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ETSI Standard

**Open Service Access (OSA);
Application Programming Interface (API);
Implementation Conformance Statement (ICS)
proforma specification;
(Parlay 4)**



Reference

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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 202 915 [1] to [18] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [20] and ETS 300 406 [21].

The supplier of an implementation which is claimed to conform to a part of ES 202 915 [1] to [18] 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 202 915-1: "Open Service Access (OSA); Application Programming Interface (API); Part 1: Overview (Parlay 4)".
- [2] ETSI ES 202 915-2: "Open Service Access (OSA); Application Programming Interface (API); Part 2: Common Data Definitions (Parlay 4)".
- [3] ETSI ES 202 915-3: "Open Service Access (OSA); Application Programming Interface (API); Part 3: Framework (Parlay 4)".
- [4] ETSI ES 202 915-4-1: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 1: Call Control Common Definitions (Parlay 4)".
- [5] ETSI ES 202 915-4-2: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 2: Generic Call Control SCF (Parlay 4)".
- [6] ETSI ES 202 915-4-3: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 3: Multi-Party Call Control SCF (Parlay 4)".
- [7] ETSI ES 202 915-4-4: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 4: Multi-Media Call Control SCF (Parlay 4)".
- [8] ETSI ES 202 915-4-5: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 5: Conference Call Control SCF (Parlay 4)".
- [9] ETSI ES 202 915-5: "Open Service Access (OSA); Application Programming Interface (API); Part 5: User Interaction SCF (Parlay 4)".
- [10] ETSI ES 202 915-6: "Open Service Access (OSA); Application Programming Interface (API); Part 6: Mobility SCF (Parlay 4)".
- [11] ETSI ES 202 915-7: "Open Service Access (OSA); Application Programming Interface (API); Part 7: Terminal Capabilities SCF (Parlay 4)".
- [12] ETSI ES 202 915-8: "Open Service Access (OSA); Application Programming Interface (API); Part 8: Data Session Control SCF (Parlay 4)".

- [13] ETSI ES 202 915-9: "Open Service Access (OSA); Application Programming Interface (API); Part 9: Generic Messaging SCF".
- [14] ETSI ES 202 915-10: "Open Service Access (OSA); Application Programming Interface (API); Part 10: Connectivity Manager SCF (Parlay 4)".
- [15] ETSI ES 202 915-11: "Open Service Access (OSA); Application Programming Interface (API); Part 11: Account Management SCF (Parlay 4)".
- [16] ETSI ES 202 915-12: "Open Service Access (OSA); Application Programming Interface (API); Part 12: Charging SCF (Parlay 4)".
- [17] ETSI ES 202 915-13: "Open Service Access (OSA); Application Programming Interface (API); Part 13: Policy management SCF".
- [18] ETSI ES 202 915-14: "Open Service Access (OSA); Application Programming Interface (API); Part 14: Presence and Availability Management SCF".
- [19] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [20] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
- [21] 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 202 915 [1] to [18], ISO/IEC 9646-1 [19] and ISO/IEC 9646-7 [20] and the following apply:

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

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

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

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

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

3.2 Abbreviations

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

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

4 Conformance

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

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

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 202 915 [1] to [18] 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 [20].

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 [20], 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 a unique conditional status expression which is defined immediately following the table.

Reference column

The reference column makes reference to parts of ES 202 915 [1] to [18], 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 [20], 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 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 202 915 [1] to [18]: "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 202 915 specification. Non-supported mandatory capabilities are to be identified in the ICS, with an explanation of why the implementation is non-conforming, on pages attached to the ICS proforma.

A.5 General

A.5.1 Functionalities

Table A.1: Functionalities

Item	Major role: Does the implementation support the functionalities described in:	Reference	Status	Support
F1	Framework	ES 202 915-3 [3]	m	
F2	Call Control SCFs	ES 202 915-4-1 [4] to ES 202 915-4-5 [8]	o	
F3	User Interaction SCF	ES 202 915-5 [9]	o	
F4	Mobility SCF	ES 202 915-6 [10]	o	
F5	Terminal Capabilities SCF	ES 202 915-7 [11]	o	
F6	Data Session Control SCF	ES 202 915-8 [12]	o	
F7	Generic Messaging SCF	ES 202 915-9 [13]	o	
F8	Connectivity Manager SCF	ES 202 915-10 [14]	o	
F9	Account Management SCF	ES 202 915-11 [15]	o	
F10	Charging SCF	ES 202 915-12 [16]	o	
F11	Policy Management SCF	ES 202 915-13 [17]	o	
F12	Presence And Availability Management SCF	ES 202 915-14 [18]	o	

NOTE: that an SCF implementation shall support at least some of the interfaces described in the Framework document ES 202 915-3 [3] and that therefore annex B shall always be completed.

