

# ETSI ES 202 170 V1.2.1 (2005-01)

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*ETSI Standard*

**Open Service Access (OSA);  
Application Programming Interface (API);  
Implementation Conformance Statement (ICS)  
proforma specification  
(Parlay 3)**

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Reference

RES/TISPAN-06003-OSA

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Keywords

API, OSA, ICS

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## Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN).

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

- [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 [1] to ES 201 915-12 [12], ISO/IEC 9646-1 [13], 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

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

**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.

**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
SCF	Service Capability Feature
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 [1] to 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 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 [1] to ES 201 915-12 [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 [1] to ES 201 915-1 [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 series ([1] to [12]) to 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.
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### 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;
- 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 Functionalities of the Framework

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

### B.5.1 APIs supported

**Table B.1: APIs**

Item	API: Does the implementation support:	Reference	Status	Support
API1	Access Session API?	ES 201 915-3 [3], clause 6	m	
API2	Framework-to-Application API?	ES 201 915-3 [3], clause 7	m	
API3	Framework-to-Enterprise Operator API?	ES 201 915-3 [3], clause 8	o	
API4	Framework-to-Service API?	ES 201 915-3 [3], clause 9	m	

### B.5.2 Access Session API

#### B.5.2.1 Interfaces implemented by the Framework

**Table B.2: 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.1	
FW_AS_I4	IpAuthentication	ES 201 915-3 [3], clause 6.3.1.4	o.1	
o.1: It is mandatory to support at least one of these items.				

## B.5.2.2 Methods implemented by the Framework

**Table B.3: IpInitial methods**

Prerequisite: B.2/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.4: IpAccess methods**

Prerequisite: B.2/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.5: IpAPILevelAuthentication methods**

Prerequisite: B.2/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.6: IpAuthentication methods**

Prerequisite: B.2/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.5.3 Framework-to-Application API

### B.5.3.1 Interfaces implemented by the Framework

**Table B.7: 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.5.3.2 Methods implemented by the Framework

**Table B.8: IpServiceDiscovery methods**

Prerequisite: B.7/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.9: IpServiceAgreementManagement methods**

Prerequisite: B.7/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.10: IpFaultManager methods**

Prerequisite: B.7/FA\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
FM1	activityTestReq	ES 201 915-3 [3], clause 7.3.3.2	o.2	
FM2	appActivityTestRes	ES 201 915-3 [3], clause 7.3.3.2	o.2	
FM3	svcUnavailabledInd	ES 201 915-3 [3], clause 7.3.3.2	o.2	
FM4	genFaultStatsRecordReq	ES 201 915-3 [3], clause 7.3.3.2	o.2	
FM5	appUnavailableInd	ES 201 915-3 [3], clause 7.3.3.2	o.2	
FM6	appActivityTestErr	ES 201 915-3 [3], clause 7.3.3.2	o.2	
FM7	genFaultStatsRecordRes	ES 201 915-3 [3], clause 7.3.3.2	o.2	
FM8	genFaultStatsRecordErr	ES 201 915-3 [3], clause 7.3.3.2	o.2	
o.2: It is mandatory to support at least one of these items				

**Table B.11: IpHeartBeatMgmt methods**

Prerequisite: B.7/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.12: IpHeartBeat methods**

Prerequisite: B.7/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.13: IpLoadManager methods**

Prerequisite: B.7/FA\_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
LM1	reportLoad	ES 201 915-3 [3], clause 7.3.3.8	o.3	
LM2	queryLoadReq	ES 201 915-3 [3], clause 7.3.3.8	o.3	
LM3	queryAppLoadRes	ES 201 915-3 [3], clause 7.3.3.8	o.3	
LM4	queryAppLoadErr	ES 201 915-3 [3], clause 7.3.3.8	o.3	
LM5	createLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.8	o.3	
LM6	destroyLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.8	c.1	
LM7	resumeNotification	ES 201 915-3 [3], clause 7.3.3.8	c.3	
LM8	suspendNotification	ES 201 915-3 [3], clause 7.3.3.8	c.2	
o.3: It is mandatory to support at least one of these items. c.1: m, if LM5 supported, else N/A. c.2: o, if LM5 supported, else N/A. c.3: m, if LM8 supported, else N/A.				

**Table B.14: IpOAM methods**

Prerequisite: B.7/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.15: IpEventNotification methods**

Prerequisite: B.7/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.5.4 Framework-to-Enterprise Operator API

### B.5.4.1 Interfaces implemented by the Framework

**Table B.16: 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	
FE_I7	IpClientAppManagement	ES 201 915-3 [3], clause 8	m	
FE_I8	IpClientAppInfoQuery	ES 201 915-3 [3], clause 8	m	

## B.5.4.2 Methods implemented by the Framework

**Table B.17: IpEntOpAccountInfoQuery methods**

Prerequisite: B.16/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.18: IpEntOpAccountManagement methods**

Prerequisite: B.16/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.19: IpServiceContractInfoQuery methods**

Prerequisite: B.16/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.20: IpServiceContractManagement methods**

Prerequisite: B.16/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.21: IpServiceProfileInfoQuery methods**

Prerequisite: B.16/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.22: IpServiceProfileManagement methods**

Prerequisite: B.16/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	

**Table B.23: IpClientAppManagement methods**

Prerequisite: B.16/FE\_I7

Item	Methods: Is the method implemented?	Reference	Status	Support
SCA1	createClientApp	ES 201 915-3 [3], clause 8.3.1.1	m	
SCA2	modifyClientApp	ES 201 915-3 [3], clause 8.3.1.1	m	
SCA3	deleteClientApp	ES 201 915-3 [3], clause 8.3.1.1	m	
SCA4	createSAG	ES 201 915-3 [3], clause 8.3.1.1	m	
SCA5	modifySAG	ES 201 915-3 [3], clause 8.3.1.1	m	
SCA6	deleteSAG	ES 201 915-3 [3], clause 8.3.1.1	m	
SCA7	addSAGMembers	ES 201 915-3 [3], clause 8.3.1.1	m	
SCA8	removeSAGMembers	ES 201 915-3 [3], clause 8.3.1.1	m	

**Table B.24: IpClientAppInfoQuery methods**

Prerequisite: B.16/FE\_I8

Item	Methods: Is the method implemented?	Reference	Status	Support
CAI1	describeClientApp	ES 201 915-3 [3], clause 8.3.1.2	m	
CAI2	listClientApps	ES 201 915-3 [3], clause 8.3.1.2	m	
CAI3	describeSAG	ES 201 915-3 [3], clause 8.3.1.2	m	
CAI4	listSAGs	ES 201 915-3 [3], clause 8.3.1.2	m	
CAI5	listSAGMembers	ES 201 915-3 [3], clause 8.3.1.2	m	
CAI6	listClientAppMembership	ES 201 915-3 [3], clause 8.3.1.2	m	

## B.5.5 Framework-to-Service API

### B.5.5.1 Interfaces implemented by the Framework

**Table B.25: 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.5.5.2 Methods implemented by the Framework

**Table B.26: IpFwServiceRegistration methods**

Prerequisite: B.25/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.27: IpFWServiceDiscovery methods**

Prerequisite: B.25/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	describeSericeType	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.28: IpFwFaultManager methods**

Prerequisite: B.25/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.4	
FFM2	svcActivityTestRes	ES 201 915-3 [3], clause 9.3.4.1	o.4	
FFM3	appUnavailedInd	ES 201 915-3 [3], clause 9.3.4.1	o.4	
FFM4	genFaultStatsRecordReq	ES 201 915-3 [3], clause 9.3.4.1	o.4	
FFM5	svcUnavailableInd	ES 201 915-3 [3], clause 9.3.4.1	o.4	
FFM6	svcActivityTestErr	ES 201 915-3 [3], clause 9.3.4.1	o.4	
FFM7	genFaultStatsRecordRes	ES 201 915-3 [3], clause 9.3.4.1	o.4	
FFM8	genFaultStatsRecordErr	ES 201 915-3 [3], clause 9.3.4.1	o.4	
o.4: It is mandatory to support at least one of these items.				

**Table B.29: IpFwHeartBeatMgmt methods**

Prerequisite: B.25/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.30: IpFwHeartBeat methods**

Prerequisite: B.25/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.31: IpFwLoadManager methods**

Prerequisite: B.25/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.5	
FLM2	queryLoadReq	ES 201 915-3 [3], clause 9.3.4.7	o.5	
FLM3	querySvcLoadRes	ES 201 915-3 [3], clause 9.3.4.7	o.5	
FLM4	querySvcLoadErr	ES 201 915-3 [3], clause 9.3.4.7	o.5	
FLM5	createLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.7	o.5	
FLM6	destroyLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.7	c.4	
FLM7	suspendNotification	ES 201 915-3 [3], clause 9.3.4.7	c.5	
FLM8	resumeNotification	ES 201 915-3 [3], clause 9.3.4.7	c.7	
o.5: It is mandatory to support at least one of these items. c.4: m, if FLM5 supported, else N/A. c.5: o, if FLM5 supported, else N/A. c.6: m, if FLM7 supported, else N/A.				

**Table B.32: IpFwOAM methods**

Prerequisite: B.25/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.33: IpFwEventNotification methods**

Prerequisite: B.25/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	

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## B.6 Framework functionalities of the Application

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

### B.6.1 APIs supported

**Table B.34: APIs**

Item	API: Does the implementation support:	Reference	Status	Support
API_A1	Access Session API?	ES 201 915-3 [3], clause 6	m	
API_A2	Framework-to-Application API?	ES 201 915-3 [3], clause 7	m	

## B.6.2 Access Session API

### B.6.2.1 Framework methods required by the Application

**Table B.35: IpInitial methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
INI_A1	initiateAuthentication	ES 201 915-3 [3], clause 6.3.1.3	m	

**Table B.36: IpAccess methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
AI_A1	obtainInterface	ES 201 915-3 [3], clause 6.3.1.6	o	
AI_A2	obtainInterfaceWithCallBack	ES 201 915-3 [3], clause 6.3.1.6	m	
AI_A3	endAccess	ES 201 915-3 [3], clause 6.3.1.6	o	
AI_A4	listInterfaces	ES 201 915-3 [3], clause 6.3.1.6	o	
AI_A5	releaseInterface	ES 201 915-3 [3], clause 6.3.1.6	o	

**Table B.37: IpAPILevelAuthentication methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
Aautl_A1	selectEncryptionMethod	ES 201 915-3 [3], clause 6.3.1.5	c.7	
Aautl_A2	authenticate	ES 201 915-3 [3], clause 6.3.1.5	o	
Aautl_A3	abortAuthentication	ES 201 915-3 [3], clause 6.3.1.5	o	
Aautl_A4	authenticationSucceeded	ES 201 915-3 [3], clause 6.3.1.5	o	
Aautl_A5	requestAccess	ES 201 915-3 [3], clause 6.3.1.5	c.7	

c.7: m, if API Level authentication implemented, else N/A.

**Table B.38: IpAuthentication methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
Autl_A1	requestAccess	ES 201 915-3 [3], clause 6.3.1.4	c.8	

c.8: m, if API Level authentication not implemented, else o.

### B.6.2.2 Interfaces implemented by the Application

**Table B.39: Interfaces for Access Session API**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
APP_AS_I1	IpClientAccess	ES 201 915-3 [3], clause 6.3.1.2	m	
APP_AS_I2	IpClientAPILevelAuthentication	ES 201 915-3 [3], clause 6.3.1.1	c.9	

c.9: m, if API Level authentication implemented, else N/A.

