	60
I.4	Global statement of conformance .....	60
I.5	Connectivity Manager SCF Functionalities .....	60
I.5.1	Interfaces .....	60
I.5.2	Methods .....	61
<b>Annex J (normative): ICS proforma for ES 201 915-11 Account Management SCF .....</b>		<b>63</b>
J.1	Guidance for completing the ICS proforma .....	63
J.1.1	Purposes and structure .....	63
J.1.2	Abbreviations and conventions .....	63
J.1.3	Instructions for completing the ICS proforma .....	63
J.2	Identification of the implementation .....	64
J.2.1	Date of the statement .....	64
J.2.2	Implementation under test identification .....	64
J.2.3	System under test identification .....	64
J.2.4	PICS contact person .....	64
J.3	Identification of the protocol .....	65
J.4	Global statement of conformance .....	65
J.5	Account Management SCF Functionalities .....	65
J.5.1	Interfaces .....	65
J.5.2	Methods .....	66
<b>Annex K (normative): ICS proforma for ES 201 915-12 Charging SCF .....</b>		<b>67</b>
K.1	Guidance for completing the ICS proforma .....	67
K.1.1	Purposes and structure .....	67
K.1.2	Abbreviations and conventions .....	67
K.1.3	Instructions for completing the ICS proforma .....	67
K.2	Identification of the implementation .....	68
K.2.1	Date of the statement .....	68
K.2.2	Implementation under test identification .....	68
K.2.3	System under test identification .....	68
K.2.4	PICS contact person .....	68
K.3	Identification of the protocol .....	69

K.4	Global statement of conformance.....	69
K.5	Charging SCF Functionalities .....	69
K.5.1	Major capabilities .....	69
K.5.2	Interfaces .....	69
K.5.3	Methods.....	70
History	.....	71

---

## 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://webapp.etsi.org/IPR/home.asp>).

All published ETSI deliverables shall include information which directs the reader to the above source of information.

---

## Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN), and is now submitted for the ETSI standards Membership Approval Procedure.

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).



---

# 1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for the Application Programming Interface for Open Service Access (OSA) defined in ES 201 915 [1] to [12] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [14] and ETS 300 406 [15].

The supplier of an implementation which is claimed to conform to a part of ES 201 915 [1] to [12] is required to complete a copy of the ICS proforma provided in annex A through to annex J of the present document and is required to provide the information necessary to identify 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 and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

- [1] ETSI ES 201 915-1: "Open Service Access (OSA); Application Programming Interface (API); Part 1: Overview".
- [2] ETSI ES 201 915-2: "Open Service Access (OSA); Application Programming Interface (API); Part 2: Common Data Definitions".
- [3] ETSI ES 201 915-3: "Open Service Access (OSA); Application Programming Interface (API); Part 3: Framework".
- [4] ETSI ES 201 915-4: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control SCF".
- [5] ETSI ES 201 915-5: "Open Service Access (OSA); Application Programming Interface (API); Part 5: User Interaction SCF".
- [6] ETSI ES 201 915-6: "Open Service Access (OSA); Application Programming Interface (API); Part 6: Mobility SCF".
- [7] ETSI ES 201 915-7: "Open Service Access (OSA); Application Programming Interface (API); Part 7: Terminal Capabilities SCF".
- [8] ETSI ES 201 915-8: "Open Service Access (OSA); Application Programming Interface (API); Part 8: Data Session Control SCF".
- [9] ETSI ES 201 915-9: "Open Service Access (OSA); Application Programming Interface (API); Part 9: Generic Messaging SCF".
- [10] ETSI ES 201 915-10: "Open Service Access (OSA); Application Programming Interface (API); Part 10: Connectivity Manager SCF".
- [11] ETSI ES 201 915-11: "Open Service Access (OSA); Application Programming Interface (API); Part 11: Account Management SCF".
- [12] ETSI ES 201 915-12: "Open Service Access (OSA); Application Programming Interface (API); Part 12: Charging SCF".

- [13] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [14] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
- [15] ETSI ETS 300 406: "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

## 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of the present document, the terms and definitions given in ES 201 915 [1] to [12], ISO/IEC 9646-1 [13] and ISO/IEC 9646-7 [14] and the following apply:

**API ICS:** ICS for an implementation or system claimed to conform to a given API specification

**Implementation Conformance Statement (ICS):** statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented

NOTE: The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

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

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

### 3.2 Abbreviations

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

API ICS	Application Programming Interface
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
PICS	Protocol Implementation Conformance Statement
SCS	System Conformance Statement
SUT	System Under Test

## 4 Conformance

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

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

---

## Annex A (normative): ICS proforma for Framework and SCFs - General

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.

---

### A.1 Guidance for completing the ICS proforma

#### A.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915 [1] to [12] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the protocol;
- global statement of conformance;
- roles;
- functionalities.

#### A.1.2 Abbreviations and conventions

The ICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [14].

##### **Item column**

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

##### **Item description column**

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

##### **Status column**

The following notations, defined in ISO/IEC 9646-7 [14], are used for the status column:

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

- ci:** Conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table.

##### **Reference column**

The reference column makes reference to parts of ES 201 915 [1] to [12], except where explicitly stated otherwise.

### Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [14], are used for the support column:

**Y or y:** supported by the implementation.

**N or n:** not supported by the implementation.

**N/A, n/a or -:** no answer required (allowed only if the status is n/a, directly or after evaluation of a conditional status).

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

### References to items

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

EXAMPLE 1: A.5/4 is the reference to the answer of item 4 in table A.5.

EXAMPLE 2: A.6/3b is the reference to the second answer (i.e. in the second support column) of item 3 in table A.6.

### Prerequisite line

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

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

## A.1.3 Instructions for completing the ICS proforma

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

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

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

---

## A.2 Identification of the implementation

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

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

### A.2.1 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

### A.2.2 Client (if different from product supplier)

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

---

## A.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915 [1] to [12]: "Open Service Access (OSA); Application Programming Interface (API)".

---

## A.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915 specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

---

## A.5 General

### A.5.1 Functionalities

**Table A.1: Functionalities**

Item	Major role: Does the implementation support the functionalities described in:	Reference	Status	Support
F1	Framework	ES 201 915-3 [3]	m	
F2	Call Control SCF	ES 201 915-4 [4]	o	
F3	User Interaction SCF	ES 201 915-5 [5]	o	
F4	Mobility SCF	ES 201 915-6 [6]	o	
F5	Terminal Capabilities SCF	ES 201 915-7 [7]	o	
F6	Data Session Control SCF	ES 201 915-8 [8]	o	
F7	Generic Messaging SCF	ES 201 915-9 [9]	o	
F8	Connectivity Manager SCF	ES 201 915-10 [10]	o	
F9	Account Management SCF	ES 201 915-11 [11]	o	
F10	Charging SCF	ES 201 915-12 [12]	o	

Note that an SCF implementation shall support at least some of the interfaces described in the Framework document ES 201 915-3 [3] and that therefore annex B shall always be completed.

---

## Annex B (normative): ICS proforma for ES 201 915-3 framework functionalities

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### B.1 Guidance for completing the ICS proforma

#### B.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-3 [3] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### B.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### B.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## B.2 Identification of the implementation

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

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

### B.2.1 Date of the statement

.....

### B.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

### B.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### B.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....



E-mail address:

.....

Additional information:

.....

.....

.....

## B.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-3 [3]: "Open Service Access (OSA); Application Programming Interface (API); Part 3: Framework".

## B.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-3 [3]. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

## B.5 Framework Functionalities

This clause contains the ICS proforma tables related to the Framework functionalities.

### B.5.1 Roles

Table B.1: Roles

Item	Major role: Does the implementation support:	Reference	Status	Support
R1	the Service Capability Server role?	ES 201 915-3 [3], clause 4	o.1	
R2	the Framework role?	ES 201 915-3 [3], clause 4	o.1	
o.1: It is mandatory to support at least one of these items.				

### B.5.2 APIs

Table B.2: APIs

Item	API: Does the implementation support:	Reference	Status	Support
API1	Access Session API?	ES 201 915-3 [3], clause 6	c.1	
API2	Framework-to-Application API?	ES 201 915-3 [3], clause 7	c.2	
API3	Framework-to-Enterprise Operator API?	ES 201 915-3 [3], clause 8	c.3	
API4	Framework-to-Service API?	ES 201 915-3 [3], clause 9	m	
c.1: m, if R2 supported, else o.				
c.2: m, if R2 supported, else N/A.				
c.3: o, if R2 supported, else N/A.				