Annex B (normative): ICS proforma for ES 202 915-3 framework functionalities

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

B.1 Guidance for completing the ICS proforma

B.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ES 202 915-3 [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.

B.1.3 Instructions for completing the ICS proforma

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

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 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 6	m	
API2	Framework-to-Application API?	ES 202 915-3 [3], clause 7	m	
API3	Framework-to-Enterprise Operator API?	ES 202 915-3 [3], clause 8	o	
API4	Framework-to-Service API?	ES 202 915-3 [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 202 915-3 [3], clause 6.3.1.3	m	
FW_AS_I2	IpAccess	ES 202 915-3 [3], clause 6.3.1.6	m	
FW_AS_I3	IpAPILevelAuthentication	ES 202 915-3 [3], clause 6.3.1.5	o.1	
FW_AS_I4	IpAuthentication	ES 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 6.3.1.3	m	
IN2	initiateAuthenticationWithVersion	ES 202 915-3 [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 202 915-3 [3], clause 6.3.1.6	m	
A2	obtainInterfaceWithCallBack	ES 202 915-3 [3], clause 6.3.1.6	m	
A3	endAccess (deprecated)	ES 202 915-3 [3], clause 6.3.1.6	o	
A4	listInterfaces	ES 202 915-3 [3], clause 6.3.1.6	o	
A5	releaseInterface (deprecated)	ES 202 915-3 [3], clause 6.3.1.6	o	
A6	selectSigningAlgorithm	ES 202 915-3 [3], clause 6.3.1.6	m	
A7	terminateAccess	ES 202 915-3 [3], clause 6.3.1.6	m	
A8	relinquishInterface	ES 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 6.3.1.5	m	
AAut2	authenticate (deprecated)	ES 202 915-3 [3], clause 6.3.1.5	m	
AAut3	abortAuthentication	ES 202 915-3 [3], clause 6.3.1.5	m	
AAut4	authenticationSucceeded	ES 202 915-3 [3], clause 6.3.1.5	m	
AAut5	requestAccess	ES 202 915-3 [3], clause 6.3.1.5	m	
AAut6	selectAuthenticationMechanism	ES 202 915-3 [3], clause 6.3.1.5	m	
AAut7	challenge	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 7.3.1.1	m	
FA_I2	IpServiceAgreementManagement	ES 202 915-3 [3], clause 7.3.2.2	m	
FA_I3	IpFaultManager	ES 202 915-3 [3], clause 7.3.3.2	o	
FA_I4	IpHeartBeatMgmt	ES 202 915-3 [3], clause 7.3.3.5	o	
FA_I5	IpHeartBeat	ES 202 915-3 [3], clause 7.3.3.6	o	
FA_I6	IpLoadManager	ES 202 915-3 [3], clause 7.3.3.8	o	
FA_I7	IpOAM	ES 202 915-3 [3], clause 7.3.3.9	o	
FA_I8	IpEventNotification	ES 202 915-3 [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 202 915-3 [3], clause 7.3.1.1	m	
SD2	describeServiceType	ES 202 915-3 [3], clause 7.3.1.1	m	
SD3	discoverService	ES 202 915-3 [3], clause 7.3.1.1	m	
SD4	listSubscribedServices	ES 202 915-3 [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 202 915-3 [3], clause 7.3.2.2	m	
SA2	terminateServiceAgreement	ES 202 915-3 [3], clause 7.3.2.2	m	
SA3	selectService	ES 202 915-3 [3], clause 7.3.2.2	m	
SA4	initiatesignServiceAgreement	ES 202 915-3 [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 202 915-3 [3], clause 7.3.3.2	o.2	
FM2	appActivityTestRes	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM3	svcUnavailabledInd	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM4	genFaultStatsRecordReq (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM5	appUnavailableInd (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM6	appActivityTestErr	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM7	genFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM8	genFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM9	appAvailStatusInd	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM10	generateFaultStatisticsRecordReq	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM11	generateFaultStatisticsRecordRes	ES 202 915-3 [3], clause 7.3.3.2	o.2	