### B.6.2.3 Methods implemented by the Application

**Table B.40: IpClientAccess**

Prerequisite: B.39/APP\_AS\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
APP_CA1	terminateAccess	ES 201 915-3 [3], clause 6.3.1.2	m	

**Table B.41: IpClientAPILevelAuthentication**

Prerequisite: B.39/APP\_AS\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
APP_CAA1	authenticate	ES 201 915-3 [3], clause 6.3.1.1	m	
APP_CAA2	abortAuthentication	ES 201 915-3 [3], clause 6.3.1.1	m	
APP_CAA3	authenticationSucceeded	ES 201 915-3 [3], clause 6.3.1.1	m	

## B.6.3 Framework-to-Application API

### B.6.3.1 Framework methods required by the Application

**Table B.42: IpServiceDiscovery methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
SDI1	listServiceTypes	ES 201 915-3 [3], clause 7.3.1.1	o	
SDI2	describeServiceType	ES 201 915-3 [3], clause 7.3.1.1	o	
SDI3	discoverService	ES 201 915-3 [3], clause 7.3.1.1	o	
SDI4	listSubscribedServices	ES 201 915-3 [3], clause 7.3.1.1	o	

**Table B.43: IpServiceAgreementManagement methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
SAI1	signServiceAgreement	ES 201 915-3 [3], clause 7.3.2.2	m	
SAI2	terminateServiceAgreement	ES 201 915-3 [3], clause 7.3.2.2	m	
SAI3	selectService	ES 201 915-3 [3], clause 7.3.2.2	m	
SAI4	initiatesignServiceAgreement	ES 201 915-3 [3], clause 7.3.2.2	m	

**Table B.44: IpFaultManager methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
FMI1	activityTestReq	ES 201 915-3 [3], clause 7.3.3.2	o	
FMI2	appActivityTestRes	ES 201 915-3 [3], clause 7.3.3.2	o	
FMI3	svcUnavailbleInd	ES 201 915-3 [3], clause 7.3.3.2	o	
FMI4	genFaultStatsRecordReq	ES 201 915-3 [3], clause 7.3.3.2	o	
FMI5	appUnavailableInd	ES 201 915-3 [3], clause 7.3.3.2	o	
FMI6	appActivityTestErr	ES 201 915-3 [3], clause 7.3.3.2	o	
FMI7	genFaultStatsRecordRes	ES 201 915-3 [3], clause 7.3.3.2	o	
FMI8	genFaultStatsRecordErr	ES 201 915-3 [3], clause 7.3.3.2	o	

Table B.45: IpHeartBeatMgmt methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
HMI1	enableHeartBeat	ES 201 915-3 [3], clause 7.3.3.5	o	
HMI2	disableHeartBeat	ES 201 915-3 [3], clause 7.3.3.5	o	
HMI3	changeInterval	ES 201 915-3 [3], clause 7.3.3.5	o	

Table B.46: IpHeartBeat methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
HBI1	pulse	ES 201 915-3 [3], clause 7.3.3.6	o	

Table B.47: IpLoadManager methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
LMI1	reportLoad	ES 201 915-3 [3], clause 7.3.3.8	o	
LMI2	queryLoadReq	ES 201 915-3 [3], clause 7.3.3.8	o	
LMI3	queryAppLoadRes	ES 201 915-3 [3], clause 7.3.3.8	o	
LMI4	queryAppLoadErr	ES 201 915-3 [3], clause 7.3.3.8	o	
LMI5	createLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.8	o	
LMI6	destroyLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.8	o	
LMI7	resumeNotification	ES 201 915-3 [3], clause 7.3.3.8	o	
LMI8	suspendNotification	ES 201 915-3 [3], clause 7.3.3.8	o	

Table B.48: IpOAM methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
OAI1	systemDateTimeQuery	ES 201 915-3 [3], clause 7.3.3.9	o	

Table B.49: IpEventNotification methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
ENI1	createNotification	ES 201 915-3 [3], clause 7.3.4.2	o	
ENI2	destroyNotification	ES 201 915-3 [3], clause 7.3.4.2	o	

### B.6.3.2 Interfaces implemented by the Application

Table B.50: Interfaces for Framework-to-Application API

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
APP_FA_I1	IpAppServiceAgreementManagement	ES 201 915-3 [3], clause 7.3.2.1	m	
APP_FA_I2	IpAppFaultManager	ES 201 915-3 [3], clause 7.3.3.1	o	
APP_FA_I3	IpAppHeartBeatMgmt	ES 201 915-3 [3], clause 7.3.3.3	o	
APP_FA_I4	IpAppHeartBeat	ES 201 915-3 [3], clause 7.3.3.4	o	
APP_FA_I5	IpAppLoadManager	ES 201 915-3 [3], clause 7.3.3.7	o	
APP_FA_I6	IpAppOAM	ES 201 915-3 [3], clause 7.3.3.10	o	
APP_FA_I7	IpAppEventNotification	ES 201 915-3 [3], clause 7.3.4.1	o	

### B.6.3.3 Methods implemented by the Application

**Table B.51: IpAppServiceAgreementManagement methods**

Prerequisite: B.50/APP\_FA\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
ASA1	signServiceAgreement	ES 201 915-3 [3], clause 7.3.2.1	m	
ASA2	terminateServiceAgreement	ES 201 915-3 [3], clause 7.3.2.1	m	

**Table B.52: IpAppFaultManager methods**

Prerequisite: B.50/APP\_FA\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
AFM1	activityTestRes	ES 201 915-3 [3], clause 7.3.3.1	c.10	
AFM2	appActivityTestReq	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM3	fwFaultReportInd	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM4	fwFaultRecoveryInd	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM5	svcUnavailabledInd	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM6	genFaultStatsRecordRes	ES 201 915-3 [3], clause 7.3.3.1	c.11	
AFM7	fwUnavailableInd	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM8	activityTestErr	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM9	genFaultStatsRecordErr	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM10	appUnavailableInd	ES 201 915-3 [3], clause 7.3.3.1	o.6	
AFM11	genFaultStatsRecordReq	ES 201 915-3 [3], clause 7.3.3.1	o.6	
o.6: It is mandatory to support at least one of these items.				
c.10: m if B.44/FMI1, else o.6.				
c.11: m if B.44/FMI4, else o.6.				

**Table B.53: IpAppHeartBeatMgmt methods**

Prerequisite: B.50/APP\_FA\_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
AHM1	enableAppHeartBeat	ES 201 915-3 [3], clause 7.3.3.3	m	
AHM2	disableAppHeartBeat	ES 201 915-3 [3], clause 7.3.3.3	m	
AHM3	changeInterval	ES 201 915-3 [3], clause 7.3.3.3	o	

**Table B.54: IpAppHeartBeat methods**

Prerequisite: B.50/APP\_FA\_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
AHB1	pulse	ES 201 915-3 [3], clause 7.3.3.4	m	

**Table B.55: IpAppLoadManager methods**

Prerequisite: B.50/APP\_FA\_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
ALM1	queryAppLoadReq	ES 201 915-3 [3], clause 7.3.3.7	o.7	
ALM2	queryLoadRes	ES 201 915-3 [3], clause 7.3.3.7	c.12	
ALM3	queryLoadErr	ES 201 915-3 [3], clause 7.3.3.7	o.7	
ALM4	loadLevelNotification	ES 201 915-3 [3], clause 7.3.3.7	c.13	
ALM5	resumeNotification	ES 201 915-3 [3], clause 7.3.3.7	o.7	
ALM6	suspendNotification	ES 201 915-3 [3], clause 7.3.3.7	o.7	
ALM7	createLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.7	o.7	
ALM8	destroyLoadLevelNotification	ES 201 915-3 [3], clause 7.3.3.7	o.7	
o.7: It is mandatory to support at least one of these items. c.12: m if B.47/LMI2, else o.7. c.13: m if B.47/LMI5, else o.7.				

**Table B.56: IpAppOAM methods**

Prerequisite: B.50/APP\_FA\_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
AOA1	systemDateTimeQuery	ES 201 915-3 [3], clause 7.3.3.10	m	

**Table B.57: IpAppEventNotification methods**

Prerequisite: B.50/APP\_FA\_I7

Item	Methods: Is the method implemented?	Reference	Status	Support
AEN1	reportNotification	ES 201 915-3 [3], clause 7.3.4.1	m	
AEN2	notificationTerminated	ES 201 915-3 [3], clause 7.3.4.1	o	

---

## B.7 Framework functionalities of the SCS

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

### B.7.1 APIs

**Table B.58: APIs**

Item	API: Does the implementation support:	Reference	Status	Support
API_S1	Access Session API?	ES 201 915-3 [3], clause 6	m	
API_S2	Framework-to-Service API?	ES 201 915-3 [3], clause 9	m	

## B.7.2 Access Session API

### B.7.2.1 Framework methods required by the SCS

**Table B.59: IpInitial methods**

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
INI_S1	initiateAuthentication	ES 201 915-3 [3], clause 6.3.1.3	m	

**Table B.60: IpAccess methods**

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
AI_S1	obtainInterface	ES 201 915-3 [3], clause 6.3.1.6	o	
AI_S2	obtainInterfaceWithCallBack	ES 201 915-3 [3], clause 6.3.1.6	m	
AI_S3	endAccess	ES 201 915-3 [3], clause 6.3.1.6	o	
AI_S4	listInterfaces	ES 201 915-3 [3], clause 6.3.1.6	o	
AI_S5	releaseInterface	ES 201 915-3 [3], clause 6.3.1.6	o	

**Table B.61: IpAPILevelAuthentication methods**

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
Aautl_S1	selectEncryptionMethod	ES 201 915-3 [3], clause 6.3.1.5	c.14	
Aautl_S2	authenticate	ES 201 915-3 [3], clause 6.3.1.5	o	
Aautl_S3	abortAuthentication	ES 201 915-3 [3], clause 6.3.1.5	o	
Aautl_S4	authenticationSucceeded	ES 201 915-3 [3], clause 6.3.1.5	o	
Aautl_S5	requestAccess	ES 201 915-3 [3], clause 6.3.1.5	c.14	

c.14: m, if API Level authentication implemented, else N/A.

**Table B.62: IpAuthentication methods**

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
Autl_S1	requestAccess	ES 201 915-3 [3], clause 6.3.1.4	c.15	

c.15: m, if API Level authentication not implemented, else o.

### B.7.2.2 Interfaces implemented by the SCS

**Table B.63: 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	c.16	

c.16: m, if API Level authentication implemented, else N/A.