## B.5.2.1 Access Session API

Prerequisite: B.2/API1

### B.5.2.1.1 Service Capability Server Role

Prerequisite: B.1/R1

#### B.5.2.1.1.1 Interfaces

**Table B.3: Interfaces for Access Session API**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
SCS_AS_I1	IpClientAccess	ES 201 915-3 [3], clause 6.3.1.2	m	
SCS_AS_I2	IpClientAPILevelAuthentication	ES 201 915-3 [3], clause 6.3.1.1	o	

#### B.5.2.1.1.2 Methods

**Table B.4: IpClientAccess**

Prerequisite: B3/SCS\_AS\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
CA1	terminateAccess	ES 201 915-3 [3] , clause6.3.1.2	m	

**Table B.5: IpClientAPILevelAuthentication**

Prerequisite: B3/SCS\_AS\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
CAA1	authenticate	ES 201 915-3 [3], clause 6.3.1.1	m	
CAA2	abortAuthentication	ES 201 915-3 [3], clause 6.3.1.1	m	
CAA3	authenticationSucceeded	ES 201 915-3 [3], clause 6.3.1.1	m	

### B.5.2.1.2 Framework Role

Prerequisite: B.1/R2

#### B.5.2.1.2.1 Interfaces

**Table B.6: Interfaces for Access Session API**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
FW_AS_I1	IpInitial	ES 201 915-3 [3], clause 6.3.1.3	m	
FW_AS_I2	IpAccess	ES 201 915-3 [3], clause 6.3.1.6	m	
FW_AS_I3	IpAPILevelAuthentication	ES 201 915-3 [3], clause 6.3.1.5	o.2	
FW_AS_I4	IpAuthentication	ES 201 915-3 [3], clause 6.3.1.4	o.2	

o.2: It is mandatory to support at least one of these items.

## B.5.2.1.2.2 Methods

**Table B.7: IpInitial Methods**

Prerequisite: B6/FW\_AS\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
IN1	initiateAuthentication	ES 201 915-3 [3], clause 6.3.1.3	m	

**Table B.8: IpAccess Methods**

Prerequisite: B6/FW\_AS\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
A1	obtainInterface	ES 201 915-3 [3], clause 6.3.1.6	m	
A2	obtainInterfaceWithCallBack	ES 201 915-3 [3], clause 6.3.1.6	m	
A3	endAccess	ES 201 915-3 [3], clause 6.3.1.6	m	
A4	listInterfaces	ES 201 915-3 [3], clause 6.3.1.6	o	
A5	releaseInterface	ES 201 915-3 [3], clause 6.3.1.6	o	

**Table B.9: IpAPILevelAuthentication Methods**

Prerequisite: B6/FW\_AS\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
AAut1	selectEncryptionMethod	ES 201 915-3 [3], clause 6.3.1.5	m	
AAut2	authenticate	ES 201 915-3 [3], clause 6.3.1.5	m	
AAut3	abortAuthentication	ES 201 915-3 [3], clause 6.3.1.5	m	
AAut4	authenticationSucceeded	ES 201 915-3 [3], clause 6.3.1.5	m	
AAut5	requestAccess	ES 201 915-3 [3], clause 6.3.1.5	m	

**Table B.10: IpAuthentication Methods**

Prerequisite: B6/FW\_AS\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
Aut1	requestAccess	ES 201 915-3 [3], clause 6.3.1.4	m	

## B.5.2.2 Framework-to-Application API

Prerequisite: B.2/API2

### B.5.2.2.1 Interfaces

**Table B.11: Interfaces for Framework-to-Application API**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
FA_I1	IpServiceDiscovery	ES 201 915-3 [3], clause 7.3.1.1	m	
FA_I2	IpServiceAgreementManagement	ES 201 915-3 [3], clause 7.3.2.2	m	
FA_I3	IpFaultManager	ES 201 915-3 [3], clause 7.3.3.2	o	
FA_I4	IpHeartBeatMgmt	ES 201 915-3 [3], clause 7.3.3.5	o	
FA_I5	IpHeartBeat	ES 201 915-3 [3], clause 7.3.3.6	o	
FA_I6	IpLoadManager	ES 201 915-3 [3], clause 7.3.3.8	o	
FA_I7	IpOAM	ES 201 915-3 [3], clause 7.3.3.9	o	
FA_I8	IpEventNotification	ES 201 915-3 [3], clause 7.3.4.2	o	

### B.5.2.2.2 Methods

**Table B.12: IpServiceDiscovery Methods**

Prerequisite: B.11/FA\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
SD1	listServiceTypes	ES 201 915-3 [3], clause 7.3.1.1	m	
SD2	describeServiceType	ES 201 915-3 [3], clause 7.3.1.1	m	
SD3	discoverService	ES 201 915-3 [3], clause 7.3.1.1	m	
SD4	listSubscribedServices	ES 201 915-3 [3], clause 7.3.1.1	o	

**Table B.13: IpServiceAgreementManagement Methods**

Prerequisite: B.11/FA\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
SA1	signServiceAgreement	ES 201 915-3 [3], clause 7.3.2.2	m	
SA2	terminateServiceAgreement	ES 201 915-3 [3], clause 7.3.2.2	m	
SA3	selectService	ES 201 915-3 [3], clause 7.3.2.2	m	
SA4	initiatesignServiceAgreement	ES 201 915-3 [3], clause 7.3.2.2	m	

**Table B.14: IpFaultManager Methods**

Prerequisite: B.11/FA\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
FM1	activityTestReq	ES 201 915-3 [3], clause 7.3.3.2	o.3	
FM2	appActivityTestRes	ES 201 915-3 [3], clause 7.3.3.2	o.3	
FM3	svcUnavailabledInd	ES 201 915-3 [3], clause 7.3.3.2	o.3	
FM4	genFaultStatsRecordReq	ES 201 915-3 [3], clause 7.3.3.2	o.3	
FM5	appUnavailableInd	ES 201 915-3 [3], clause 7.3.3.2	o.3	
FM6	appActivityTestErr	ES 201 915-3 [3], clause 7.3.3.2	o.3	
o.3: It is mandatory to support at least one of these items				

**Table B.15: IpHeartBeatMgmt Methods**

Prerequisite: B.11/FA\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
HM1	enableHeartBeat	ES 201 915-3 [3], clause 7.3.3.5	m	
HM2	disableHeartBeat	ES 201 915-3 [3], clause 7.3.3.5	m	
HM3	changeInterval	ES 201 915-3 [3], clause 7.3.3.5	o	

**Table B.16: IpHeartBeat Methods**

Prerequisite: B.11/FA\_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
HB1	pulse	ES 201 915-3 [3], clause 7.3.3.6	m	

**Table B.17: IpLoadManager Methods**

Prerequisite: B.11/FA\_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
LM1	reportLoad	ES 201 915-3 [3], clause 7.3.3.8	o.4	
LM2	queryLoadReq	ES 201 915-3 [3], clause 7.3.3.8	o.4	
LM3	queryAppLoadRes	ES 201 915-3 [3], clause 7.3.3.8	o.4	
LM4	queryAppLoadErr	ES 201 915-3 [3], clause 7.3.3.8	o.4	
LM5	createLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.8	o.4	
LM6	destroyLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.8	c.4	
LM7	resumeNotification	ES 201 915-3 [3], clause 7.3.3.8	c.6	
LM8	suspendNotification	ES 201 915-3 [3], clause 7.3.3.8	c.5	
o.4: It is mandatory to support at least one of these items.				
c.4: m, if LM5 supported, else N/A.				
c.5: o, if LM5 supported, else N/A.				
c.6: m, if LM8 supported, else N/A.				

**Table B.18: IpOAM Methods**

Prerequisite: B.11/FA\_I7

Item	Methods: Is the method implemented?	Reference	Status	Support
OA1	systemDateTimeQuery	ES 201 915-3 [3], clause 7.3.3.9	m	

**Table B.19: IpEventNotification Methods**

Prerequisite: B.11/FA\_I8

Item	Methods: Is the method implemented?	Reference	Status	Support
EN1	createNotification	ES 201 915-3 [3], clause 7.3.4.2	m	
EN2	destroyNotification	ES 201 915-3 [3], clause 7.3.4.2	m	

### B.5.2.3 Framework-to-Enterprise Operator API

Prerequisite: B.2/API3

#### B.5.2.3.1 Interfaces

**Table B.20: Interfaces for Framework-to-Enterprise Operator API**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
FE_I1	IpEntOpAccountInfoQuery	ES 201 915-3 [3], clause 8	m	
FE_I2	IpEntOpAccountManagement	ES 201 915-3 [3], clause 8	m	
FE_I3	IpServiceContractInfoQuery	ES 201 915-3 [3], clause 8	m	
FE_I4	IpServiceContractManagement	ES 201 915-3 [3], clause 8	m	
FE_I5	IpServiceProfileInfoQuery	ES 201 915-3 [3], clause 8	m	
FE_I6	IpServiceProfileManagement	ES 201 915-3 [3], clause 8	m	

#### B.5.2.3.2 Methods

**Table B.21: IpEntOpAccountInfoQuery Methods**

Prerequisite: B.20/FE\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
OAQ1	describeEntOpAccount	ES 201 915-3 [3], clause 8.3.1.8	m	

**Table B.22: IpEntOpAccountManagement Methods**

Prerequisite: B.20/FE\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
OAM1	modifyEntOpAccount	ES 201 915-3 [3], clause 8.3.1.7	m	
OAM2	deleteEntOpAccount	ES 201 915-3 [3], clause 8.3.1.7	m	

**Table B.23: IpServiceContractInfoQuery Methods**

Prerequisite: B.20/FE\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
SCQ1	describeServiceContract	ES 201 915-3 [3], clause 8.3.1.6	m	
SCQ2	listServiceContracts	ES 201 915-3 [3], clause 8.3.1.6	m	
SCQ3	listServiceProfiles	ES 201 915-3 [3], clause 8.3.1.6	m	

**Table B.24: IpServiceContractManagement Methods**

Prerequisite: B.20/FE\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
SCM1	createServiceContract	ES 201 915-3 [3], clause 8.3.1.5	m	
SCM2	modifyServiceContract	ES 201 915-3 [3], clause 8.3.1.5	m	
SCM3	deleteServiceContract	ES 201 915-3 [3], clause 8.3.1.5	m	