FM12	generateFaultStatisticsRecordErr	ES 202 915-3 [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 202 915-3 [3], clause 7.3.3.5	m	
HM2	disableHeartBeat	ES 202 915-3 [3], clause 7.3.3.5	m	
HM3	changeInterval	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 7.3.3.8	o.3	
LM2	queryLoadReq (deprecated)	ES 202 915-3 [3], clause 7.3.3.8	o.3	
LM3	queryAppLoadRes (deprecated)	ES 202 915-3 [3], clause 7.3.3.8	o.3	
LM4	queryAppLoadErr (deprecated)	ES 202 915-3 [3], clause 7.3.3.8	o.3	
LM5	createLoadLevelNotification	ES 202 915-3 [3], clause 7.3.3.8	o.3	
LM6	destroyLoadLevelNotification	ES 202 915-3 [3], clause 7.3.3.8	c.1	
LM7	resumeNotification	ES 202 915-3 [3], clause 7.3.3.8	c.3	
LM8	suspendNotification	ES 202 915-3 [3], clause 7.3.3.8	c.2	
LM9	queryLoadStatsReq	ES 202 915-3 [3], clause 7.3.3.8	o.3	
LM10	queryAppLoadStatsRes	ES 202 915-3 [3], clause 7.3.3.8	o.3	
LM11	queryAppLoadStatsErr	ES 202 915-3 [3], clause 7.3.3.8	o.3	
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 202 915-3 [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 202 915-3 [3], clause 7.3.4.2	m	
EN2	destroyNotification	ES 202 915-3 [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 202 915-3 [3], clause 8	m	
FE_I2	IpEntOpAccountManagement	ES 202 915-3 [3], clause 8	m	
FE_I3	IpServiceContractInfoQuery	ES 202 915-3 [3], clause 8	m	
FE_I4	IpServiceContractManagement	ES 202 915-3 [3], clause 8	m	
FE_I5	IpServiceProfileInfoQuery	ES 202 915-3 [3], clause 8	m	
FE_I6	IpServiceProfileManagement	ES 202 915-3 [3], clause 8	m	
FE_I7	IpClientAppManagement	ES 202 915-3 [3], clause 8	m	
FE_I8	IpClientAppInfoQuery	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 8.3.1.7	m	
OAM2	deleteEntOpAccount	ES 202 915-3 [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 202 915-3 [3], clause 8.3.1.6	m	
SCQ2	listServiceContracts	ES 202 915-3 [3], clause 8.3.1.6	m	
SCQ3	listServiceProfiles	ES 202 915-3 [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 202 915-3 [3], clause 8.3.1.5	m	
SCM2	modifyServiceContract	ES 202 915-3 [3], clause 8.3.1.5	m	
SCM3	deleteServiceContract	ES 202 915-3 [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 202 915-3 [3], clause 8.3.1.4	m	
SPQ2	describeProfile	ES 202 915-3 [3], clause 8.3.1.4	m	
SPQ3	listAssignedMembers	ES 202 915-3 [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 202 915-3 [3], clause 8.3.1.3	m	
SPM2	modifyServiceProfile	ES 202 915-3 [3], clause 8.3.1.3	m	
SPM3	deleteServiceProfile	ES 202 915-3 [3], clause 8.3.1.3	m	
SPM4	assign	ES 202 915-3 [3], clause 8.3.1.3	m	
SPM5	deassign	ES 202 915-3 [3], clause 8.3.1.3	m	
SPM6	requestConflictInfo	ES 202 915-3 [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 202 915-3 [3], clause 8.3.1.1	m	
SCA2	modifyClientApp	ES 202 915-3 [3], clause 8.3.1.1	m	
SCA3	deleteClientApp	ES 202 915-3 [3], clause 8.3.1.1	m	
SCA4	createSAG	ES 202 915-3 [3], clause 8.3.1.1	m	
SCA5	modifySAG	ES 202 915-3 [3], clause 8.3.1.1	m	
SCA6	deleteSAG	ES 202 915-3 [3], clause 8.3.1.1	m	
SCA7	addSAGMembers	ES 202 915-3 [3], clause 8.3.1.1	m	
SCA8	removeSAGMembers	ES 202 915-3 [3], clause 8.3.1.1	m	
SCA9	requestConflictInfo	ES 202 915-3 [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 202 915-3 [3], clause 8.3.1.2	m	