## B.7.2.3 Methods implemented by the SCS

**Table B.64: IpClientAccess**

Prerequisite: B.63/SCS\_AS\_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
SCS_CA1	terminateAccess	ES 201 915-3 [3], clause 6.3.1.2	m	

**Table B.65: IpClientAPILevelAuthentication**

Prerequisite: B.63/SCS\_AS\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
SCS_CAA1	authenticate	ES 201 915-3 [3], clause 6.3.1.1	m	
SCS_CAA2	abortAuthentication	ES 201 915-3 [3], clause 6.3.1.1	m	
SCS_CAA3	authenticationSucceeded	ES 201 915-3 [3], clause 6.3.1.1	m	

## B.7.3 Framework-to-Service API

### B.7.3.1 Framework methods required by the SCS

**Table B.66: IpFwServiceRegistration methods**

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
SRI1	registerService	ES 201 915-3 [3], clause 9.3.1.1	m	
SRI2	announceServiceAvailability	ES 201 915-3 [3], clause 9.3.1.1	m	
SRI3	unregisterService	ES 201 915-3 [3], clause 9.3.1.1	m	
SRI4	describeService	ES 201 915-3 [3], clause 9.3.1.1	o	
SRI5	unannounceService	ES 201 915-3 [3], clause 9.3.1.1	m	

**Table B.67: IpFWServiceDiscovery methods**

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
FSDI1	listServiceTypes	ES 201 915-3 [3], clause 9.3.3.1	o	
FSDI2	describeServiceType	ES 201 915-3 [3], clause 9.3.3.1	o	
FSDI3	discoverService	ES 201 915-3 [3], clause 9.3.3.1	o	
FSDI4	listRegisteredServices	ES 201 915-3 [3], clause 9.3.3.1	o	

**Table B.68: IpFwFaultManager methods**

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
FFMI1	activityTestReq	ES 201 915-3 [3], clause 9.3.4.1	o	
FFMI2	svcActivityTestRes	ES 201 915-3 [3], clause 9.3.4.1	o	
FFMI3	appUnavailedInd	ES 201 915-3 [3], clause 9.3.4.1	o	
FFMI4	genFaultStatsRecordReq	ES 201 915-3 [3], clause 9.3.4.1	o	
FFMI5	svcUnavailableInd	ES 201 915-3 [3], clause 9.3.4.1	o	
FFMI6	svcActivityTestErr	ES 201 915-3 [3], clause 9.3.4.1	o	
FFMI7	genFaultStatsRecordRes	ES 201 915-3 [3], clause 9.3.4.1	o	
FFMI8	genFaultStatsRecordErr	ES 201 915-3 [3], clause 9.3.4.1	o	



Table B.69: IpFwHeartBeatMgmt methods

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
FHMI1	enableHeartBeat	ES 201 915-3 [3], clause 9.3.4.3	o	
FHMI2	disableHeartBeat	ES 201 915-3 [3], clause 9.3.4.3	o	
FHMI3	changeInterval	ES 201 915-3 [3], clause 9.3.4.3	o	

Table B.70: IpFwHeartBeat methods

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
FHBI1	pulse	ES 201 915-3 [3], clause 9.3.4.4	o	

Table B.71: IpFwLoadManager methods

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
FLMI1	reportLoad	ES 201 915-3 [3], clause 9.3.4.7	o	
FLMI2	queryLoadReq	ES 201 915-3 [3], clause 9.3.4.7	o	
FLMI3	querySvcLoadRes	ES 201 915-3 [3], clause 9.3.4.7	o	
FLMI4	querySvcLoadErr	ES 201 915-3 [3], clause 9.3.4.7	o	
FLMI5	createLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.7	o	
FLMI6	destroyLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.7	o	
FLMI7	suspendNotification	ES 201 915-3 [3], clause 9.3.4.7	o	
FLMI8	resumeNotification	ES 201 915-3 [3], clause 9.3.4.7	o	

Table B.72: IpFwOAM methods

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
FOI1	systemDateTimeQuery	ES 201 915-3 [3], clause 9.3.4.9	o	

Table B.73: IpFwEventNotification methods

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
FENI1	createNotification	ES 201 915-3 [3], clause 9.3.5.1	o	
FENI2	destroyNotification	ES 201 915-3 [3], clause 9.3.5.1	o	

### B.7.3.2 Interfaces implemented by the SCS

Table B.74: 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.7.3.3 Methods implemented by the SCS

**Table B.75: IpServiceInstanceLifeCycleManager methods**

Prerequisite: B.74/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.76: IpSvcFaultManager methods**

Prerequisite: B.74/SCS\_FS\_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
SFM1	activityTestRes	ES 201 915-3 [3], clause 9.3.4.2	c.17	
SFM2	svcActivityTestReq	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM3	fwFaultReportInd	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM4	fwFaultRecoveryInd	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM5	fwUnavailableInd	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM6	svcUnavailableInd	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM7	appUnavailableInd	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM8	genFaultStatsRecordRes	ES 201 915-3 [3], clause 9.3.4.2	c.18	
SFM9	activityTestErr	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM10	genFaultStatsRecordErr	ES 201 915-3 [3], clause 9.3.4.2	o.8	
SFM11	genFaultStatsRecordReq	ES 201 915-3 [3], clause 9.3.4.2	o.8	
o.8: It is mandatory to support at least one of these items. c.17: m if B.68/FFMI1, else o.8. c.18: m if B.68/FFMI4, else o.8.				

**Table B.77: IpSvcHeartBeatMgmt methods**

Prerequisite: B.74/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.78: IpSvcHeartBeat methods**

Prerequisite: B.74/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.79: IpSvcLoadManager methods**

Prerequisite: B.74/SCS\_FS\_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
SLM1	querySvcLoadReq	ES 201 915-3 [3], clause 9.3.4.8	o.9	
SLM2	queryLoadRes	ES 201 915-3 [3], clause 9.3.4.8	c.19	
SLM3	queryLoadErr	ES 201 915-3 [3], clause 9.3.4.8	o.9	
SLM4	loadLevelNotification	ES 201 915-3 [3], clause 9.3.4.8	c.20	
SLM5	suspendNotification	ES 201 915-3 [3], clause 9.3.4.8	o.9	
SLM6	resumeNotification	ES 201 915-3 [3], clause 9.3.4.8	o.9	
SLM7	createLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.8	o.9	
SLM8	destroyLoadLevelNotification	ES 201 915-3 [3], clause 9.3.4.8	o.9	
o.9: It is mandatory to support at least one of these items. c.19: m if B.71/FLMI2, else o.9 c.20: m if B.71/FLMI5, else o.9				

**Table B.80: IpSvcOAM methods**

Prerequisite: B.74/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.81: IpSvcEventNotification methods**

Prerequisite: B.74/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	

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## 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.
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### 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;
- 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 Generic Call Control

#### C.5.2.1 Interfaces implemented 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_11	IpCallControlManager	ES 201 915-4 [4], clause 6.3.1	m	
G_12	IpCall	ES 201 915-4 [4], clause 6.3.3	m	

## C.5.2.2 Methods for Generic Call Control Service

Prerequisite: C.1/MC1

**Table C.3: 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.4: 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	continueProcessing	ES 201 915-4 [4], clause 6.3.3	o	
G_C10	setCallbackWithSessionID	ES 201 915-4 [4], clause 6.3.3	m	

## C.5.3 MultiParty Call Control

### C.5.3.1 Interfaces implemented for MultiParty Call Control Service

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

Prerequisite: C.1/MC2

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

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

Prerequisite: C.1/MC2

**Table C.6: IpMultiPartyCallControlManager**

Prerequisite: C.5/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.7: IpMultiPartyCall**

Prerequisite: C.5/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.8: IpCallLeg**

Prerequisite: C.5/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.5.4 MultiMedia Call Control

### C.5.4.1 Interfaces implemented for MultiMedia Call Control Service

**Table C.9: 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.5.4.2 Methods for MultiMedia Call Control Service

Prerequisite: C.1/MC3

**Table C.10: IpMultiMediaCallControlManager**

Prerequisite: C.9/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.11: IpMultiMediaCall**

Prerequisite: C.9/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.12: IpMultiMediaCallLeg**

Prerequisite: C.9/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.13: IpMultiMediaStream**

Prerequisite: C.9/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.5.5 Conference Call Control

### C.5.5.1 Interfaces implemented for Conference Call Control Service

**Table C.14: 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 9.3.3	m	
C_I3	IpSubConfCall	ES 201 915-4 [4], clause 9.3.5	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.5.5.2 Methods for Conference Call Control Service

Prerequisite: C.1/MC4

**Table C.15: IpConfCallControlManager**

Prerequisite: C.14/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.14/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.14/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.14/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.14/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	

## C.6 Functionalities of Applications using Call Control SCF

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

### C.6.1 Major capabilities

**Table C.20: Major capabilities**

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
AMC1	Generic Call Control Service	ES 201 915-4 [4], clause 4	o.12	
AMC2	MultiParty Call Control Service	ES 201 915-4 [4], clause 4	o.12	
AMC3	MultiMedia Call Control Service	ES 201 915-4 [4], clause 4	o.12	
AMC4	Conference Call Control Service	ES 201 915-4 [4], clause 4	o.12	

o.12: At least one of these services shall be supported.

### C.6.2 Generic Call Control

Prerequisite: C.20/AMC1

#### C.6.2.1 Generic Call Control SCF methods required by the Application

**Table C.21: IpCallControlManager**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
G_CCMI1	createCall	ES 201 915-4 [4], clause 6.3.1	o.13	
G_CCMI2	enableCallNotification	ES 201 915-4 [4], clause 6.3.1	o.13	
G_CCMI3	disableCallNotification	ES 201 915-4 [4], clause 6.3.1	o	
G_CCMI4	setCallLoadControl	ES 201 915-4 [4], clause 6.3.1	o	
G_CCMI5	changeCallNotification	ES 201 915-4 [4], clause 6.3.1	o	
G_CCMI6	getCriteria	ES 201 915-4 [4], clause 6.3.1	o	

o.13: It is mandatory to support at least one of these items.

**Table C.22: IpCall**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
G_CI1	routeReq	ES 201 915-4 [4], clause 6.3.3	o	
G_CI2	release	ES 201 915-4 [4], clause 6.3.3	o	
G_CI3	deassignCall	ES 201 915-4 [4], clause 6.3.3	o	
G_CI4	getCallInfoReq	ES 201 915-4 [4], clause 6.3.3	o	
G_CI5	setCallChargePlan	ES 201 915-4 [4], clause 6.3.3	o	
G_CI6	setAdviceOfCharge	ES 201 915-4 [4], clause 6.3.3	o	
G_CI7	getMoreDialledDigitsReq	ES 201 915-4 [4], clause 6.3.3	o	
G_CI8	superviseCallReq	ES 201 915-4 [4], clause 6.3.3	o	
G_CI9	continueProcessing	ES 201 915-4 [4], clause 6.3.3	o	

## C.6.2.2 Interfaces implemented for Generic Call Control Service

**Table C. 23: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
G_AI1	IpAppCallControlManager	ES 201 915-4 [4], clause 6.3.2	m	
G_AI2	IpAppCall	ES 201 915-4 [4], clause 6.3.4	o	

## C.6.2.3 Methods for Generic Call Control Service

**Table C.24: IpAppCallControlManager**

Prerequisite: C.23/G\_AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
AG_CCM1	callAborted	ES 201 915-4 [4], clause 6.3.2	o	
AG_CCM2	callEventNotify	ES 201 915-4 [4], clause 6.3.2	c.8	
AG_CCM3	callNotificationInterrupted	ES 201 915-4 [4], clause 6.3.2	o	
AG_CCM4	callNotificationContinued	ES 201 915-4 [4], clause 6.3.2	o	
AG_CCM5	callOverloadEncountered	ES 201 915-4 [4], clause 6.3.2	o	
AG_CCM6	callOverloadCeased	ES 201 915-4 [4], clause 6.3.2	o	
c.8: m if C.21/G_CCM2 supported, else N/A.				