**Table B.25: IpServiceProfileInfoQuery Methods**

Prerequisite: B.20/FE\_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
SPQ1	listServiceProfiles	ES 201 915-3 [3], clause 8.3.1.4	m	
SPQ2	describeProfile	ES 201 915-3 [3], clause 8.3.1.4	m	
SPQ3	listAssignedMembers	ES 201 915-3 [3], clause 8.3.1.4	m	

**Table B.26: IpServiceProfileManagement Methods**

Prerequisite: B.20/FE\_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
SPM1	createServiceProfile	ES 201 915-3 [3], clause 8.3.1.3	m	
SPM2	modifyServiceProfile	ES 201 915-3 [3], clause 8.3.1.3	m	
SPM3	deleteServiceProfile	ES 201 915-3 [3], clause 8.3.1.3	m	
SPM4	assign	ES 201 915-3 [3], clause 8.3.1.3	m	
SPM5	deassign	ES 201 915-3 [3], clause 8.3.1.3	m	

## B.5.2.4 Framework-to-Service API

Prerequisite: B.2/API4

### B.5.2.4.1 Service Capability Server Role

Prerequisite: B.1/R1

#### B.5.2.4.1.1 Interfaces

**Table B.27: Interfaces for Framework-to-Service API**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
SCS_FS_I1	IpServiceInstanceLifeCycleManager	ES 201 915-3 [3], clause 9.3.2.1	m	
SCS_FS_I2	IpSvcFaultManager	ES 201 915-3 [3], clause 9.3.4.2	o	
SCS_FS_I3	IpSvcHeartBeatMgmt	ES 201 915-3 [3], clause 9.3.4.5	o	
SCS_FS_I4	IpSvcHeartBeat	ES 201 915-3 [3], clause 9.3.4.6	o	
SCS_FS_I5	IpSvcLoadManager	ES 201 915-3 [3], clause 9.3.4.8	o	
SCS_FS_I6	IpSvcOAM	ES 201 915-3 [3], clause 9.3.4.10	o	
SCS_FS_I7	IpSvcEventNotification	ES 201 915-3 [3], clause 9.3.5.2	o	

## B.5.2.4.1.2 Methods

**Table B.28: IpServiceInstanceLifeCycleManager Methods**

Prerequisite: B.27/SCS\_FS\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
SIM1	createServiceManager	ES 201 915-3 [3], clause 9.3.2.1	m	
SIM2	destroyServiceManager	ES 201 915-3 [3], clause 9.3.2.1	m	

**Table B.29: IpSvcFaultManager Methods**

Prerequisite: B.27/SCS\_FS\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
SFM1	activityTestRes	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM2	svcActivityTestReq	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM3	fwFaultReportInd	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM4	fwFaultRecoveryInd	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM5	fwUnavailableInd	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM6	svcUnavailableInd	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM7	qppUnavailableInd	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM8	genFaultStatsRecordRes	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM9	ActivityTestErr	ES 201 915-3 [3], clause 9.3.4.2	o.5	
SFM10	genFaultStatsRecordErr	ES 201 915-3 [3], clause 9.3.4.2	o.5	
o.5: It is mandatory to support at least one of these items.				

**Table B.30: IpSvcHeartBeatMgmt Methods**

Prerequisite: B.27/SCS\_FS\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
SHM1	enableSvcHeartBeat	ES 201 915-3 [3], clause 9.3.4.5	m	
SHM2	disableSvcHeartBeat	ES 201 915-3 [3], clause 9.3.4.5	m	
SHM3	changeInterval	ES 201 915-3 [3], clause 9.3.4.5	o	

**Table B.31: IpSvcHeartBeat Methods**

Prerequisite: B.27/SCS\_FS\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
SHB1	pulse	ES 201 915-3 [3], clause 9.3.4.6	m	

**Table B.32: IpSvcLoadManager Methods**

Prerequisite: B.27/SCS\_FS\_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
SLM1	querySvcLoadRes	ES 201 915-3 [3], clause 9.3.4.8	o.6	
SLM2	queryLoadRes	ES 201 915-3 [3], clause 9.3.4.8	o.6	
SLM3	queryLoadErr	ES 201 915-3 [3], clause 9.3.4.8	o.6	
SLM4	LoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.8	o.6	
SLM5	suspendNotification	ES 201 915-3 [3], clause 9.3.4.8	o	
SLM6	resumeNotification	ES 201 915-3 [3], clause 9.3.4.8	o	
o.6: It is mandatory to support at least one of these items.				



**Table B.33: IpSvcOAM Methods**

Prerequisite: B.27/SCS\_FS\_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
SO1	systemDateTimeQuery	ES 201 915-3 [3], clause 9.3.4.10	m	

**Table B.34: IpSvcEventNotification Methods**

Prerequisite: B.27/SCS\_FS\_I7

Item	Methods: Is the method implemented?	Reference	Status	Support
SEN1	reportNotification	ES 201 915-3 [3], clause 9.3.5.2	m	
SEN2	notificationTerminated	ES 201 915-3 [3], clause 9.3.5.2	m	

### B.5.2.4.2 Framework Role

Prerequisite: B.1/R2

#### B.5.2.4.2.1 Interfaces

**Table B.35: Interfaces for Framework-to-Service API**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
FW_FS_I1	IpFwServiceRegistration	ES 201 915-3 [3], clause 9.3.1.1	m	
FW_FS_I2	IpFwServiceDiscovery	ES 201 915-3 [3], clause 9.3.3.1	m	
FW_FS_I3	IpFwFaultManager	ES 201 915-3 [3], clause 9.3.4.1	o	
FW_FS_I4	IpFwHeartBeatMgmt	ES 201 915-3 [3], clause 9.3.4.3	o	
FW_FS_I5	IpFwHeartBeat	ES 201 915-3 [3], clause 9.3.4.4	o	
FW_FS_I6	IpFwLoadManager	ES 201 915-3 [3], clause 9.3.4.7	o	
FW_FS_I7	IpFwOAM	ES 201 915-3 [3], clause 9.3.4.9	o	
FW_FS_I8	IpFwEventNotification	ES 201 915-3 [3], clause 9.3.5.1	o	

#### B.5.2.4.2.2 Methods

**Table B.36: IpFwServiceRegistration Methods**

Prerequisite: B.35//FW\_FS\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
SR1	registerService	ES 201 915-3 [3], clause 9.3.1.1	m	
SR2	announceServiceAvailability	ES 201 915-3 [3], clause 9.3.1.1	m	
SR3	unregisterService	ES 201 915-3 [3], clause 9.3.1.1	m	
SR4	describeService	ES 201 915-3 [3], clause 9.3.1.1	o	
SR5	unannounceService	ES 201 915-3 [3], clause 9.3.1.1	m	

**Table B.37: IpFWServiceDiscovery Methods**

Prerequisite: B.35/FW\_FS\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
FSD1	listServiceTypes	ES 201 915-3 [3], clause 9.3.3.1	m	
FSD2	describeServiceType	ES 201 915-3 [3], clause 9.3.3.1	m	
FSD3	discoverService	ES 201 915-3 [3], clause 9.3.3.1	m	
FSD4	listRegisteredServices	ES 201 915-3 [3], clause 9.3.3.1	o	

**Table B.38: IpFwFaultManager Methods**

Prerequisite: B.35/FW\_FS\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
FFM1	activityTestReq	ES 201 915-3 [3], clause 9.3.4.1	o.7	
FFM2	svcActivityTestRes	ES 201 915-3 [3], clause 9.3.4.1	o.7	
FFM3	appUnavailedInd	ES 201 915-3 [3], clause 9.3.4.1	o.7	
FFM4	genFaultStatsRecordReq	ES 201 915-3 [3], clause 9.3.4.1	o.7	
FFM5	svcUnavailableInd	ES 201 915-3 [3], clause 9.3.4.1	o.7	
FFM6	svcActivityTestErr	ES 201 915-3 [3], clause 9.3.4.1	o.7	
o.7: It is mandatory to support at least one of these items				

**Table B.39: IpFwHeartBeatMgmt Methods**

Prerequisite: B.35/FW\_FS\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
FHM1	enableHeartBeat	ES 201 915-3 [3], clause 9.3.4.3	m	
FHM2	disableHeartBeat	ES 201 915-3 [3], clause 9.3.4.3	m	
FHM3	changeInterval	ES 201 915-3 [3], clause 9.3.4.3	o	

**Table B.40: IpFwHeartBeat Methods**

Prerequisite: B.35/FW\_FS\_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
FHB1	pulse	ES 201 915-3 [3], clause 9.3.4.4	m	

**Table B.41: IpFwLoadManager Methods**

Prerequisite: B.35/FW\_FS\_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
FLM1	reportLoad	ES 201 915-3 [3], clause 9.3.4.7	o.8	
FLM2	queryLoadReq	ES 201 915-3 [3], clause 9.3.4.7	o.8	
FLM3	querySvcLoadRes	ES 201 915-3 [3], clause 9.3.4.7	o.8	
FLM4	querySvcLoadErr	ES 201 915-3 [3], clause 9.3.4.7	o.8	
FLM5	createLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.7	o.8	
FLM6	destroyLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.7	c.7	
FLM7	suspendNotification	ES 201 915-3 [3], clause 9.3.4.7	c.8	
FLM8	resumeNotification	ES 201 915-3 [3], clause 9.3.4.7	c.9	
o.8: It is mandatory to support at least one of these items. c.7: m, if FLM5 supported, else N/A. c.8: o, if FLM5 supported, else N/A. c.9: m, if FLM7 supported, else N/A.				