CAI2	listClientApps	ES 202 915-3 [3], clause 8.3.1.2	m	
CAI3	describeSAG	ES 202 915-3 [3], clause 8.3.1.2	m	
CAI4	listSAGs	ES 202 915-3 [3], clause 8.3.1.2	m	
CAI5	listSAGMembers	ES 202 915-3 [3], clause 8.3.1.2	m	
CAI6	listClientAppMembership	ES 202 915-3 [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 202 915-3 [3], clause 9.3.1.1	m	
FW_FS_I2	IpFWServiceDiscovery	ES 202 915-3 [3], clause 9.3.3.1	m	
FW_FS_I3	IpFwFaultManager	ES 202 915-3 [3], clause 9.3.4.1	o	
FW_FS_I4	IpFwHeartBeatMgmt	ES 202 915-3 [3], clause 9.3.4.3	o	
FW_FS_I5	IpFwHeartBeat	ES 202 915-3 [3], clause 9.3.4.4	o	
FW_FS_I6	IpFwLoadManager	ES 202 915-3 [3], clause 9.3.4.7	o	
FW_FS_I7	IpFwOAM	ES 202 915-3 [3], clause 9.3.4.9	o	
FW_FS_I8	IpFwEventNotification	ES 202 915-3 [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 202 915-3 [3], clause 9.3.1.1	m	
SR2	announceServiceAvailability	ES 202 915-3 [3], clause 9.3.1.1	m	
SR3	unregisterService	ES 202 915-3 [3], clause 9.3.1.1	m	
SR4	describeService	ES 202 915-3 [3], clause 9.3.1.1	o	
SR5	unannounceService	ES 202 915-3 [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 202 915-3 [3], clause 9.3.3.1	m	
FSD2	describeServiceType	ES 202 915-3 [3], clause 9.3.3.1	m	
FSD3	discoverService	ES 202 915-3 [3], clause 9.3.3.1	m	
FSD4	listRegisteredServices	ES 202 915-3 [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 202 915-3 [3], clause 9.3.4.1	o.4	
FFM2	svcActivityTestRes	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM3	appUnavailabledInd	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM4	genFaultStatsRecordReq (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM5	svcUnavailableInd (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM6	svcActivityTestErr	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM7	genFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM8	genFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM9	generateFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM10	generateFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM11	svcAvailStatusInd	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM12	generateFaultStatisticsRecordReq	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM13	generateFaultStatisticsRecordRes	ES 202 915-3 [3], clause 9.3.4.1	o.4	
FFM14	generateFaultStatisticsRecordErr	ES 202 915-3 [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 202 915-3 [3], clause 9.3.4.3	m	
FHM2	disableHeartBeat	ES 202 915-3 [3], clause 9.3.4.3	m	
FHM3	changeInterval	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 9.3.4.7	o.5	
FLM2	queryLoadReq (deprecated)	ES 202 915-3 [3], clause 9.3.4.7	o.5	
FLM3	querySvcLoadRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.7	o.5	
FLM4	querySvcLoadErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.7	o.5	
FLM5	createLoadLevelNotification	ES 202 915-3 [3], clause 9.3.4.7	o.5	
FLM6	destroyLoadLevelNotification	ES 202 915-3 [3], clause 9.3.4.7	c.4	
FLM7	suspendNotification	ES 202 915-3 [3], clause 9.3.4.7	c.5	
FLM8	resumeNotification	ES 202 915-3 [3], clause 9.3.4.7	c.7	
FLM9	queryLoadStatsReq	ES 202 915-3 [3], clause 9.3.4.7	o.5	
FLM10	querySvcLoadStatsRes	ES 202 915-3 [3], clause 9.3.4.7	o.5	
FLM11	querySvcLoadStatsErr	ES 202 915-3 [3], clause 9.3.4.7	o.5	
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 202 915-3 [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 202 915-3 [3], clause 9.3.5.1	m	
FEN2	destroyNotification	ES 202 915-3 [3], clause 9.3.5.1	m	