**Table C.25: IpAppCall**

Prerequisite: C.23/G\_AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
AG_C1	routeRes	ES 201 915-4 [4], clause 6.3.4	c.9	
AG_C2	routeErr	ES 201 915-4 [4], clause 6.3.4	o	
AG_C3	getCallInfoRes	ES 201 915-4 [4], clause 6.3.4	c.10	
AG_C4	getCallInfoErr	ES 201 915-4 [4], clause 6.3.4	o	
AG_C5	superviseCallRes	ES 201 915-4 [4], clause 6.3.4	c.11	
AG_C6	superviseCallErr	ES 201 915-4 [4], clause 6.3.4	o	
AG_C7	callFaultDetected	ES 201 915-4 [4], clause 6.3.4	o	
AG_C8	getMoreDialledDigitsRes	ES 201 915-4 [4], clause 6.3.4	c.12	
AG_C9	getMoreDialledDigitsErr	ES 201 915-4 [4], clause 6.3.4	o	
AG_C10	callEnded	ES 201 915-4 [4], clause 6.3.4	o	
c.9: m if C.22/G_C11 supported, else N/A.				
c.10: m if C.22/G_C14 supported, else N/A.				
c.11: m if C.22/G_C18 supported, else N/A.				
c.12: m if C.22/G_C17 supported, else N/A.				

## C.6.3 MultiParty Call Control

Prerequisite: C.20/AMC2

### C.6.3.1 MultiParty Call Control SCF methods required by the Application

**Table C.26: IpMultiPartyCallControlManager**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MP_CCM11	createCall	ES 201 915-4 [4], clause 7.3.1	o.14	
MP_CCM12	createNotification	ES 201 915-4 [4], clause 7.3.1	o.14	
MP_CCM13	destroyNotification	ES 201 915-4 [4], clause 7.3.1	o	
MP_CCM14	changeNotification	ES 201 915-4 [4], clause 7.3.1	o	
MP_CCM15	getNotification	ES 201 915-4 [4], clause 7.3.1	o	
MP_CCM16	setCallLoadControl	ES 201 915-4 [4], clause 7.3.1	o	
o.14: It is mandatory to support at least one of these items.				

**Table C.27: IpMultiPartyCall**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MP_CI1	getCallLeg	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI2	createCallLeg	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI4	release	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI5	deassignCall	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI6	getInfoReq	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI7	setChargePlan	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI8	setAdviceOfCharge	ES 201 915-4 [4], clause 7.3.3	o	
MP_CI9	superviseReq	ES 201 915-4 [4], clause 7.3.3	o	

**Table C.28: IpCallLeg**

Prerequisite: C.5/MP\_I3

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MP_CLI1	routeReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI2	eventReportReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI3	release	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI4	getInfoReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI5	getCall	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI6	attachMediaReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI7	detachMediaReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI8	getCurrentDestinationAddress	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI9	continueProcessing	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI10	setChargePlan	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI11	setAdviceOfCharge	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI12	superviseReq	ES 201 915-4 [4], clause 7.3.5	o	
MP_CLI13	deassign	ES 201 915-4 [4], clause 7.3.5	o	

### C.6.3.2 Interfaces implemented for MultiParty Call Control Service

**Table C.29: Interfaces for MultiParty Call Control Service**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
MP_AI1	IpAppMultiPartyCallControlManager	ES 201 915-4 [4], clause 7.3.2	m	
MP_AI2	IpAppMultiPartyCall	ES 201 915-4 [4], clause 7.3.4	o	
MP_AI3	IpAppCallLeg	ES 201 915-4 [4], clause 7.3.6	o	

### C.6.3.3 Methods for MultiParty Call Control Service

**Table C.30: IpAppMultiPartyCallControlManager**

Prerequisite: C.29/MP\_AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
AMP_CCM1	reportNotification	ES 201 915-4 [4], clause 7.3.2	c.13	
AMP_CCM2	callAborted	ES 201 915-4 [4], clause 7.3.2	o	
AMP_CCM3	managerInterrupted	ES 201 915-4 [4], clause 7.3.2	o	
AMP_CCM4	managerResumed	ES 201 915-4 [4], clause 7.3.2	o	
AMP_CCM5	callOverloadEncountered	ES 201 915-4 [4], clause 7.3.2	o	
AMP_CCM6	callOverloadCeased	ES 201 915-4 [4], clause 7.3.2	o	
c.13: m if C.26/MP_CCM2 supported, else N/A.				

**Table C.31: IpAppMultiPartyCall**

Prerequisite: C.29/MP\_AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
AMP_C1	getInfoRes	ES 201 915-4 [4], clause 7.3.4	c.14	
AMP_C2	getInfoErr	ES 201 915-4 [4], clause 7.3.4	o	
AMP_C3	superviseRes	ES 201 915-4 [4], clause 7.3.4	c.15	
AMP_C4	superviseErr	ES 201 915-4 [4], clause 7.3.4	o	
AMP_C5	callEnded	ES 201 915-4 [4], clause 7.3.4	o	
AMP_C6	createAndRouteCallLegErr	ES 201 915-4 [4], clause 7.3.4	o	
c.14: m if C.27/MP_CI6 supported, else N/A.				
c.15: m if C.27/MP_CI9 supported, else N/A.				



Table C.32: IpAppCallLeg

Prerequisite: C.29/MP\_AI3

Item	Methods: Is the method implemented?	Reference	Status	Support
AMP_CL1	eventReportRes	ES 201 915-4 [4], clause 7.3.6	c.16	
AMP_CL2	eventReportErr	ES 201 915-4 [4], clause 7.3.6	o	
AMP_CL3	attachMediaRes	ES 201 915-4 [4], clause 7.3.6	c.17	
AMP_CL4	attachMediaErr	ES 201 915-4 [4], clause 7.3.6	o	
AMP_CL5	detachMediaRes	ES 201 915-4 [4], clause 7.3.6	c.18	
AMP_CL6	detachMediaErr	ES 201 915-4 [4], clause 7.3.6	o	
AMP_CL7	getInfoRes	ES 201 915-4 [4], clause 7.3.6	c.19	
AMP_CL8	getInfoErr	ES 201 915-4 [4], clause 7.3.6	o	
AMP_CL9	routeErr	ES 201 915-4 [4], clause 7.3.6	o	
AMP_CL10	superviseRes	ES 201 915-4 [4], clause 7.3.6	c.20	
AMP_CL11	superviseErr	ES 201 915-4 [4], clause 7.3.6	o	
AMP_CL12	callLegEnded	ES 201 915-4 [4], clause 7.3.6	o	
c.16: m if C.28/MP_CLI2 supported, else o. c.17: m if C.28/MP_CLI6 supported, else N/A. c.18: m if C.28/MP_CLI7 supported, else N/A. c.19: m if C.28/MP_CLI4 supported, else N/A. c.20: m if C.28/MP_CLI12 supported, else N/A.				

## C.6.4 MultiMedia Call Control

Prerequisite: C.20/AMC3

### C.6.4.1 MultiMedia Call Control SCF methods required by the Application

Table C.33: IpMultiMediaCallControlManager

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MM_CCMI1	createCall	ES 201 915-4 [4], clause 8.3.1	o.15	
MM_CCMI2	createNotification	ES 201 915-4 [4], clause 8.3.1	o.15	
MM_CCMI3	destroyNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCMI4	changeNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCMI5	getNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCMI6	setCallLoadControl	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCMI7	createMediaNotification	ES 201 915-4 [4], clause 8.3.1	o.15	
MM_CCMI8	destroyMediaNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCMI9	changeMediaNotification	ES 201 915-4 [4], clause 8.3.1	o	
MM_CCMI10	getMediaNotification	ES 201 915-4 [4], clause 8.3.1	o	
o.15: It is mandatory to support at least one of these items.				

Table C.34: IpMultiMediaCall

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MM_CI1	getCallLeg	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI2	createCallLeg	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI4	release	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI5	deassignCall	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI6	getInfoReq	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI7	setChargePlan	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI8	setAdviceOfCharge	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI9	superviseReq	ES 201 915-4 [4], clause 8.3.3	o	
MM_CI10	superviseVolumeReq	ES 201 915-4 [4], clause 8.3.3	o	

Table C.35: IpMultiMediaCallLeg

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MM_CLI1	routeReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI2	eventReportReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI3	release	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI4	getInfoReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI5	getCall	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI6	attachMediaReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI7	detachMediaReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI8	getCurrentDestinationAddress	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI9	continueProcessing	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI10	setChargePlan	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI11	setAdviceOfCharge	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI12	superviseReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI13	deassign	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI14	mediaStreamAllow	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI15	mediaStreamMonitorReq	ES 201 915-4 [4], clause 8.3.5	o	
MM_CLI16	getMediaStream	ES 201 915-4 [4], clause 8.3.5	o	

Table C.36: IpMultiMediaStream

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MM_SI1	subtract	ES 201 915-4 [4], clause 8.3.7	o	

## C.6.4.2 Interfaces implemented for MultiMedia Call Control Service

Table C.37: Interfaces for MultiMedia Call Control Service

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MM_AI1	IpAppMultiMediaCallControlManager	ES 201 915-4 [4], clause 8.3.2	m	
MM_AI2	IpAppMultiMediaCall	ES 201 915-4 [4], clause 8.3.4	o	
MM_AI3	IpAppMultiMediaCallLeg	ES 201 915-4 [4], clause 8.3.6	o	

### C.6.4.3 Methods for MultiMedia Call Control Service

**Table C.38: IpAppMultiMediaCallControlManager**

Prerequisite: C.37/MM\_AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
AMM_CCM1	reportNotification	ES 201 915-4 [4], clause 7.3.2	c.21	
AMM_CCM2	callAborted	ES 201 915-4 [4], clause 7.3.2	o	
AMM_CCM3	managerInterrupted	ES 201 915-4 [4], clause 7.3.2	o	
AMM_CCM4	managerResumed	ES 201 915-4 [4], clause 7.3.2	o	
AMM_CCM5	callOverloadEncountered	ES 201 915-4 [4], clause 7.3.2	o	
AMM_CCM6	callOverloadCeased	ES 201 915-4 [4], clause 7.3.2	o	
AMM_CCM7	reportMediaNotification	ES 201 915-4 [4], clause 8.3.2	c.22	
c.21: m if C.33/MM_CCM12 supported, else N/A.				
c.22: m if C.33/MM_CCM17 supported, else N/A.				

**Table C.39: IpAppMultiMediaCall**

Prerequisite: C.37/MM\_AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
AMM_C1	getInfoRes	ES 201 915-4 [4], clause 7.3.4	c.23	
AMM_C2	getInfoErr	ES 201 915-4 [4], clause 7.3.4	o	
AMM_C3	superviseRes	ES 201 915-4 [4], clause 7.3.4	c.24	
AMM_C4	superviseErr	ES 201 915-4 [4], clause 7.3.4	o	
AMM_C5	callEnded	ES 201 915-4 [4], clause 7.3.4	o	
AMM_C6	createAndRouteCallLegErr	ES 201 915-4 [4], clause 7.3.4	o	
AMM_C7	superviseVolumeRes	ES 201 915-4 [4], clause 8.3.4	c.25	
AMM_C8	superviseVolumeErr	ES 201 915-4 [4], clause 8.3.4	o	
c.23: m, if C.34/MM_CL16 supported, else N/A.				
c.24: m, if C.34/MM_CL19 supported, else N/A.				
c.25: m, if C.34/MM_CL10 supported, else N/A.				