**Table B.42: IpFwOAM Methods**

Prerequisite: B.35/FW\_FS\_I7

Item	Methods: Is the method implemented?	Reference	Status	Support
FO1	systemDateTimeQuery	ES 201 915-3 [3], clause 9.3.4.9	m	

**Table B.43: IpFwEventNotification Methods**

Prerequisite: B.35/FW\_FS\_I8

Item	Methods: Is the method implemented?	Reference	Status	Support
FEN1	createNotification	ES 201 915-3 [3], clause 9.3.5.1	m	
FEN2	destroyNotification	ES 201 915-3 [3], clause 9.3.5.1	m	

---

## Annex C (normative): ICS proforma for ES 201 915-4 Call Control SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### C.1 Guidance for completing the ICS proforma

#### C.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-4 [4] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### C.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### C.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## C.2 Identification of the implementation

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

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

### C.2.1 Date of the statement

.....

### C.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

### C.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### C.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

---

## C.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-4 [4]: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control SCF".

---

## C.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-4 [4] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

---

## C.5 Call Control SCF Functionalities

This clause contains the ICS proforma tables related to the Call Control SCF functionalities.

### C.5.1 Major capabilities

**Table C.1: Major capabilities**

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
MC1	Generic Call Control Service	ES 201 915-4 [4], clause 4	o.1	
MC2	MultiParty Call Control Service	ES 201 915-4 [4], clause 4	o.1	
MC3	MultiMedia Call Control Service	ES 201 915-4 [4], clause 4	o.1	
MC4	Conference Call Control Service	ES 201 915-4 [4], clause 4	o.1	
o.1: At least one of these services shall be supported.				

## C.5.2 Interfaces

### C.5.2.1 Interfaces for Generic Call Control Service

**Table C.2: Interfaces for Generic Call Control Service**

Prerequisite: C.1/MC1

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
G_I1	IpCallControlManager	ES 201 915-4 [4], clause 6.3.1	m	
G_I2	IpCall	ES 201 915-4 [4], clause 6.3.3	m	

### C.5.2.2 Interfaces for MultiParty Call Control Service

**Table C.3: Interfaces for MultiParty Call Control Service**

Prerequisite: C.1/MC2

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
MP_I1	IpMultiPartyCallControlManager	ES 201 915-4 [4], clause 7.3.1	m	
MP_I2	IpMultiPartyCall	ES 201 915-4 [4], clause 7.3.3	m	
MP_I3	IpCallLeg	ES 201 915-4 [4], clause 7.3.5	m	

### C.5.2.3 Interfaces for MultiMedia Call Control Service

**Table C.4: Interfaces for MultiMedia Call Control Service**

Prerequisite: C.1/MC3

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
MM_I1	IpMultiMediaCallControlManager	ES 201 915-4 [4], clause 8.3.1	m	
MM_I2	IpMultiMediaCall	ES 201 915-4 [4], clause 8.3.3	m	
MM_I3	IpMultiMediaCallLeg	ES 201 915-4 [4], clause 8.3.5	m	
MM_I4	IpMultiMediaStream	ES 201 915-4 [4], clause 8.3.7	m	

### C.5.2.4 Interfaces for Conference Call Control Service

**Table C.5: Interfaces for Conference Call Control Service**

Prerequisite: C.1/MC4

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
C_I1	IpConfCallControlManager	ES 201 915-4 [4], clause 9.3.1	m	
C_I2	IpConfCall	ES 201 915-4 [4], clause 9.3.1	m	
C_I3	IpSubConfCall	ES 201 915-4 [4], clause 9.3.1	m	
C_I4	IpMultiMediaCallLeg	ES 201 915-4 [4], clause 9.2	m	
C_I5	IpMultiMediaStream	ES 201 915-4 [4], clause 9.3	o	

## C.5.3 Methods

### C.5.3.1 Methods for Generic Call Control Service

Prerequisite: C.1/MC1

**Table C.6: IpCallControlManager**

Prerequisite: C.2/G\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
G_CCM1	createCall	ES 201 915-4 [4], clause 6.3.1	o.2	
G_CCM2	enableCallNotification	ES 201 915-4 [4], clause 6.3.1	o.2	
G_CCM3	disableCallNotification	ES 201 915-4 [4], clause 6.3.1	c.1	
G_CCM4	setCallLoadControl	ES 201 915-4 [4], clause 6.3.1	o	
G_CCM5	changeCallNotification	ES 201 915-4 [4], clause 6.3.1	o	
G_CCM6	getCriteria	ES 201 915-4 [4], clause 6.3.1	o	
G_CCM7	setCallback	ES 201 915-4 [4], clause 6.3.1	m	
o.2: It is mandatory to support at least one of these items.				
c.1: m, if G_CCM2 supported, else N/A.				

**Table C.7: IpCall**

Prerequisite: C.2/G\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
G_C1	routeReq	ES 201 915-4 [4], clause 6.3.3	m	
G_C2	release	ES 201 915-4 [4], clause 6.3.3	m	
G_C3	deassignCall	ES 201 915-4 [4], clause 6.3.3	m	
G_C4	getCallInfoReq	ES 201 915-4 [4], clause 6.3.3	o	
G_C5	setCallChargePlan	ES 201 915-4 [4], clause 6.3.3	o	
G_C6	setAdviceOfCharge	ES 201 915-4 [4], clause 6.3.3	o	
G_C7	getMoreDialledDigitsReq	ES 201 915-4 [4], clause 6.3.3	o	
G_C8	superviseCallReq	ES 201 915-4 [4], clause 6.3.3	o	
G_C9	setCallbackWithSessionID	ES 201 915-4 [4], clause 6.3.3	m	

### C.5.3.2 Methods for MultiParty Call Control Service

Prerequisite: C.1/MC2

**Table C.8: IpMultiPartyCallControlManager**

Prerequisite: C.3/MP\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
MP_CCM1	createCall	ES 201 915-4 [4], clause 7.3.1	o.3	
MP_CCM2	createNotification	ES 201 915-4 [4], clause 7.3.1	o.3	
MP_CCM3	destroyNotification	ES 201 915-4 [4], clause 7.3.1	c.2	
MP_CCM4	changeNotification	ES 201 915-4 [4], clause 7.3.1	o	
MP_CCM5	getNotification	ES 201 915-4 [4], clause 7.3.1	o	
MP_CCM6	setCallLoadControl	ES 201 915-4 [4], clause 7.3.1	o	
MP_CCM7	setCallback	ES 201 915-4 [4], clause 7.3.1	m	
o.3: It is mandatory to support at least one of these items.				
c.2: m, if MP_CCM2 supported, else N/A.				



Table C.9: IpMultiPartyCall

Prerequisite: C.3/MP\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
MP_C1	getCallLeg	ES 201 915-4 [4], clause 7.3.3	o	
MP_C2	createCallLeg	ES 201 915-4 [4], clause 7.3.3	o.4	
MP_C3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 7.3.3	o.4	
MP_C4	release	ES 201 915-4 [4], clause 7.3.3	m	
MP_C5	deassignCall	ES 201 915-4 [4], clause 7.3.3	m	
MP_C6	getInfoReq	ES 201 915-4 [4], clause 7.3.3	o	
MP_C7	setChargePlan	ES 201 915-4 [4], clause 7.3.3	o	
MP_C8	setAdviceOfCharge	ES 201 915-4 [4], clause 7.3.3	o	
MP_C9	superviseReq	ES 201 915-4 [4], clause 7.3.3	o	
MP_C10	setCallbackWithSessionID	ES 201 915-4 [4], clause 7.3.3	m	

o.4: It is mandatory to support at least one of these items.

Table C.10: IpCallLeg

Prerequisite: C.3/MP\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
MP_CL1	routeReq	ES 201 915-4 [4], clause 7.3.5	m	
MP_CL2	eventReportReq	ES 201 915-4 [4], clause 7.3.5	m	
MP_CL3	release	ES 201 915-4 [4], clause 7.3.5	m	
MP_CL4	getInfoReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL5	getCall	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL6	attachMediaReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL7	detachMediaReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL8	getCurrentDestinationAddress	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL9	continueProcessing	ES 201 915-4 [4], clause 7.3.5	m	
MP_CL10	setChargePlan	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL11	setAdviceOfCharge	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL12	superviseReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CL13	deassign	ES 201 915-4 [4], clause 7.3.5	m	
MP_CL14	setCallbackWithSessionID	ES 201 915-4 [4], clause 7.3.5	m	

### C.5.3.3 Methods for MultiMedia Call Control Service

Prerequisite: C.1/MC3

**Table C.11: IpMultiMediaCallControlManager**

Prerequisite: C.4/MM\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
MM_CCM1	createCall	ES 201 915-4 [4], clause 8.3.1	o.5	
MM_CCM2	createNotification	ES 201 915-4 [4], clause 8.3.1	o.5	
MM_CCM3	destroyNotification	ES 201 915-4 [4], clause 8.3.1	c.3	
MM_CCM4	changeNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCM5	getNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCM6	setCallLoadControl	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCM7	createMediaNotification	ES 201 915-4 [4], clause 8.3.1	m	
MM_CCM8	destroyMediaNotification	ES 201 915-4 [4], clause 8.3.1	m	
MM_CCM9	changeMediaNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCM10	getMediaNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCM11	setCallback	ES 201 915-4 [4], clause 8.3.1	m	
o.5: It is mandatory to support at least one of these items.				
c.3: m, if MM_CCM2 supported, else N/A.				