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 202 915-3 [3], clause 6	m	
API_A2	Framework-to-Application API?	ES 202 915-3 [3], clause 7	m	

B.6.2 Access Session API

B.6.2.1 Framework Methods required by the Application

Table B.35: Iplnitial Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
INI_A1	initiateAuthentication (deprecated)	ES 202 915-3 [3], clause 6.3.1.3	o.6	
INI_A2	initiateAuthenticationWithVersion	ES 202 915-3 [3], clause 6.3.1.3	o.6	

o.6: It is mandatory to support at least one of these items.

Table B.36: IpAccess Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
Al_A1	obtainInterface	ES 202 915-3 [3], clause 6.3.1.6	o	
Al_A2	obtainInterfaceWithCallBack	ES 202 915-3 [3], clause 6.3.1.6	m	
Al_A3	endAccess(deprecated)	ES 202 915-3 [3], clause 6.3.1.6	o	
Al_A4	listInterfaces	ES 202 915-3 [3], clause 6.3.1.6	o	
Al_A5	releaseInterface (deprecated)	ES 202 915-3 [3], clause 6.3.1.6	o	
Al_A6	selectSigningAlgorithm	ES 202 915-3 [3], clause 6.3.1.6	m	
Al_A7	terminateAccess	ES 202 915-3 [3], clause 6.3.1.6	o	
Al_A8	relinquishInterface	ES 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 6.3.1.5	c.7	
Aautl_A2	authenticate (deprecated)	ES 202 915-3 [3], clause 6.3.1.5	o	
Aautl_A3	abortAuthentication	ES 202 915-3 [3], clause 6.3.1.5	o	
Aautl_A4	authenticationSucceeded	ES 202 915-3 [3], clause 6.3.1.5	o	
Aautl_A5	requestAccess	ES 202 915-3 [3], clause 6.3.1.5	c.8	
Aautl_A6	selectAuthenticationMechanism	ES 202 915-3 [3], clause 6.3.1.5	c.9	
Aautl_A7	challenge	ES 202 915-3 [3], clause 6.3.1.5	o	
c.7: m, if API Level authentication implemented AND B.35/INI_A1 supported, else N/A.				
c.8: m, if API Level authentication implemented, else N/A.				
c.9: m, if API Level authentication implemented AND B.35/INI_A2 supported, 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 202 915-3 [3], clause 6.3.1.4	c.10	
c.10: 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 202 915-3 [3], clause 6.3.1.2	m	
APP_AS_I2	IpClientAPILevelAuthentication	ES 202 915-3 [3], clause 6.3.1.1	c.11	
c.11: 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 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 6.3.1.1	m	
APP_CAA2	abortAuthentication	ES 202 915-3 [3], clause 6.3.1.1	m	
APP_CAA3	authenticationSucceeded	ES 202 915-3 [3], clause 6.3.1.1	m	
APP_CAA4	challenge	ES 202 915-3 [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 202 915-3 [3], clause 7.3.1.1	o	
SDI2	describeServiceType	ES 202 915-3 [3], clause 7.3.1.1	o	
SDI3	discoverService	ES 202 915-3 [3], clause 7.3.1.1	o	
SDI4	listSubscribedServices	ES 202 915-3 [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 202 915-3 [3], clause 7.3.2.2	m	
SAI2	terminateServiceAgreement	ES 202 915-3 [3], clause 7.3.2.2	m	
SAI3	selectService	ES 202 915-3 [3], clause 7.3.2.2	m	
SAI4	initiatesignServiceAgreement	ES 202 915-3 [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 202 915-3 [3], clause 7.3.3.2	o	
FMI2	appActivityTestRes	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI3	svcUnavailabledInd	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI4	genFaultStatsRecordReq (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI5	appUnavailableInd (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI6	appActivityTestErr	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI7	genFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI8	genFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI9	appAvailStatusInd	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI10	generateFaultStatisticsRecordReq	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI11	generateFaultStatisticsRecordRes	ES 202 915-3 [3], clause 7.3.3.2	o	
FMI12	generateFaultStatisticsRecordErr	ES 202 915-3 [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 202 915-3 [3], clause 7.3.3.5	o	
HMI2	disableHeartBeat	ES 202 915-3 [3], clause 7.3.3.5	o	
HMI3	changeInterval	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 7.3.3.8	o	
LMI2	queryLoadReq (deprecated)	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI3	queryAppLoadRes (deprecated)	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI4	queryAppLoadErr (deprecated)	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI5	createLoadLevelNotification	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI6	destroyLoadLevelNotification	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI7	resumeNotification	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI8	suspendNotification	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI9	queryLoadStatsReq	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI10	queryAppLoadStatsRes	ES 202 915-3 [3], clause 7.3.3.8	o	
LMI11	queryAppLoadStatsErr	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 7.3.4.2	o	
ENI2	destroyNotification	ES 202 915-3 [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 202 915-3 [3], clause 7.3.2.1	m	
APP_FA_I2	IpAppFaultManager	ES 202 915-3 [3], clause 7.3.3.1	o	
APP_FA_I3	IpAppHeartBeatMgmt	ES 202 915-3 [3], clause 7.3.3.3	o	
APP_FA_I4	IpAppHeartBeat	ES 202 915-3 [3], clause 7.3.3.4	o	
APP_FA_I5	IpAppLoadManager	ES 202 915-3 [3], clause 7.3.3.7	o	
APP_FA_I6	IpAppOAM	ES 202 915-3 [3], clause 7.3.3.10	o	
APP_FA_I7	IpAppEventNotification	ES 202 915-3 [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 202 915-3 [3], clause 7.3.2.1	m	
ASA2	terminateServiceAgreement	ES 202 915-3 [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 202 915-3 [3], clause 7.3.3.1	c.12	
AFM2	appActivityTestReq	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM3	fwFaultReportInd	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM4	fwFaultRecoveryInd	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM5	svcUnavailabledInd (deprecated)	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM6	genFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 7.3.3.1	c.13	
AFM7	fwUnavailableInd	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM8	activityTestErr	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM9	genFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM10	appUnavailableInd	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM11	genFaultStatsRecordReq (deprecated)	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM12	svcAvailStatusInd	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM13	generateFaultStatisticsRecordRes	ES 202 915-3 [3], clause 7.3.3.1	c.14	
AFM14	generateFaultStatisticsRecordErr	ES 202 915-3 [3], clause 7.3.3.1	o.7	
AFM15	generateFaultStatisticsRecordReq	ES 202 915-3 [3], clause 7.3.3.1	o.7	
o.7: It is mandatory to support at least one of these items. c.12: m if B.44/FMI1, else o.7. c.13: m if B.44/FMI4, else o.7. c.14: m if B.44/FMI10, else o.7.				