**Table C.40: IpAppMultiMediaCallLeg**

Prerequisite: C.37/MM\_AI3

Item	Methods: Is the method implemented?	Reference	Status	Support
AMM_CL1	eventReportRes	ES 201 915-4 [4], clause 7.3.6	c.26	
AMM_CL2	eventReportErr	ES 201 915-4 [4], clause 7.3.6	o	
AMM_CL3	attachMediaRes	ES 201 915-4 [4], clause 7.3.6	c.27	
AMM_CL4	attachMediaErr	ES 201 915-4 [4], clause 7.3.6	o	
AMM_CL5	detachMediaRes	ES 201 915-4 [4], clause 7.3.6	c.28	
AMM_CL6	detachMediaErr	ES 201 915-4 [4], clause 7.3.6	o	
AMM_CL7	getInfoRes	ES 201 915-4 [4], clause 7.3.6	c.29	
AMM_CL8	getInfoErr	ES 201 915-4 [4], clause 7.3.6	o	
AMM_CL9	routeErr	ES 201 915-4 [4], clause 7.3.6	o	
AMM_CL10	superviseRes	ES 201 915-4 [4], clause 7.3.6	c.30	
AMM_CL11	superviseErr	ES 201 915-4 [4], clause 7.3.6	o	
AMM_CL12	callLegEnded	ES 201 915-4 [4], clause 7.3.6	o	
AMM_CL13	mediaStreamMonitorRes	ES 201 915-4 [4], clause 8.3.6	c.31	
c.26: m, if C.35/MM_CL12 supported, else o.				
c.27: m, if C.35/MM_CL16 supported, else N/A.				
c.28: m, if C.35/MM_CL17 supported, else N/A.				
c.29: m, if C.35/MM_CL14 supported, else N/A.				
c.30: m, if C.35/MM_CL12 supported, else N/A.				
c.31: m, if C.35/MM_CL15 supported, else N/A.				

## C.6.5 Conference Call Control

Prerequisite: C.20/AMC4

### C.6.5.1 Conference Call Control SCF methods required by the Application

**Table C.41: IpConfCallControlManager**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_CCMI1	createCall	ES 201 915-4 [4], clause 9.3.1	o.16	
C_CCMI2	createNotification	ES 201 915-4 [4], clause 9.3.1	o.16	
C_CCMI3	destroyNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI4	changeNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI5	getNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI6	setCallLoadControl	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI7	createMediaNotification	ES 201 915-4 [4], clause 9.3.1	o.16	
C_CCMI8	destroyMediaNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI9	changeMediaNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI10	getMediaNotification	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI11	createConference	ES 201 915-4 [4], clause 9.3.1	o.16	
C_CCMI12	checkResources	ES 201 915-4 [4], clause 9.3.1	o	
C_CCMI13	reserveResources	ES 201 915-4 [4], clause 9.3.1	o.16	
C_CCMI14	freeResources	ES 201 915-4 [4], clause 9.3.1	o	

o.16: It is mandatory to support at least one of these items.

**Table C.42: IpConfCall**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_CI1	getCallLeg	ES 201 915-4 [4], clause 9.3.3	o	
C_CI2	createCallLeg	ES 201 915-4 [4], clause 9.3.3	o	
C_CI3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 9.3.3	o	
C_CI4	release	ES 201 915-4 [4], clause 9.3.3	o	
C_CI5	deassignCall	ES 201 915-4 [4], clause 9.3.3	o	
C_CI6	getInfoReq	ES 201 915-4 [4], clause 9.3.3	o	
C_CI7	setChargePlan	ES 201 915-4 [4], clause 9.3.3	o	
C_CI8	setAdviceOfCharge	ES 201 915-4 [4], clause 9.3.3	o	
C_CI9	superviseReq	ES 201 915-4 [4], clause 9.3.3	o	
C_CI10	superviseVolumeReq	ES 201 915-4 [4], clause 9.3.3	o	
C_CI11	getSubConferences	ES 201 915-4 [4], clause 9.3.3	o	
C_CI12	createSubConference	ES 201 915-4 [4], clause 9.3.3	o	
C_CI13	leaveMonitorReq	ES 201 915-4 [4], clause 9.3.3	o	

Table C.43: IpSubConfCall

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_SCCI1	getCallLeg	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI2	createCallLeg	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI3	createAndRouteCallLegReq	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI4	release	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI5	deassignCall	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI6	getInfoReq	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI7	setChargePlan	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI8	setAdviceOfCharge	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI9	superviseReq	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI10	superviseVolumeReq	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI11	splitSubConference	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI12	mergeSubConference	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI13	moveCallLeg	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI14	inspectVideo	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI15	inspectVideoCancel	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI16	appointSpeaker	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI17	chairSelection	ES 201 915-4 [4], clause 9.3.5	o	
C_SCCI18	changeConferencePolicy	ES 201 915-4 [4], clause 9.3.5	o	

Table C.44: IpMultiMediaCallLeg

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_CLI1	routeReq	ES 201 915-4 [4], clause 9.3	o	
C_CLI2	eventReportReq	ES 201 915-4 [4], clause 9.3	o	
C_CLI3	release	ES 201 915-4 [4], clause 9.3	o	
C_CLI4	getInfoReq	ES 201 915-4 [4], clause 9.3	o	
C_CLI5	getCall	ES 201 915-4 [4], clause 9.3	o	
C_CLI6	attachMediaReq	ES 201 915-4 [4], clause 9.3	o	
C_CLI7	detachMediaReq	ES 201 915-4 [4], clause 9.3	o	
C_CLI8	getCurrentDestinationAddress	ES 201 915-4 [4], clause 9.3	o	
C_CLI9	continueProcessing	ES 201 915-4 [4], clause 9.3	o	
C_CLI10	setChargePlan	ES 201 915-4 [4], clause 9.3	o	
C_CLI11	setAdviceOfCharge	ES 201 915-4 [4], clause 9.3	o	
C_CLI12	superviseReq	ES 201 915-4 [4], clause 9.3	o	
C_CLI13	deassign	ES 201 915-4 [4], clause 9.3	o	
C_CLI14	mediaStreamAllow	ES 201 915-4 [4], clause 9.3	o	
C_CLI15	mediaStreamMonitorReq	ES 201 915-4 [4], clause 9.3	o	
C_CLI16	getMediaStream	ES 201 915-4 [4], clause 9.3	o	

Table C.45: IpMultiMediaStream

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_S11	subtract	ES 201 915-4 [4], clause 9.3	o	

## C.6.5.2 Interfaces implemented for Conference Call Control Service

**Table C.46: Interfaces for Conference Call Control Service**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
C_AI1	IpAppConfCallControlManager	ES 201 915-4 [4], clause 9.3.2	m	
C_AI2	IpAppConfCall	ES 201 915-4 [4], clause 9.3.4	o	
C_AI3	IpAppSubConfCall	ES 201 915-4 [4], clause 9.3.6	o	
C_AI4	IpAppMultiMediaCallLeg	ES 201 915-4 [4], clause 8.3.6	o	

## C.6.5.3 Methods for Conference Call Control Service

**Table C.47: IpAppConfCallControlManager**

Prerequisite: C.46/ C\_AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
AC_CCM1	reportNotification	ES 201 915-4 [4], clause 7.3.2	c.32	
AC_CCM2	callAborted	ES 201 915-4 [4], clause 7.3.2	o	
AC_CCM3	managerInterrupted	ES 201 915-4 [4], clause 7.3.2	o	
AC_CCM4	managerResumed	ES 201 915-4 [4], clause 7.3.2	o	
AC_CCM5	callOverloadEncountered	ES 201 915-4 [4], clause 7.3.2	o	
AC_CCM6	callOverloadCeased	ES 201 915-4 [4], clause 7.3.2	o	
AC_CCM7	reportMediaNotification	ES 201 915-4 [4], clause 8.3.2	c.33	
AC_CCM8	conferenceCreated	ES 201 915-4 [4], clause 9.3.2	c.34	
c.32: m if C.41/C_CCMI2 supported, else N/A. c.33: m if C.41/C_CCMI7 supported, else N/A. c.34: m if C.41/C_CCMI13 supported, else N/A.				

**Table C.48: IpAppConfCall**

Prerequisite: C.46/C\_AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
AC_C1	getInfoRes	ES 201 915-4 [4], clause 7.3.4	c.35	
AC_C2	getInfoErr	ES 201 915-4 [4], clause 7.3.4	o	
AC_C3	superviseRes	ES 201 915-4 [4], clause 7.3.4	c.36	
AC_C4	superviseErr	ES 201 915-4 [4], clause 7.3.4	o	
AC_C5	callEnded	ES 201 915-4 [4], clause 7.3.4	o	
AC_C6	createAndRouteCallLegErr	ES 201 915-4 [4], clause 7.3.4	o	
AC_C7	superviseVolumeRes	ES 201 915-4 [4], clause 8.3.4	c.37	
AC_C8	superviseVolumeErr	ES 201 915-4 [4], clause 8.3.4	o	
AC_C9	partyJoined	ES 201 915-4 [4], clause 9.3.4	o	
AC_C10	leaveMonitorRes	ES 201 915-4 [4], clause 9.3.4	c.38	
c.35: m, if C.42/C_CI6 supported, else N/A. c.36: m, if C.42/C_CI9 supported, else N/A. c.37: m, if C.42/C_CI10 supported, else N/A. c.38: m, if C.42/C_CI13 supported, else N/A.				

Table C.49: IpAppSubConfCall

Prerequisite: C.46/C\_AI3

Item	Methods: Is the method implemented?	Reference	Status	Support
AC_SCC1	getInfoRes	ES 201 915-4 [4], clause 7.3.4	c.39	
AC_SCC2	getInfoErr	ES 201 915-4 [4], clause 7.3.4	o	
AC_SCC3	superviseRes	ES 201 915-4 [4], clause 7.3.4	c.40	
AC_SCC4	superviseErr	ES 201 915-4 [4], clause 7.3.4	o	
AC_SCC5	callEnded	ES 201 915-4 [4], clause 7.3.4	o	
AC_SCC6	createAndRouteCallLegErr	ES 201 915-4 [4], clause 7.3.4	o	
AC_SCC7	superviseVolumeRes	ES 201 915-4 [4], clause 8.3.4	c.41	
AC_SCC8	superviseVolumeErr	ES 201 915-4 [4], clause 8.3.4	o	
AC_SCC9	chairSelection	ES 201 915-4 [4], clause 9.3.6	o	
AC_SCC10	floorRequest	ES 201 915-4 [4], clause 9.3.6	o	
c.39: m, if C.43/C_SCCI6 supported, else N/A.				
c.40: m, if C.43/C_SCCI9 supported, else N/A.				
c.41: m, if C.43/C_SCCI10 supported, else N/A.				