**Table C.12: IpMultiMediaCall**

Prerequisite: C.4/MM\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
MM_C1	getCallLeg	ES 201 915-4 [4], clause 8.3.3	o	
MM_C2	createCallLeg	ES 201 915-4 [4], clause 8.3.3	o.6	
MM_C3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 8.3.3	o.6	
MM_C4	release	ES 201 915-4 [4], clause 8.3.3	m	
MM_C5	deassignCall	ES 201 915-4 [4], clause 8.3.3	m	
MM_C6	getInfoReq	ES 201 915-4 [4], clause 8.3.3	o	
MM_C7	setChargePlan	ES 201 915-4 [4], clause 8.3.3	o	
MM_C8	setAdviceOfCharge	ES 201 915-4 [4], clause 8.3.3	o	
MM_C9	superviseReq	ES 201 915-4 [4], clause 8.3.3	o	
MM_C10	superviseVolumeReq	ES 201 915-4 [4], clause 8.3.3	o	
MM_C11	setCallbackWithSessionID	ES 201 915-4 [4], clause 8.3.3	m	
o.6: It is mandatory to support at least one of these items.				

**Table C.13: IpMultiMediaCallLeg**

Prerequisite: C.4/MM\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
MM_CL1	routeReq	ES 201 915-4 [4], clause 8.3.5	m	
MM_CL2	eventReportReq	ES 201 915-4 [4], clause 8.3.5	m	
MM_CL3	release	ES 201 915-4 [4], clause 8.3.5	m	
MM_CL4	getInfoReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL5	getCall	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL6	attachMediaReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL7	detachMediaReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL8	getCurrentDestinationAddress	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL9	continueProcessing	ES 201 915-4 [4], clause 8.3.5	m	
MM_CL10	setChargePlan	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL11	setAdviceOfCharge	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL12	superviseReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL13	deassign	ES 201 915-4 [4], clause 8.3.5	m	
MM_CL14	mediaStreamAllow	ES 201 915-4 [4], clause 8.3.5	m	
MM_CL15	mediaStreamMonitorReq	ES 201 915-4 [4], clause 8.3.5	m	
MM_CL16	getMediaStream	ES 201 915-4 [4], clause 8.3.5	o	
MM_CL17	setCallbackWithSessionID	ES 201 915-4 [4], clause 8.3.5	m	

**Table C.14: IpMultiMediaStream**

Prerequisite: C.4/MM\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
MM_S1	subtract	ES 201 915-4 [4], clause 8.3.7	m	
MM_S2	setCallbackWithSessionID	ES 201 915-4 [4], clause 8.3.7	m	

### C.5.3.4 Methods for Conference Call Control Service

Prerequisite: C.1/MC4

**Table C.15: IpConfCallControlManager**

Prerequisite: C.5/C\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
C_CCM1	createCall	ES 201 915-4 [4], clause 9.3.1	o.7	
C_CCM2	createNotification	ES 201 915-4 [4], clause 9.3.1	o.7	
C_CCM3	destroyNotification	ES 201 915-4 [4], clause 9.3.1	c.5	
C_CCM4	changeNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCM5	getNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCM6	setCallLoadControl	ES 201 915-4 [4], clause 9.3.1	o	
C_CCM7	createMediaNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCM8	destroyMediaNotification	ES 201 915-4 [4], clause 9.3.1	c.4	
C_CCM9	changeMediaNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCM10	getMediaNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCM11	createConference	ES 201 915-4 [4], clause 9.3.1	o.8	
C_CCM12	checkResources	ES 201 915-4 [4], clause 9.3.1	o	
C_CCM13	reserveResources	ES 201 915-4 [4], clause 9.3.1	o.8	
C_CCM14	freeResources	ES 201 915-4 [4], clause 9.3.1	c.6	
C_CCM15	setCallback	ES 201 915-4 [4], clause 9.3.1	m	
o.7: It is mandatory to support at least one of these items.				
o.8: It is mandatory to support at least one of these items.				
c.4: m, if C_CCM7 supported, else N/A.				
c.5: m, if C_CCM2 supported, else N/A.				
c.6: m, if C_CCM13 supported, else N/A.				

**Table C.16: IpConfCall**

Prerequisite: C.5/C\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
C_C1	getCallLeg	ES 201 915-4 [4], clause 9.3.3	o	
C_C2	createCallLeg	ES 201 915-4 [4], clause 9.3.3	o.9	
C_C3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 9.3.3	o.9	
C_C4	release	ES 201 915-4 [4], clause 9.3.3	m	
C_C5	deassignCall	ES 201 915-4 [4], clause 9.3.3	m	
C_C6	getInfoReq	ES 201 915-4 [4], clause 9.3.3	o	
C_C7	setChargePlan	ES 201 915-4 [4], clause 9.3.3	o	
C_C8	setAdviceOfCharge	ES 201 915-4 [4], clause 9.3.3	o	
C_C9	superviseReq	ES 201 915-4 [4], clause 9.3.3	o	
C_C10	superviseVolumeReq	ES 201 915-4 [4], clause 9.3.3	o	
C_C11	getSubConferences	ES 201 915-4 [4], clause 9.3.3	m	
C_C12	createSubConference	ES 201 915-4 [4], clause 9.3.3	m	
C_C13	leaveMonitorReq	ES 201 915-4 [4], clause 9.3.3	o	
C_C14	setCallbackWithSessionID	ES 201 915-4 [4], clause 9.3.3	m	
o.9: It is mandatory to support at least one of these items.				

Table C.17: IpSubConfCall

Prerequisite: C.5/C\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
C_SCC1	getCallLeg	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC2	createCallLeg	ES 201 915-4 [4], clause 9.3.5	o.10	
C_SCC3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 9.3.5	o.10	
C_SCC4	release	ES 201 915-4 [4], clause 9.3.5	m	
C_SCC5	deassignCall	ES 201 915-4 [4], clause 9.3.5	m	
C_SCC6	getInfoReq	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC7	setChargePlan	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC8	setAdviceOfCharge	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC9	superviseReq	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC10	superviseVolumeReq	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC11	splitSubConference	ES 201 915-4 [4], clause 9.3.5	o.11	
C_SCC12	mergeSubConference	ES 201 915-4 [4], clause 9.3.5	c.7	
C_SCC13	moveCallLeg	ES 201 915-4 [4], clause 9.3.5	o.11	
C_SCC14	inspectVideo	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC15	inspectVideoCancel	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC16	appointSpeaker	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC17	chairSelection	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC18	changeConferencePolicy	ES 201 915-4 [4], clause 9.3.5	o	
C_SCC19	setCallbackWithSessionID	ES 201 915-4 [4], clause 9.3.5	m	
o.10: It is mandatory to support at least one of these items.				
o.11: It is mandatory to support at least one of these items.				
c.7: m, if C_SCC12 supported, else N/A				

Table C.18: IpMultiMediaCallLeg

Prerequisite: C.5/C\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
C_CL1	routeReq	ES 201 915-4 [4], clause 9.3	m	
C_CL2	eventReportReq	ES 201 915-4 [4], clause 9.3	m	
C_CL3	release	ES 201 915-4 [4], clause 9.3	m	
C_CL4	getInfoReq	ES 201 915-4 [4], clause 9.3	o	
C_CL5	getCall	ES 201 915-4 [4], clause 9.3	o	
C_CL6	attachMediaReq	ES 201 915-4 [4], clause 9.3	o	
C_CL7	detachMediaReq	ES 201 915-4 [4], clause 9.3	o	
C_CL8	getCurrentDestinationAddress	ES 201 915-4 [4], clause 9.3	o	
C_CL9	continueProcessing	ES 201 915-4 [4], clause 9.3	m	
C_CL10	setChargePlan	ES 201 915-4 [4], clause 9.3	o	
C_CL11	setAdviceOfCharge	ES 201 915-4 [4], clause 9.3	o	
C_CL12	superviseReq	ES 201 915-4 [4], clause 9.3	o	
C_CL13	deassign	ES 201 915-4 [4], clause 9.3	m	
C_CL14	mediaStreamAllow	ES 201 915-4 [4], clause 9.3	o	
C_CL15	mediaStreamMonitorReq	ES 201 915-4 [4], clause 9.3	o	
C_CL16	getMediaStream	ES 201 915-4 [4], clause 9.3	o	
C_CL17	setCallbackWithSessionID	ES 201 915-4 [4], clause 9.3	m	

Table C.19: IpMultiMediaStream

Prerequisite: C.5/C\_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
C_S1	subtract	ES 201 915-4 [4], clause 9.3	m	
C_S2	setCallbackWithSessionID	ES 201 915-4 [4], clause 9.3	m	

---

## Annex D (normative): ICS proforma for ES 201 915-5 User Interaction SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### D.1 Guidance for completing the ICS proforma

#### D.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-5 [5] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### D.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### D.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## D.2 Identification of the implementation

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

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

### D.2.1 Date of the statement

.....