Table B.53: IpAppHeartBeatMgmt Methods

Prerequisite: B.50/APP_FA_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
AHM1	enableAppHeartBeat	ES 202 915-3 [3], clause 7.3.3.3	m	
AHM2	disableAppHeartBeat	ES 202 915-3 [3], clause 7.3.3.3	m	
AHM3	changeInterval	ES 202 915-3 [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 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 7.3.3.7	o.8	
ALM2	queryLoadRes (deprecated)	ES 202 915-3 [3], clause 7.3.3.7	c.15	
ALM3	queryLoadErr (deprecated)	ES 202 915-3 [3], clause 7.3.3.7	o.8	
ALM4	loadLevelNotification	ES 202 915-3 [3], clause 7.3.3.7	c.16	
ALM5	resumeNotification	ES 202 915-3 [3], clause 7.3.3.7	o.8	
ALM6	suspendNotification	ES 202 915-3 [3], clause 7.3.3.7	o.8	
ALM7	createLoadLevelNotification	ES 202 915-3 [3], clause 7.3.3.7	o.8	
ALM8	destroyLoadLevelNotification	ES 202 915-3 [3], clause 7.3.3.7	o.8	
ALM9	queryAppLoadStatsReq	ES 202 915-3 [3], clause 7.3.3.7	o.8	
ALM10	queryLoadStatsRes	ES 202 915-3 [3], clause 7.3.3.7	c.17	
ALM11	queryLoadStatsErr	ES 202 915-3 [3], clause 7.3.3.7	o.8	
o.8: It is mandatory to support at least one of these items. c.15: m if B.47/LMI2, else o.8. c.16: m if B.47/LMI5, else o.8. c.17: m if B.47/LMI9, else o.8.				

Table B.56: IpAppOAM Methods

Prerequisite: B.50/APP_FA_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
AOA1	systemDateTimeQuery	ES 202 915-3 [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 202 915-3 [3], clause 7.3.4.1	m	
AEN2	notificationTerminated	ES 202 915-3 [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 supported

Table B.58: APIs

Item	API: Does the implementation support:	Reference	Status	Support
API_S1	Access Session API?	ES 202 915-3 [3], clause 6	m	
API_S2	Framework-to-Service API?	ES 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 6.3.1.3	o.9	
INI_S2	initiateAuthenticationWithVersion	ES 202 915-3 [3], clause 6.3.1.3	o.9	

o.9: It is mandatory to support at least one of these items.