Table C.50: IpAppMultiMediaCallLeg

Prerequisite: C.46/C\_AI4

Item	Methods: Is the method implemented?	Reference	Status	Support
AC_CL1	mediaStreamMonitorRes	<b>ES 201 915-4 [4], clause 8.3.6</b>	<b>o</b>	
AC_CL2	eventReportRes	ES 201 915-4 [4], clause 7.3.6	c.42	
AC_CL3	eventReportErr	ES 201 915-4 [4], clause 7.3.6	o	
AC_CL4	attachMediaRes	ES 201 915-4 [4], clause 7.3.6	c.43	
AC_CL5	attachMediaErr	ES 201 915-4 [4], clause 7.3.6	o	
AC_CL6	detachMediaRes	ES 201 915-4 [4], clause 7.3.6	c.44	
AC_CL7	detachMediaErr	ES 201 915-4 [4], clause 7.3.6	o	
AC_CL8	getInfoRes	ES 201 915-4 [4], clause 7.3.6	c.45	
AC_CL9	getInfoErr	ES 201 915-4 [4], clause 7.3.6	o	
AC_CL10	routeErr	ES 201 915-4 [4], clause 7.3.6	o	
AC_CL11	superviseRes	ES 201 915-4 [4], clause 7.3.6	c.46	
AC_CL12	superviseErr	ES 201 915-4 [4], clause 7.3.6	o	
AC_CL13	callLegEnded	ES 201 915-4 [4], clause 7.3.6	o	
AC_CL14	mediaStreamMonitorRes	ES 201 915-4 [4], clause 8.3.6	c.47	
c.42: m, if C.44/C_CLI2 supported, else o.				
c.43: m, if C.44/C_CLI6 supported, else N/A.				
c.44: m, if C.44/C_CLI7 supported, else N/A.				
c.45: m, if C.44/C_CLI4 supported, else N/A.				
c.46: m, if C.44/C_CLI12 supported, else N/A.				
c.47: m, if C.44/C_CLI15 supported, else N/A.				

---

## 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.
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---

### 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;
- 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 implemented

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 implemented

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.				

## D.6 Functionalities of Applications using User Interaction SCF

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

### D.6.1 SCF methods required by the Application

Table D.5: IpUIManager methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
UIMI1	createUI	ES 201 915-5 [5], clause 8.1	o.5	
UIMI2	createUICall	ES 201 915-5 [5], clause 8.1	o.5	
UIMI3	createNotification	ES 201 915-5 [5], clause 8.1	o.5	
UIMI4	destroyNotification	ES 201 915-5 [5], clause 8.1	o	
UIMI5	changeNotification	ES 201 915-5 [5], clause 8.1	o	
UIMI6	getNotification	ES 201 915-5 [5], clause 8.1	o	
o.5: It is mandatory to support at least one of these items.				

Table D.6: IpUI methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
UII1	sendInfoReq	ES 201 915-5 [5], clause 8.3	o	
UII2	sendInfoAndCollectReq	ES 201 915-5 [5], clause 8.3	o	
UII3	release	ES 201 915-5 [5], clause 8.3	o	

Table D.7: IpUICall methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
UIC11	sendInfoReq	ES 201 915-5 [5], clause 8.5	o	
UIC12	sendInfoAndCollectReq	ES 201 915-5 [5], clause 8.5	o	
UIC13	release	ES 201 915-5 [5], clause 8.5	o	
UIC14	recordMessageReq	ES 201 915-5 [5], clause 8.5	o	
UIC15	deleteMessageReq	ES 201 915-5 [5], clause 8.5	o	
UIC16	abortActionReq	ES 201 915-5 [5], clause 8.5	o	

## D.6.2 Interfaces implemented

Table D.8: Interfaces

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
A11	IpAppUIManager	ES 201 915-5 [5], clause 8.2	m	
A12	IpAppUI	ES 201 915-5 [5], clause 8.4	o.6	
A13	IpAppUICall	ES 201 915-5 [5], clause 8.6	o.6	
o.6: It is mandatory to support at least one of these items.				

## D.6.3 Methods implemented

Table D.9: IpAppUIManager methods

Prerequisite: D.8/ A11

Item	Methods: Is the method implemented?	Reference	Status	Support
AUIM1	userInteractionAborted	ES 201 915-5 [5], clause 8.2	o	
AUIM2	userInteractionNotificationInterrupted	ES 201 915-5 [5], clause 8.2	o	
AUIM3	userInteractionNotificationContinued	ES 201 915-5 [5], clause 8.2	o	
AUIM4	reportNotification (deprecated)	ES 201 915-5 [5], clause 8.2	o	
AUIM5	reportEventNotification	ES 201 915-5 [5], clause 8.2	c. 2	
c.2: m if D.5/UIMI3 supported, else N/A.				

Table D.10: IpAppUI methods

Prerequisite: D.8/ A12

Item	Methods: Is the method implemented?	Reference	Status	Support
AUI1	sendInfoRes	ES 201 915-5 [5], clause 8.4	c. 3	
AUI2	sendInfoErr	ES 201 915-5 [5], clause 8.4	o	
AUI3	sendInfoAndCollectRes	ES 201 915-5 [5], clause 8.4	c. 4	
AUI4	sendInfoAndCollectErr	ES 201 915-5 [5], clause 8.4	o	
AUI5	userInteractionFaultDetected	ES 201 915-5 [5], clause 8.4	o	
c.3: m if D.6/UII1 supported, else N/A.				
c.4: m if D.6/UII2 supported, else N/A.				

Table D.11: IpAppUICall methods

Prerequisite: D.8/ AI3

Item	Methods: Is the method implemented?	Reference	Status	Support
AUIC1	sendInfoRes	ES 201 915-5 [5], clause 8.4	c. 5	
AUIC2	sendInfoErr	ES 201 915-5 [5], clause 8.4	o	
AUIC3	sendInfoAndCollectRes	ES 201 915-5 [5], clause 8.4	c. 6	
AUIC4	sendInfoAndCollectErr	ES 201 915-5 [5], clause 8.4	o	
AUIC5	userInteractionFaultDetected	ES 201 915-5 [5], clause 8.4	o	
AUIC6	recordMessageRes	ES 201 915-5 [5], clause 8.6	c. 7	
AUIC7	recordMessageErr	ES 201 915-5 [5], clause 8.6	o	
AUIC8	deleteMessageRes	ES 201 915-5 [5], clause 8.6	c. 8	
AUIC9	deleteMessageErr	ES 201 915-5 [5], clause 8.6	o	
AUIC10	abortActionRes	ES 201 915-5 [5], clause 8.6	c.9	
AUIC11	abortActionErr	ES 201 915-5 [5], clause 8.6	o	
c.5:	m if D.7/UIC11 supported, else N/A.			
c.6:	m if D.7/UIC12 supported, else N/A.			
c.7:	m if D.7/UIC14 supported, else N/A.			
c.8:	m if D.7/UIC15 supported, else N/A.			
c.9:	m if D.7/UIC16 supported, else N/A.			

---

## 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.
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---

### 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;
- 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 implemented

**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 E.1/MC2 supported.				
c.2: m, if E.1/MC3 supported.				
c.3: m, if E.1/MC4 supported.				



## E.5.3 Methods implemented

**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 TUL3 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.2/I4

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

Item	Methods: Is the method implemented?	Reference	Status	Support
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.				

## E.6 Functionalities of Applications using Mobility SCF

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

### E.6.1 Major capabilities

**Table E.8: Major capabilities**

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
MCA1	User Location Service	ES 201 915-6 [6], clause 6	o.7	
MCA2	User Location Camel Service	ES 201 915-6 [6], clause 6	o.7	
MCA3	User Location Emergency Service	ES 201 915-6 [6], clause 6	o.7	
MCA4	User Status	ES 201 915-6 [6], clause 6	o.7	
o.7: At least one of these services shall be supported.				

### E.6.2 SCF methods required by the Application

**Table E.9: IpUserLocation methods**

Prerequisite: E.8/MCA1

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
ULI1	locationReportReq	ES 201 915-6 [6], clause 8.1.1	o.8	
ULI2	extendedLocationReportReq	ES 201 915-6 [6], clause 8.1.1	o.8	
ULI3	periodicLocationReportingStartReq	ES 201 915-6 [6], clause 8.1.1	o.8	
ULI4	periodicLocationReportingStop	ES 201 915-6 [6], clause 8.1.1	o	
o.8: At least one of these methods shall be supported.				

**Table E.10: IpTriggeredUserLocation methods**

Prerequisite: E.8/MCA1

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
TULI1	locationReportReq	ES 201 915-6 [6], clause 8.1.3	o.8	
TULI2	extendedLocationReportReq	ES 201 915-6 [6], clause 8.1.3	o.8	
TULI3	periodicLocationReportingStartReq	ES 201 915-6 [6], clause 8.1.3	o.8	
TULI4	periodicLocationReportingStop	ES 201 915-6 [6], clause 8.1.3	o	
TULI5	triggeredLocationReportingStartReq	ES 201 915-6 [6], clause 8.1.3	o.8	
TULI6	triggeredLocationReportingStop	ES 201 915-6 [6], clause 8.1.3	o	

**Table E.11: IpUserLocationCamel methods**

Prerequisite: E.8/MCA2

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
ULCI1	locationReportReq	ES 201 915-6 [6], clause 8.2.1	o.9	
ULCI2	periodicLocationReportingStartReq	ES 201 915-6 [6], clause 8.2.1	o.9	
ULCI3	periodicLocationReportingStop	ES 201 915-6 [6], clause 8.2.1	o	
ULCI4	triggeredLocationReportingStartReq	ES 201 915-6 [6], clause 8.2.1	o.9	
ULCI5	triggeredLocationReportingStop	ES 201 915-6 [6], clause 8.2.1	o	
o.9: At least one of these methods shall be supported.				

**Table E.12: IpUserLocationEmergency methods**

Prerequisite: E.8/MCA3

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
ULEI1	emergencyLocationReportReq	ES 201 915-6 [6], clause 8.3.1	o.10	
ULEI2	subscribeEmergencyLocationReports	ES 201 915-6 [6], clause 8.3.1	o.10	
ULEI3	unsubscribeEmergencyLocationReports	ES 201 915-6 [6], clause 8.3.1	o	
o.10: At least one of these methods shall be supported.				

**Table E.13: IpUserStatus methods**

Prerequisite: E.8/MCA4

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
USI1	statusReportReq	ES 201 915-6 [6], clause 8.4.2	o.11	
USI2	triggeredStatusReportingStartReq	ES 201 915-6 [6], clause 8.4.2	o.11	
USI3	triggeredStatusReportingStop	ES 201 915-6 [6], clause 8.4.2	o	
o.11: At least one of these methods shall be supported.				

## E.6.3 Interfaces implemented

**Table E. 14: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
A11	IpAppUserLocation	ES 201 915-5 [6], clause 8.1.2	o.12	
A12	IpAppTriggeredUserLocation	ES 201 915-5 [6], clause 8.1.4	c.10	
A13	IpUserLocationCamel	ES 201 915-5 [6], clause 8.2.2	c.11	
A14	IpAppUserLocationEmergency	ES 201 915-5 [6], clause 8.3.2	c.12	
A15	IpAppUserStatus	ES 201 915-5 [6], clause 8.4.1	c.13	
o.12: m, if E.8/MCA1 supported and A12 not supported, else o.				
c.10: m, if E.10/TULI5 supported, else o.				
c.11: m, if E.8/MCA2 supported, else N/A.				
c.12: m, if E.8/MCA3 supported, else N/A.				
c.13: m, if E.8/MCA4 supported, else N/A.				