### D.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

### D.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### D.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

## D.3 Identification of the protocol

This ICS proforma applies to the following standard:

ES 201 915-5 [5]: "Open Service Access (OSA); Application Programming Interface (API); Part 5: User Interaction SCF".

## D.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-5 [5] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

## D.5 User Interaction SCF Functionalities

This clause contains the ICS proforma tables related to the User Interaction SCF functionalities.

### D.5.1 Interfaces

Table D.1: Interfaces

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpUIManager	ES 201 915-5 [5], clause 8.1	m	
I2	IpUI	ES 201 915-5 [5], clause 8.3	o.1	
I3	IpUICall	ES 201 915-5 [5], clause 8.5	o.1	
o.1: It is mandatory to support at least one of these items.				



## D.5.2 Methods

**Table D.2: IpUIManager Methods**

Prerequisite: D.1/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
UIM1	createUI	ES 201 915-5 [5], clause 8.1	o.2	
UIM2	createUICall	ES 201 915-5 [5], clause 8.1	o.2	
UIM3	createNotification	ES 201 915-5 [5], clause 8.1	o.2	
UIM4	destroyNotification	ES 201 915-5 [5], clause 8.1	c.1	
UIM5	changeNotification	ES 201 915-5 [5], clause 8.1	o	
UIM6	getNotification	ES 201 915-5 [5], clause 8.1	o	
UIM7	setCallback	ES 201 915-5 [5], clause 8.1	m	
o.2: It is mandatory to support at least one of these items.				
c.1: m, if UIM3 supported, else N/A.				

**Table D.3: IpUI Methods**

Prerequisite: D.1/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
UI1	sendInfoReq	ES 201 915-5 [5], clause 8.3	o.3	
UI2	sendInfoAndCollectReq	ES 201 915-5 [5], clause 8.3	o.3	
UI3	release	ES 201 915-5 [5], clause 8.3	m	
UI4	setCallbackWithSessionID	ES 201 915-5 [5], clause 8.3	m	
o.3: It is mandatory to support at least one of these items.				

**Table D.4: IpUICall Methods**

Prerequisite: D.1/I3

Item	Methods: Is the method implemented?	Reference	Status	Support
UIC1	sendInfoReq	ES 201 915-5 [5], clause 8.5	o.4	
UIC2	sendInfoAndCollectReq	ES 201 915-5 [5], clause 8.5	o.4	
UIC3	release	ES 201 915-5 [5], clause 8.5	m	
UIC4	recordMessageReq	ES 201 915-5 [5], clause 8.5	o	
UIC5	deleteMessageReq	ES 201 915-5 [5], clause 8.5	o	
UIC6	abortActionReq	ES 201 915-5 [5], clause 8.5	o	
UIC7	setCallbackWithSessionID	ES 201 915-5 [5], clause 8.5	m	
o.4: It is mandatory to support at least one of these items.				

---

## Annex E (normative): ICS proforma for ES 201 915-6 Mobility SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### E.1 Guidance for completing the ICS proforma

#### E.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-6 [6] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### E.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### E.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

### E.2 Identification of the implementation

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

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

#### E.2.1 Date of the statement

---

## E.2.2 Implementation under test identification

IUT name:

.....  
.....

IUT version:

.....

## E.2.3 System under test identification

SUT name:

.....  
.....

Hardware configuration:

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

Operating system:

.....

## E.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

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

## E.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-6 [6]: "Open Service Access (OSA); Application Programming Interface (API); Part 6: Mobility SCF".

## E.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-6 [6] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

## E.5 Mobility SCF Functionalities

This clause contains the ICS proforma tables related to the Mobility SCF functionalities.

### E.5.1 Major capabilities

**Table E.1: Major capabilities**

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
MC1	User Location Service	ES 201 915-6 [6], clause 6	o.1	
MC2	User Location Camel Service	ES 201 915-6 [6], clause 6	o.1	
MC3	User Location Emergency Service	ES 201 915-6 [6], clause 6	o.1	
MC4	User Status	ES 201 915-6 [6], clause 6	o.1	
o.1: At least one of these services shall be supported.				

### E.5.2 Interfaces

**Table E.2: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpUserLocation	ES 201 915-6 [6], clause 8.1.1	o.2	
I2	IpTriggeredUserLocation	ES 201 915-6 [6], clause 8.1.3	o.2	
I3	IpUserLocationCamel	ES 201 915-6 [6], clause 8.2.1	c.1	
I4	IpUserLocationEmergency	ES 201 915-6 [6], clause 8.3.1	c.2	
I5	IpUserStatus	ES 201 915-6 [6], clause 8.4.2	c.3	
o.2: At least one of these interfaces shall be supported, if MC1 supported.				
c.1: m, if MC2 supported.				
c.2: m, if MC3 supported.				
c.3: m, if MC4 supported.				

## E.5.3 Methods

**Table E.3: IpUserLocation Methods**

Prerequisite: E.2/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
UL1	locationReportReq	ES 201 915-6 [6], clause 8.1.1	o.3	
UL2	extendedLocationReportReq	ES 201 915-6 [6], clause 8.1.1	o.3	
UL3	periodicLocationReportingStartReq	ES 201 915-6 [6], clause 8.1.1	o.3	
UL4	periodicLocationReportingStop	ES 201 915-6 [6], clause 8.1.1	c.4	
UL5	setCallBack	ES 201 915-6 [6], clause 8.1.1	m	
o.3: At least one of these methods shall be supported.				
c.4: m, if UL3 supported, else N/A.				

**Table E.4: IpTriggeredUserLocation Methods**

Prerequisite: E.2/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
TUL1	locationReportReq	ES 201 915-6 [6], clause 8.1.3	o	
TUL2	extendedLocationReportReq	ES 201 915-6 [6], clause 8.1.3	o	
TUL3	periodicLocationReportingStartReq	ES 201 915-6 [6], clause 8.1.3	o	
TUL4	periodicLocationReportingStop	ES 201 915-6 [6], clause 8.1.3	c.5	
TUL5	triggeredLocationReportingStartReq	ES 201 915-6 [6], clause 8.1.3	m	
TUL6	triggeredLocationReportingStop	ES 201 915-6 [6], clause 8.1.3	m	
TUL7	setCallBack	ES 201 915-6 [6], clause 8.1.3	m	
c.5: m, if UL3 supported, else N/A.				

**Table E.5: IpUserLocationCamel Methods**

Prerequisite: E.2/I3

Item	Methods: Is the method implemented?	Reference	Status	Support
ULC1	locationReportReq	ES 201 915-6 [6], clause 8.2.1	o.4	
ULC2	periodicLocationReportingStartReq	ES 201 915-6 [6], clause 8.2.1	o.4	
ULC3	periodicLocationReportingStop	ES 201 915-6 [6], clause 8.2.1	c.6	
ULC4	triggeredLocationReportingStartReq	ES 201 915-6 [6], clause 8.2.1	o.4	
ULC5	triggeredLocationReportingStop	ES 201 915-6 [6], clause 8.2.1	c.7	
ULC6	setCallBack	ES 201 915-6 [6], clause 8.2.1	m	
o.4: At least one of these methods shall be supported.				
c.6: m, if ULC2 supported, else N/A.				
c.7: m, if ULC4 supported, else N/A.				

**Table E.6: IpUserLocationEmergency Methods**

Prerequisite: E.2I4

Item	Methods: Is the method implemented?	Reference	Status	Support
ULE1	emergencyLocationReportReq	ES 201 915-6 [6], clause 8.3.1	o.5	
ULE2	subscribeEmergencyLocationReports	ES 201 915-6 [6], clause 8.3.1	o.5	
ULE3	unsubscribeEmergencyLocationReports	ES 201 915-6 [6], clause 8.3.1	c.8	
ULE4	setCallBack	ES 201 915-6 [6], clause 8.3.1	m	
o.5: At least one of these methods shall be supported.				
c.8: m, if ULE2 supported, else N/A.				

**Table E.7: IpUserStatus Methods**

Prerequisite: E.2/I5

<b>Item</b>	<b>Methods: Is the method implemented?</b>	<b>Reference</b>	<b>Status</b>	<b>Support</b>
US1	statusReportReq	ES 201 915-6 [6], clause 8.4.2	o.6	
US2	triggeredStatusReportingStartReq	ES 201 915-6 [6], clause 8.4.2	o.6	
US3	triggeredStatusReportingStop	ES 201 915-6 [6], clause 8.4.2	c.9	
US4	setCallBack	ES 201 915-6 [6], clause 8.4.2	m	
o.6: At least one of these methods shall be supported.				
c.9: m, if US2 supported, else N/A.				

---

## Annex F (normative): ICS proforma for ES 201 915-7 Terminal Capabilities SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### F.1 Guidance for completing the ICS proforma

#### F.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-7 [7] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### F.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### F.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## F.2 Identification of the implementation

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

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

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

### F.2.1 Date of the statement

.....

### F.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

### F.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### F.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....



E-mail address:

.....

Additional information:

.....

.....

.....

---

## F.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-7 [7]: "Open Service Access (OSA); Application Programming Interface (API); Part 7: Terminal Capabilities SCF".

---

## F.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-7 [7] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

---

## F.5 Terminal Capabilities SCF Functionalities

This clause contains the ICS proforma tables related to the Terminal Capabilities SCF functionalities.