## E.6.4 Methods implemented

**Table E.15: IpAppUserLocation methods**

Prerequisite: E.14/AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
AUL1	locationReportRes	ES 201 915-6 [6], clause 8.1.2	c.14	
AUL2	locationReportErr	ES 201 915-6 [6], clause 8.1.2	o	
AUL3	extendedLocationReportRes	ES 201 915-6 [6], clause 8.1.2	c.15	
AUL4	extendedLocationReportErr	ES 201 915-6 [6], clause 8.1.2	o	
AUL5	periodicLocationReport	ES 201 915-6 [6], clause 8.1.2	c.16	
AUL6	periodicLocationReportErr	ES 201 915-6 [6], clause 8.1.2	o	
c.14: m if E.9/ULI1 supported, else N/A.				
c.15: m if E.9/ULI2 supported, else N/A.				
c.16: m if E.9/ULI3 supported, else N/A.				

**Table E.16: IpAppTriggeredUserLocation methods**

Prerequisite: E.14/AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
ATUL1	locationReportRes	ES 201 915-6 [6], clause 8.1.2	c.17	
ATUL2	locationReportErr	ES 201 915-6 [6], clause 8.1.2	o	
ATUL3	extendedLocationReportRes	ES 201 915-6 [6], clause 8.1.2	c.18	
ATUL4	extendedLocationReportErr	ES 201 915-6 [6], clause 8.1.2	o	
ATUL5	periodicLocationReport	ES 201 915-6 [6], clause 8.1.2	c.19	
ATUL6	periodicLocationReportErr	ES 201 915-6 [6], clause 8.1.2	o	
ATUL7	triggeredLocationReport	ES 201 915-6 [6], clause 8.1.4	c.20	
ATUL8	triggeredLocationReportErr	ES 201 915-6 [6], clause 8.1.4	o	
c.17: m if E.10/TULI1 supported, else N/A.				
c.18: m if E.10/TULI2 supported, else N/A.				
c.19: m if E.10/TULI3 supported, else N/A.				
c.20: m if E.10/TULI5 supported, else N/A.				

**Table E.17: IpAppUserLocationCamel methods**

Prerequisite: E.14/AI3

Item	Methods: Is the method implemented?	Reference	Status	Support
AULC1	locationReportRes	ES 201 915-6 [6], clause 8.2.2	c.21	
AULC2	locationReportErr	ES 201 915-6 [6], clause 8.2.2	o	
AULC3	periodicLocationReport	ES 201 915-6 [6], clause 8.2.2	c.22	
AULC4	periodicLocationReportErr	ES 201 915-6 [6], clause 8.2.2	o	
AULC5	triggeredLocationReport	ES 201 915-6 [6], clause 8.2.2	c.23	
AULC6	triggeredLocationReportErr	ES 201 915-6 [6], clause 8.2.2	o	
c.21: m if E.11/ULCI1 supported, else N/A.				
c.22: m if E.11/ULCI2 supported, else N/A.				
c.23: m if E.11/ULCI4 supported, else N/A.				

**Table E.18: IpAppUserLocationEmergency methods**

Prerequisite: E.14/AI4

Item	Methods: Is the method implemented?	Reference	Status	Support
AULE1	emergencyLocationReport	ES 201 915-6 [6], clause 8.3.2	c.24	
AULE2	emergencyLocationReportErr	ES 201 915-6 [6], clause 8.3.2	o	
c.24: m if E.12/ULEI1 or E.12/ULEI2supported, else N/A.				

**Table E.19: IpAppUserStatus methods**

Prerequisite: E.14/AI5

Item	Methods: Is the method implemented?	Reference	Status	Support
AUS1	statusReportRes	ES 201 915-6 [6], clause 8.4.1	c.25	
AUS2	statusReportErr	ES 201 915-6 [6], clause 8.4.1	o	
AUS3	triggeredStatusReport	ES 201 915-6 [6], clause 8.4.1	c.26	
AUS4	triggeredStatusReportErr	ES 201 915-6 [6], clause 8.4.1	o	
c.25: m if E.13/USI1 supported, else N/A.				
c.26: m if E.13/USI2 supported, else N/A.				

---

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

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### 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;
- 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 implemented

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 implemented

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	



---

## F.6 Functionalities of Applications using Terminal Capabilities SCF

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

### F.6.1 SCF methods required by the Application

**Table F.3: IpTerminalCapabilities methods**

<b>Item</b>	<b>Methods: Is the application capable of invoking the following methods?</b>	<b>Reference</b>	<b>Status</b>	<b>Support</b>
TCI1	getTerminalCapabilities	ES 201 915-7 [7], clause 8.1	o	

---

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

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### 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;
- 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 ES 201 915-8 [8] 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 implemented

**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 implemented

**Table G.2: IpDataSessionControlManager 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 (deprecated)	ES 201 915-8 [8], clause 8.4	o	
DM5	getNotifications	ES 201 915-8 [8], clause 8.4	o	
DM6	setCallback	ES 201 915-8 [8], clause 8.4	m	

**Table G.3: IpDataSession methods**

Prerequisite: G.1/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
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	

## G.6 Functionalities of Applications using Data Session Control SCF

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

### G.6.1 SCF methods required by the Application

**Table G.4: IpDataSessionControlManager methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
DMI1	createNotification	ES 201 915-8 [8], clause 8.4	m	
DMI2	destroyNotification	ES 201 915-8 [8], clause 8.4	o	
DMI3	changeNotification	ES 201 915-8 [8], clause 8.4	o	
DMI4	getNotification (deprecated)	ES 201 915-8 [8], clause 8.4	o	
DMI5	getNotifications	ES 201 915-8 [8], clause 8.4	o	

**Table G.5: IpDataSession methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
DSI1	connectReq	ES 201 915-8 [8], clause 8.3	o	
DSI2	release	ES 201 915-8 [8], clause 8.3	o	
DSI3	superviseDataSessionReq	ES 201 915-8 [8], clause 8.3	o	
DSI4	setDataSessionChargePlan	ES 201 915-8 [8], clause 8.3	o	
DSI5	setAdviceOfCharge	ES 201 915-8 [8], clause 8.3	o	
DSI6	deassignDataSession	ES 201 915-8 [8], clause 8.3	o	
DSI7	continueProcessing	ES 201 915-8 [8], clause 8.3	o	

### G.6.2 Interfaces implemented

**Table G.6: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
A11	IpAppDataSessionControlManager	ES 201 915-8 [8], clause 8.2	m	
A12	IpAppDataSession	ES 201 915-8 [8], clause 8.1	o	

## G.6.3 Methods implemented

**Table G.7: IpAppDataSessionControlManager methods**

Prerequisite: G.6/AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
ADM1	dataSessionAborted	ES 201 915-8 [8], clause 8.2	o	
ADM2	reportNotification	ES 201 915-8 [8], clause 8.2	m	
ADM3	dataSessionNotificationContinued	ES 201 915-8 [8], clause 8.2	o	
ADM4	dataSessionNotificationInterrupted	ES 201 915-8 [8], clause 8.2	o	

**Table G.8: IpAppDataSession methods**

Prerequisite: G.6/AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
ADS1	connectRes	ES 201 915-8 [8], clause 8.1	c.1	
ADS2	connecter	ES 201 915-8 [8], clause 8.1	o	
ADS3	superviseDataSessionRes	ES 201 915-8 [8], clause 8.1	c.2	
ADS4	superviseDataSessionErr	ES 201 915-8 [8], clause 8.1	o	
ADS5	dataSessionFaultDetected	ES 201 915-8 [8], clause 8.1	o	
c.1:	m if G.3/DSI1 supported, else N/A.			
c.2:	m if G.3/DSI3 supported, else N/A.			

---

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

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### 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;
- 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 implemented

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 implemented

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.				

## H.6 Functionalities of Applications using Generic Messaging Control SCF

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

### H.6.1 SCF methods required by the Application

**Table H.6: IpMessagingManager methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MMI1	openMailbox	ES 201 915-9 [9], clause 8.1	o.5	
MMI2	enableMessagingNotification	ES 201 915-9 [9], clause 8.1	o.5	
MMI3	disableMessagingNotification	ES 201 915-9 [9], clause 8.1	o	
o.5: It is mandatory to support at least one of these items.				

**Table H.7: IpMailbox methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MBI1	close	ES 201 915-9 [9], clause 8.3	o	
MBI2	lock	ES 201 915-9 [9], clause 8.3	o	
MBI3	unlock	ES 201 915-9 [9], clause 8.3	o	
MBI4	getInfoAmount	ES 201 915-9 [9], clause 8.3	o	
MBI5	getInfoProperties	ES 201 915-9 [9], clause 8.3	o	
MBI6	setInfoProperties	ES 201 915-9 [9], clause 8.3	o	
MBI7	openFolder	ES 201 915-9 [9], clause 8.3	o	
MBI8	createFolder	ES 201 915-9 [9], clause 8.3	o	
MBI9	remove	ES 201 915-9 [9], clause 8.3	o	

**Table H.8: IpMailboxFolder methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MF11	getInfoAmount	ES 201 915-9 [9], clause 8.4	o	
MF12	getInfoProperties	ES 201 915-9 [9], clause 8.4	o	
MF13	setInfoProperties	ES 201 915-9 [9], clause 8.4	o	
MF14	putMessage	ES 201 915-9 [9], clause 8.4	o	
MF15	getMessage	ES 201 915-9 [9], clause 8.4	o	
MF16	close	ES 201 915-9 [9], clause 8.4	o	
MF17	remove	ES 201 915-9 [9], clause 8.4	o	

**Table H.9: IpMessage methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MSGI1	getInfoAmount	ES 201 915-9 [9], clause 8.5	o	
MSGI2	getInfoProperties	ES 201 915-9 [9], clause 8.5	o	
MSGI3	remove	ES 201 915-9 [9], clause 8.5	o	

## H.6.2 Interfaces implemented

**Table H. 10: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
AI1	IpAppMessagingManager	ES 201 915-9 [9], clause 8.2	c.2	
c.2:	m if H.6/MMI2 supported, else o.			

## H.6.3 Methods implemented

**Table H. 11: IpAppMessagingManager methods**

Prerequisite: H.10/AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
AMM1	mailboxTerminated	ES 201 915-9 [9], clause 8.2	o	
AMM2	mailboxFaultDetected	ES 201 915-9 [9], clause 8.2	o	
AMM3	messagingEventNotify	ES 201 915-9 [9], clause 8.2	c.3	
AMM4	messagingNotificationTerminated	ES 201 915-9 [9], clause 8.2	o	
c.3:	m if H.6/MMI2 supported, else N/A.			

---

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

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### 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;
- 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.

---

### I.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.

### I.2.1 Date of the statement

.....

### I.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

### I.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

### I.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 implemented

Table I.1: Interfaces

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpConnectivityManager	ES 201 915-10 [10], clause 8.1	m	
I2	IpQoSMenu	ES 201 915-10 [10], clause 8.4	m	
I3	IpQoSTemplate	ES 201 915-10 [10], clause 8.5	m	
I4	IpEnterpriseNetwork	ES 201 915-10 [10], clause 8.2	m	
I5	IpVPrN	ES 201 915-10 [10], clause 8.6	m	
I6	IpVPrP	ES 201 915-10 [10], clause 8.7	m	
I7	IpEnterpriseNetworkSite	ES 201 915-10 [10], clause 8.3	m	

### I.5.2 Methods implemented

Table I.2: IpConnectivityManager methods

Prerequisite: I.1/I1

Item	Methods: Is the method implemented?	Reference	Status	Support
CM1	getQoSMenu	ES 201 915-10 [10], clause 8.1	o.1	
CM2	getEnterpriseNetwork	ES 201 915-10 [10], clause 8.1	o.1	
CM3	setCallback	ES 201 915-10 [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 201 915-10 [10], clause 8.4	o.2	
QM2	getTemplateList	ES 201 915-10 [10], clause 8.4	o.2	
QM3	setCallback	ES 201 915-10 [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 201 915-10 [10], clause 8.5	o.3	
QT2	getDescription	ES 201 915-10 [10], clause 8.5	o.3	
QT3	getSlalD	ES 201 915-10 [10], clause 8.5	o.3	
QT4	getPipeQoSInfo	ES 201 915-10 [10], clause 8.5	o.3	
QT5	setPipeQoSInfo	ES 201 915-10 [10], clause 8.5	o.3	
QT6	getValidityInfo	ES 201 915-10 [10], clause 8.5	o.3	
QT7	setValidityInfo	ES 201 915-10 [10], clause 8.5	o.3	
QT8	setProvisionedQoSInfo	ES 201 915-10 [10], clause 8.5	o.3	
QT9	getProvisionedQoSInfo	ES 201 915-10 [10], clause 8.5	o.3	
QT10	getDsCodePoint	ES 201 915-10 [10], clause 8.5	o.3	
QT11	setCallback	ES 201 915-10 [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 201 915-10 [10], clause 8.2	o.4	
EN2	getIVPrN	ES 201 915-10 [10], clause 8.2	o.4	
EN3	getSite	ES 201 915-10 [10], clause 8.2	o.4	
EN4	setCallback	ES 201 915-10 [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 201 915-10 [10], clause 8.6	o.5	
VPN2	getVPrP	ES 201 915-10 [10], clause 8.6	o.5	
VPN3	createVPrP	ES 201 915-10 [10], clause 8.6	o.5	
VPN4	deleteVPrP	ES 201 915-10 [10], clause 8.6	o.5	
VPN5	setCallback	ES 201 915-10 [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.1/16

Item	Methods: Is the method implemented?	Reference	Status	Support
VPP1	getVPrPID	ES 201 915-10 [10], clause 8.7	o.6	
VPP2	getSlalD	ES 201 915-10 [10], clause 8.7	o.6	
VPP3	getStatus	ES 201 915-10 [10], clause 8.7	o.6	
VPP4	getProvisionedQoSInfo	ES 201 915-10 [10], clause 8.7	o.6	
VPP5	getValidityInfo	ES 201 915-10 [10], clause 8.7	o.6	
VPP6	getPipeQoSInfo	ES 201 915-10 [10], clause 8.7	o.6	
VPP7	getDsCodePoint	ES 201 915-10 [10], clause 8.7	o.6	
VPP8	setCallback	ES 201 915-10 [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.1/17

Item	Methods: Is the method implemented?	Reference	Status	Support
ENS1	getSAPList	ES 201 915-10 [10], clause 8.3	o.7	
ENS2	getSiteID	ES 201 915-10 [10], clause 8.3	o.7	
ENS3	getSiteLocation	ES 201 915-10 [10], clause 8.3	o.7	
ENS4	getSiteDescription	ES 201 915-10 [10], clause 8.3	o.7	
ENS5	getIPSubnet	ES 201 915-10 [10], clause 8.3	o.7	
ENS6	getSAPIPSubnet	ES 201 915-10 [10], clause 8.3	o.7	
ENS7	setCallback	ES 201 915-10 [10], clause 8.3	m	
o.7: It is mandatory to support at least one of these items.				

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## 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.
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### 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;
- 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 implemented

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 implemented

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 AM1 supported, else N/A.			

## J.6 Functionalities of Applications using Account Management SCF

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

### J.6.1 SCF methods required by the Application

**Table J.3: IpAccountManager methods**

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
AMI1	createNotification	ES 201 915-11 [11], clause 8.1	o.2	
AMI2	destroyNotification	ES 201 915-11 [11], clause 8.1	o	
AMI3	queryBalanceReq	ES 201 915-11 [11], clause 8.1	o.2	
AMI4	changeNotification	ES 201 915-11 [11], clause 8.1	o	
AMI5	getNotification	ES 201 915-11 [11], clause 8.1	o	
AMI6	retrieveTransactionHistoryReq	ES 201 915-11 [11], clause 8.1	o.2	
o.2: It is mandatory to support at least one of these items.				

### J.6.2 Interfaces implemented

**Table J.4: Interfaces**

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
AI1	IpAppAccountManager	ES 201 915-11 [11], clause 8.2	m	

### J.6.3 Methods implemented

**Table J.5: IpAppAccountManager methods**

Prerequisite: J.4/AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
AAM1	reportNotification	ES 201 915-11 [11], clause 8.2	c.2	
AAM2	queryBalanceRes	ES 201 915-11 [11], clause 8.2	c.3	
AAM3	queryBalanceErr	ES 201 915-11 [11], clause 8.2	o	
AAM4	retrieveTransactionHistoryRes	ES 201 915-11 [11], clause 8.2	c.4	
AAM5	retrieveTransactionHistoryErr	ES 201 915-11 [11], clause 8.2	o	
c.2: m if J.3/AMI1 supported, else N/A.				
c.3: m if J.3/AMI3 supported, else N/A.				
c.4: m if J.3/AMI6 supported, else N/A.				

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## 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.
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---

### 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;
- 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 implemented

**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 implemented

**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 K.1/MC1 supported, else N/A. c.3: at least one of these shall be supported , if K.1/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.				

## K.6 Functionalities of Applications using Charging SCF

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

### K.6.1 Major capabilities

Table K.5: Major capabilities

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
MCA1	Charging with reservations	ES 201 915-12 [12], clause 5.1	o.2	
MCA2	Direct charging	ES 201 915-12 [12], clause 5.2	o.2	
o.2: At least one of these services shall be supported.				

### K.6.2 SCF methods required by the Application

Table K.6: IpChargingManager methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
CMI1	createChargingSession	ES 201 915-12 [12], clause 8.1	m	

Table K.7: IpChargingSession methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
CSI1	creditAmountReq	ES 201 915-12 [12], clause 8.3	o	
CSI2	creditUnitReq	ES 201 915-12 [12], clause 8.3	o	
CSI3	debitAmountReq	ES 201 915-12 [12], clause 8.3	o	
CSI4	debitUnitReq	ES 201 915-12 [12], clause 8.3	o	
CSI5	directCreditAmountReq	ES 201 915-12 [12], clause 8.3	o	
CSI6	directCreditUnitReq	ES 201 915-12 [12], clause 8.3	o	
CSI7	directDebitAmountReq	ES 201 915-12 [12], clause 8.3	o	
CSI8	directDebitUnitReq	ES 201 915-12 [12], clause 8.3	o	
CSI9	extendLifeTimeReq	ES 201 915-12 [12], clause 8.3	o	
CSI10	getAmountLeft	ES 201 915-12 [12], clause 8.3	o	
CSI11	getLifeTimeLeft	ES 201 915-12 [12], clause 8.3	o	
CSI12	getUnitLeft	ES 201 915-12 [12], clause 8.3	o	
CSI13	rateReq	ES 201 915-12 [12], clause 8.3	o	
CSI14	release	ES 201 915-12 [12], clause 8.3	o	
CSI15	reserveAmountReq	ES 201 915-12 [12], clause 8.3	o	
CSI16	reserveUnitReq	ES 201 915-12 [12], clause 8.3	o	

### K.6.3 Interfaces implemented

Table K.8: Interfaces

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
AI1	IpAppChargingManager	ES 201 915-12 [12], clause 8.2	o	
AI2	IpAppChargingSession	ES 201 915-12 [12], clause 8.4	m	

### K.6.4 Methods implemented

Table K.9: IpAppChargingManager methods

Prerequisite: K.8/ AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
ACM1	sessionAborted	ES 201 915-12 [12], clause 8.2	m	

Table K.10: IpAppChargingSession methods

Prerequisite: K.8/AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
ACS1	creditAmountErr	ES 201 915-12 [12], clause 8.4	o	
ACS2	creditAmountRes	ES 201 915-12 [12], clause 8.4	c. 8	
ACS3	creditUnitErr	ES 201 915-12 [12], clause 8.4	o	
ACS4	creditUnitRes	ES 201 915-12 [12], clause 8.4	c. 9	
ACS5	debitAmountErr	ES 201 915-12 [12], clause 8.4	o	
ACS6	debitAmountRes	ES 201 915-12 [12], clause 8.4	c. 10	
ACS7	debitUnitErr	ES 201 915-12 [12], clause 8.4	o	
ACS8	debitUnitRes	ES 201 915-12 [12], clause 8.4	c. 11	
ACS9	directCreditAmountErr	ES 201 915-12 [12], clause 8.4	o	
ACS10	directCreditAmountRes	ES 201 915-12 [12], clause 8.4	c. 12	
ACS11	directCreditUnitErr	ES 201 915-12 [12], clause 8.4	o	
ACS12	directCreditUnitRes	ES 201 915-12 [12], clause 8.4	c. 13	
ACS13	directDebitAmountErr	ES 201 915-12 [12], clause 8.4	o	
ACS14	directDebitAmountRes	ES 201 915-12 [12], clause 8.4	c. 14	
ACS15	directDebitUnitErr	ES 201 915-12 [12], clause 8.4	o	
ACS16	directDebitUnitRes	ES 201 915-12 [12], clause 8.4	c. 15	
ACS17	extendLifeTimeErr	ES 201 915-12 [12], clause 8.4	o	
ACS18	extendLifeTimeRes	ES 201 915-12 [12], clause 8.4	c. 16	
ACS19	rateErr	ES 201 915-12 [12], clause 8.4	o	
ACS20	rateRes	ES 201 915-12 [12], clause 8.4	c. 17	
ACS21	reserveAmountErr	ES 201 915-12 [12], clause 8.4	o	
ACS22	reserveAmountRes	ES 201 915-12 [12], clause 8.4	c. 18	
ACS23	reserveUnitErr	ES 201 915-12 [12], clause 8.4	o	
ACS24	reserveUnitRes	ES 201 915-12 [12], clause 8.4	c. 19	
ACS25	sessionEnded	ES 201 915-12 [12], clause 8.4	o	
c.8:	m if K.7/CSI1 supported, else N/A.			
c.9:	m if K.7/CSI2 supported, else N/A.			
c.10:	m if K.7/CSI3 supported, else N/A.			
c.11:	m if K.7/CSI4 supported, else N/A.			
c.12:	m if K.7/CSI5 supported, else N/A.			
c.13:	m if K.7/CSI6 supported, else N/A.			
c.14:	m if K.7/CSI7 supported, else N/A.			
c.15:	m if K.7/CSI8 supported, else N/A.			
c.16:	m if K.7/CSI9 supported, else N/A.			
c.17:	m if K.7/CSI13 supported, else N/A.			
c.18:	m if K.7/CSI15 supported, else N/A.			
c.19:	m if K.7/CSI16 supported, else N/A.			

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## History

<b>Document history</b>		
V1.1.1	April 2003	Publication
V1.2.1	October 2004	Membership Approval Procedure    MV 20041224: 2004-10-26 to 2004-12-24
V1.2.1	January 2005	Publication