### F.5.1 Interfaces

**Table F.1: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpTerminalCapabilities	ES 201 915-7 [7], clause 8.1	m	

### F.5.2 Methods

**Table F.2: IpTerminalCapabilities Methods**

Prerequisite: F.1/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
TC1	getTerminalCapabilities	ES 201 915-7 [7], clause 8.1	m	
TC2	setCallback	ES 201 915-7 [7], clause 8.1	n/a	

---

## Annex G (normative): ICS proforma for ES 201 915-8 Data Session Control SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### G.1 Guidance for completing the ICS proforma

#### G.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-8 [8] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### G.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### G.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## G.2 Identification of the implementation

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

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

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

### G.2.1 Date of the statement

.....

### G.2.2 Implementation under test identification

IUT name:

.....  
 .....

IUT version:

.....

### G.2.3 System under test identification

SUT name:

.....  
 .....

Hardware configuration:

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

Operating system:

.....

### G.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

---

## G.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-8 [8]: "Open Service Access (OSA); Application Programming Interface (API); Part 8: Data Session Control SCF".

---

## G.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

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

---

## G.5 Data Session Control SCF Functionalities

This clause contains the ICS proforma tables related to the Data Session Control SCF functionalities.

### G.5.1 Interfaces

**Table G.1: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpDataSessionControlManager	ES 201 915-8 [8], clause 8.4	m	
I2	IpDataSession	ES 201 915-8 [8], clause 8.3	m	

### G.5.2 Methods

**Table G.2: pDataSessionControlManager Methods**

Prerequisite: G.1/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
DM1	createNotification	ES 201 915-8 [8], clause 8.4	m	
DM2	destroyNotification	ES 201 915-8 [8], clause 8.4	m	
DM3	changeNotification	ES 201 915-8 [8], clause 8.4	o	
DM4	getNotification	ES 201 915-8 [8], clause 8.4	o	
DM5	setCallback	ES 201 915-8 [8], clause 8.4	m	

**Table G.3: IpDataSession Methods**

Prerequisite: G.1/I2

<b>Item</b>	<b>Methods: Is the method implemented?</b>	<b>Reference</b>	<b>Status</b>	<b>Support</b>
DS1	connectReq	ES 201 915-8 [8], clause 8.3	m	
DS2	release	ES 201 915-8 [8], clause 8.3	m	
DS3	superviseDataSessionReq	ES 201 915-8 [8], clause 8.3	o	
DS4	setDataSessionChargePlan	ES 201 915-8 [8], clause 8.3	o	
DS5	setAdviceOfCharge	ES 201 915-8 [8], clause 8.3	o	
DS6	deassignDataSession	ES 201 915-8 [8], clause 8.3	m	
DS7	continueProcessing	ES 201 915-8 [8], clause 8.3	m	
DS8	setCallbackWithSessionID	ES 201 915-8 [8], clause 8.3	m	

---

## Annex H (normative): ICS proforma for ES 201 915-9 Generic Messaging SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### H.1 Guidance for completing the ICS proforma

#### H.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-9 [9] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### H.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### H.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## H.2 Identification of the implementation

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

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

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

### H.2.1 Date of the statement

.....

### H.2.2 Implementation under test identification

IUT name:

.....  
.....

IUT version:

.....

### H.2.3 System under test identification

SUT name:

.....  
.....

Hardware configuration:

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

Operating system:

.....

### H.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

---

## H.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-9 [9]: "Open Service Access (OSA); Application Programming Interface (API); Part 9: Generic Messaging SCF".

---

## H.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-9 [9] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

---

## H.5 Generic Messaging SCF Functionalities

This clause contains the ICS proforma tables related to the Generic Messaging Control SCF functionalities.

### H.5.1 Interfaces

**Table H.1: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpMessagingManager	ES 201 915-9 [9], clause 8.1	m	
I2	IpMailbox	ES 201 915-9 [9], clause 8.3	m	
I3	IpMailboxFolder	ES 201 915-9 [9], clause 8.4	m	
I4	IpMessage	ES 201 915-9 [9], clause 8.5	m	



## H.5.2 Methods

**Table H.2: IpMessagingManager Methods**

Prerequisite: H.1/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
MM1	openMailbox	ES 201 915-9 [9], clause 8.1	o.1	
MM2	enableMessagingNotification	ES 201 915-9 [9], clause 8.1	o.1	
MM3	disableMessagingNotification	ES 201 915-9 [9], clause 8.1	c.1	
MM4	setCallback	ES 201 915-9 [9], clause 8.1	m	
o.1: It is mandatory to support at least one of these items.				
c.1: m, if MM2 supported, else N/A.				

**Table H.3: IpMailbox Methods**

Prerequisite: H.1/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
MB1	close	ES 201 915-9 [9], clause 8.3	o.2	
MB2	lock	ES 201 915-9 [9], clause 8.3	o.2	
MB3	unlock	ES 201 915-9 [9], clause 8.3	o.2	
MB4	getInfoAmount	ES 201 915-9 [9], clause 8.3	o.2	
MB5	getInfoProperties	ES 201 915-9 [9], clause 8.3	o.2	
MB6	setInfoProperties	ES 201 915-9 [9], clause 8.3	o.2	
MB7	openFolder	ES 201 915-9 [9], clause 8.3	o.2	
MB8	createFolder	ES 201 915-9 [9], clause 8.3	o.2	
MB9	remove	ES 201 915-9 [9], clause 8.3	o.2	
MB10	setCallbackWithSessionID	ES 201 915-9 [9], clause 8.3	m	
o.2: It is mandatory to support at least one of these items.				

**Table H.4: IpMailboxFolder Methods**

Prerequisite: H.1/I3

Item	Methods: Is the method implemented?	Reference	Status	Support
MF1	getInfoAmount	ES 201 915-9 [9], clause 8.4	o.3	
MF2	getInfoProperties	ES 201 915-9 [9], clause 8.4	o.3	
MF3	setInfoProperties	ES 201 915-9 [9], clause 8.4	o.3	
MF4	putMessage	ES 201 915-9 [9], clause 8.4	o.3	
MF5	getMessage	ES 201 915-9 [9], clause 8.4	o.3	
MF6	close	ES 201 915-9 [9], clause 8.4	o.3	
MF7	remove	ES 201 915-9 [9], clause 8.4	o.3	
MF8	setCallbackWithSessionID	ES 201 915-9 [9], clause 8.4	m	
o.3: It is mandatory to support at least one of these items.				

**Table H.5: IpMessage Methods**

Prerequisite: H.1/I4

Item	Methods: Is the method implemented?	Reference	Status	Support
MSG1	getInfoAmount	ES 201 915-9 [9], clause 8.5	o.4	
MSG2	getInfoProperties	ES 201 915-9 [9], clause 8.5	o.4	
MSG3	remove	ES 201 915-9 [9], clause 8.5	o.4	
MSG4	setCallbackWithSessionID	ES 201 915-9 [9], clause 8.5	m	
o.4: It is mandatory to support at least one of these items.				

---

## Annex I (normative): ICS proforma for ES 201 915-10 Connectivity Manager SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### I.1 Guidance for completing the ICS proforma

#### I.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-10 [10] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### I.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### I.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## 1.2 Identification of the implementation

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

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

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

### 1.2.1 Date of the statement

.....

### 1.2.2 Implementation under test identification

IUT name:

.....  
.....

IUT version:

.....

### 1.2.3 System under test identification

SUT name:

.....  
.....

Hardware configuration:

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

Operating system:

.....

### 1.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

---

## I.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-10 [10]: "Open Service Access (OSA); Application Programming Interface (API); Part 10: Connectivity Manager SCF".

---

## I.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-10 [10] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

---

## I.5 Connectivity Manager SCF Functionalities

This clause contains the ICS proforma tables related to the Connectivity Manager SCF functionalities.

### I.5.1 Interfaces

**Table I.1: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpConnectivityManager	ES 202 912-10 [10], clause 8.1	m	
I2	IpQoSMenu	ES 202 912-10 [10], clause 8.4	m	
I3	IpQoSTemplate	ES 202 912-10 [10], clause 8.5	m	
I4	IpEnterpriseNetwork	ES 202 912-10 [10], clause 8.2	m	
I5	IpVPrN	ES 202 912-10 [10], clause 8.6	m	
I6	IpVPrP	ES 202 912-10 [10], clause 8.7	m	
I7	IpEnterpriseNetworkSite	ES 202 912-10 [10], clause 8.3	m	

## I.5.2 Methods

**Table I.2: IpConnectivityManager Methods**

Prerequisite: I.1/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
CM1	getQoSMenu	ES 202 912-10 [10], clause 8.1	o.1	
CM2	getEnterpriseNetwork	ES 202 912-10 [10], clause 8.1	o.1	
CM3	setCallback	ES 202 912-10 [10], clause 8.1	m	
o.1: It is mandatory to support at least one of these items.				

**Table I.3: IpQoSMenu Methods**

Prerequisite: I.1/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
QM1	getTemplate	ES 202 912-10 [10], clause 8.4	o.2	
QM2	getTemplateList	ES 202 912-10 [10], clause 8.4	o.2	
QM3	setCallback	ES 202 912-10 [10], clause 8.4	m	
o.2: It is mandatory to support at least one of these items.				

**Table I.4: IpQoSTemplate Methods**

Prerequisite: I.1/I3

Item	Methods: Is the method implemented?	Reference	Status	Support
QT1	getTemplateType	ES 202 912-10 [10], clause 8.5	o.3	
QT2	getDescription	ES 202 912-10 [10], clause 8.5	o.3	
QT3	getSlalD	ES 202 912-10 [10], clause 8.5	o.3	
QT4	getPipeQoSInfo	ES 202 912-10 [10], clause 8.5	o.3	
QT5	setPipeQoSInfo	ES 202 912-10 [10], clause 8.5	o.3	
QT6	getValidityInfo	ES 202 912-10 [10], clause 8.5	o.3	
QT7	setValidityInfo	ES 202 912-10 [10], clause 8.5	o.3	
QT8	setProvisionedQoSInfo	ES 202 912-10 [10], clause 8.5	o.3	
QT9	getProvisionedQoSInfo	ES 202 912-10 [10], clause 8.5	o.3	
QT10	getDsCodePoint	ES 202 912-10 [10], clause 8.5	o.3	
QT11	setCallback	ES 202 912-10 [10], clause 8.5	m	
o.3: It is mandatory to support at least one of these items.				

**Table I.5: IpEnterpriseNetwork Methods**

Prerequisite: I.1/I4

Item	Methods: Is the method implemented?	Reference	Status	Support
EN1	getSiteList	ES 202 912-10 [10], clause 8.2	o.4	
EN2	getIVPrN	ES 202 912-10 [10], clause 8.2	o.4	
EN3	getSite	ES 202 912-10 [10], clause 8.2	o.4	
EN4	setCallback	ES 202 912-10 [10], clause 8.2	m	
o.4: It is mandatory to support at least one of these items.				

**Table I.6: IpVPrN Methods**

Prerequisite: I.1/I5

Item	Methods: Is the method implemented?	Reference	Status	Support
VPN1	getVPrPList	ES 202 912-10 [10], clause 8.6	o.5	
VPN2	getVPrP	ES 202 912-10 [10], clause 8.6	o.5	
VPN3	createVPrP	ES 202 912-10 [10], clause 8.6	o.5	
VPN4	deleteVPrP	ES 202 912-10 [10], clause 8.6	o.5	
VPN5	setCallback	ES 202 912-10 [10], clause 8.6	m	
o.5: It is mandatory to support at least one of these items.				

**Table I.7: IpVPrP Methods**

Prerequisite: I.1/I6

Item	Methods: Is the method implemented?	Reference	Status	Support
VPP1	getVPrPID	ES 202 912-10 [10], clause 8.7	o.6	
VPP2	getSlalD	ES 202 912-10 [10], clause 8.7	o.6	
VPP3	getStatus	ES 202 912-10 [10], clause 8.7	o.6	
VPP4	getProvisionedQoSInfo	ES 202 912-10 [10], clause 8.7	o.6	
VPP5	getValidityInfo	ES 202 912-10 [10], clause 8.7	o.6	
VPP6	getPipeQoSInfo	ES 202 912-10 [10], clause 8.7	o.6	
VPP7	getDsCodePoint	ES 202 912-10 [10], clause 8.7	o.6	
VPP8	setCallback	ES 202 912-10 [10], clause 8.7	m	
o.6: It is mandatory to support at least one of these items.				

**Table I.8: IpEnterpriseNetworkSite Methods**

Prerequisite: I.1/I7

Item	Methods: Is the method implemented?	Reference	Status	Support
ENS1	getSAPList	ES 202 912-10 [10], clause 8.3	o.7	
ENS2	getSiteID	ES 202 912-10 [10], clause 8.3	o.7	
ENS3	getSiteLocation	ES 202 912-10 [10], clause 8.3	o.7	
ENS4	getSiteDescription	ES 202 912-10 [10], clause 8.3	o.7	
ENS5	getIPSubnet	ES 202 912-10 [10], clause 8.3	o.7	
ENS6	getSAPIPSubnet	ES 202 912-10 [10], clause 8.3	o.7	
ENS7	setCallback	ES 202 912-10 [10], clause 8.3	m	
o.7: It is mandatory to support at least one of these items.				

---

## Annex J (normative): ICS proforma for ES 201 915-11 Account Management SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### J.1 Guidance for completing the ICS proforma

#### J.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-11 [11] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### J.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### J.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## J.2 Identification of the implementation

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

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

### J.2.1 Date of the statement

.....

### J.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

### J.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### J.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....



E-mail address:

.....

Additional information:

.....

.....

.....

## J.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-11 [11]: "Open Service Access (OSA); Application Programming Interface (API); Part 11: Account Management SCF".

## J.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-11 [11] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

## J.5 Account Management SCF Functionalities

This clause contains the ICS proforma tables related to the Account Management SCF functionalities.

### J.5.1 Interfaces

**Table J.1: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpAccountManager	ES 201 915-11 [11], clause 8.1	m	

## J.5.2 Methods

**Table J.2: IpAccountManager Methods**

Prerequisite: J.1/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
AM1	createNotification	ES 201 915-11 [11], clause 8.1	o.1	
AM2	destroyNotification	ES 201 915-11 [11], clause 8.1	c.1	
AM3	queryBalanceReq	ES 201 915-11 [11], clause 8.1	o.1	
AM4	changeNotification	ES 201 915-11 [11], clause 8.1	o	
AM5	getNotification	ES 201 915-11 [11], clause 8.1	o	
AM6	retrieveTransactionHistoryReq	ES 201 915-11 [11], clause 8.1	o.1	
AM7	setCallback	ES 201 915-11 [11], clause 8.1	m	
o.1: It is mandatory to support at least one of these items.				
c.1: m, if AM2 supported, else N/A.				

---

## Annex K (normative): ICS proforma for ES 201 915-12 Charging SCF

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

---

### K.1 Guidance for completing the ICS proforma

#### K.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 201 915-12 [12] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- service capability server role;
- major capabilities, if any;
- interfaces;
- methods.

#### K.1.2 Abbreviations and conventions

The contents of this clause can be found in clause A.1.2 of the present document.

#### K.1.3 Instructions for completing the ICS proforma

The contents of this clause can be found in clause A.1.3 of the present document.

---

## K.2 Identification of the implementation

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

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

### K.2.1 Date of the statement

.....

### K.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

### K.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### K.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

---

## K.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 201 915-12 [12]: "Open Service Access (OSA); Application Programming Interface (API); Part 12: Charging SCF".

---

## K.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 201 915-12 [12] specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

---

## K.5 Charging SCF Functionalities

This clause contains the ICS proforma tables related to the Charging SCF functionalities.

### K.5.1 Major capabilities

**Table K.1: Major capabilities**

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
MC1	Charging with reservations	ES 201 915-12 [12], clause 5.1	o.1	
MC2	Direct charging	ES 201 915-12 [12], clause 5.2	o.1	
o.1: At least one of these services shall be supported.				

### K.5.2 Interfaces

**Table K.2: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpChargingManager	ES 201 915-12 [12], clause 8.1	m	
I2	IpChargingSession	ES 201 915-12 [12], clause 8.3	m	

## K.5.3 Methods

**Table K.3: IpChargingManager Methods**

Prerequisite: K.2/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
CM1	createChargingSession	ES 201 915-12 [12], clause 8.1	m	
CM2	setCallback	ES 201 915-12 [12], clause 7.1.4	m	

**Table K.4: IpChargingSession Methods**

Prerequisite: K.2/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
CS1	creditAmountReq	ES 201 915-12 [12], clause 8.3	c.4	
CS2	creditUnitReq	ES 201 915-12 [12], clause 8.3	c.5	
CS3	debitAmountReq	ES 201 915-12 [12], clause 8.3	c.4	
CS4	debitUnitReq	ES 201 915-12 [12], clause 8.3	c.5	
CS5	directCreditAmountReq	ES 201 915-12 [12], clause 8.3	c.3	
CS6	directCreditUnitReq	ES 201 915-12 [12], clause 8.3	c.3	
CS7	directDebitAmountReq	ES 201 915-12 [12], clause 8.3	c.3	
CS8	directDebitUnitReq	ES 201 915-12 [12], clause 8.3	c.3	
CS9	extendLifeTimeReq	ES 201 915-12 [12], clause 8.3	c.1	
CS10	getAmountLeft	ES 201 915-12 [12], clause 8.3	c.6	
CS11	getLifeTimeLeft	ES 201 915-12 [12], clause 8.3	c.1	
CS12	getUnitLeft	ES 201 915-12 [12], clause 8.3	c.7	
CS13	rateReq	ES 201 915-12 [12], clause 8.3	o	
CS14	release	ES 201 915-12 [12], clause 8.3	m	
CS15	reserveAmountReq	ES 201 915-12 [12], clause 8.3	c.2	
CS16	reserveUnitReq	ES 201 915-12 [12], clause 8.3	c.2	
CS17	setCallbackWithSessionID	ES 201 915-12 [12], clause 7.1.4	m	
c.1:	o, if MC1 supported, else N/A.			
c.2:	at least one of these shall be supported , if MC1 supported, else N/A.			
c.3:	at least one of these shall be supported , if MC2 supported, else N/A.			
c.4:	at least one of these shall be supported if CS15 supported, else N/A.			
c.5:	at least one of these shall be supported if CS16 supported, else N/A.			
c.6:	o, if CS15 supported, else N/A.			
c.7:	o, if CS16 supported, else N/A.			

---

## History

<b>Document history</b>		
V1.1.1	February 2003	Membership Approval Procedure MV 20030418: 2003-02-18 to 2003-04-18