Table B.60: IpAccess Methods

Item	Methods: Is the SCS capable of invoking the following methods?	Reference	Status	Support
AI_S1	obtainInterface	ES 202 915-3 [3], clause 6.3.1.6	o	
AI_S2	obtainInterfaceWithCallBack	ES 202 915-3 [3], clause 6.3.1.6	m	
AI_S3	endAccess (deprecated)	ES 202 915-3 [3], clause 6.3.1.6	o	
AI_S4	listInterfaces	ES 202 915-3 [3], clause 6.3.1.6	o	
AI_S5	releaseInterface (deprecated)	ES 202 915-3 [3], clause 6.3.1.6	o	
AI_S6	selectSigningAlgorithm	ES 202 915-3 [3], clause 6.3.1.6	m	
AI_S7	terminateAccess	ES 202 915-3 [3], clause 6.3.1.6	o	
AI_S8	relinquishInterface	ES 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 6.3.1.5	c.18	
Aautl_S2	authenticate (deprecated)	ES 202 915-3 [3], clause 6.3.1.5	o	
Aautl_S3	abortAuthentication	ES 202 915-3 [3], clause 6.3.1.5	o	
Aautl_S4	authenticationSucceeded	ES 202 915-3 [3], clause 6.3.1.5	o	
Aautl_S5	requestAccess	ES 202 915-3 [3], clause 6.3.1.5	c.19	
Aautl_S6	selectAuthenticationMechanism	ES 202 915-3 [3], clause 6.3.1.5	c.20	
Aautl_S7	challenge	ES 202 915-3 [3], clause 6.3.1.5	o	

c.18: m, if API Level authentication implemented AND B.59/INI_S1 supported, else N/A.
c.19: m, if API Level authentication implemented, else N/A.
c.20: m, if API Level authentication implemented AND B.59/INI_S2 supported, 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 202 915-3 [3], clause 6.3.1.4	c.21	
c.21: 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 202 915-3 [3], clause 6.3.1.2	m	
SCS_AS_I2	IpClientAPILevelAuthentication	ES 202 915-3 [3], clause 6.3.1.1	c.22	
c.22: 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 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 6.3.1.1	m	
SCS_CAA2	abortAuthentication	ES 202 915-3 [3], clause 6.3.1.1	m	
SCS_CAA3	authenticationSucceeded	ES 202 915-3 [3], clause 6.3.1.1	m	
SCS_CAA4	challenge	ES 202 915-3 [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 202 915-3 [3], clause 9.3.1.1	m	
SRI2	announceServiceAvailability	ES 202 915-3 [3], clause 9.3.1.1	m	
SRI3	unregisterService	ES 202 915-3 [3], clause 9.3.1.1	m	
SRI4	describeService	ES 202 915-3 [3], clause 9.3.1.1	o	
SRI5	unannounceService	ES 202 915-3 [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 202 915-3 [3], clause 9.3.3.1	o	
FSDI2	describeServiceType	ES 202 915-3 [3], clause 9.3.3.1	o	
FSDI3	discoverService	ES 202 915-3 [3], clause 9.3.3.1	o	
FSDI4	listRegisteredServices	ES 202 915-3 [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 202 915-3 [3], clause 9.3.4.1	o	
FFMI2	svcActivityTestRes	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI3	appUnavailabledInd	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI4	genFaultStatsRecordReq (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI5	svcUnavailableInd (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI6	svcActivityTestErr	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI7	genFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI8	genFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI9	generateFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI10	generateFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI11	svcAvailStatusInd	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI12	generateFaultStatisticsRecordReq	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI13	generateFaultStatisticsRecordRes	ES 202 915-3 [3], clause 9.3.4.1	o	
FFMI14	generateFaultStatisticsRecordErr	ES 202 915-3 [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 202 915-3 [3], clause 9.3.4.3	o	
FHMI2	disableHeartBeat	ES 202 915-3 [3], clause 9.3.4.3	o	
FHMI3	changeInterval	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 9.3.4.7	o	
FLMI2	queryLoadReq (deprecated)	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI3	querySvcLoadRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI4	querySvcLoadErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI5	createLoadLevelNotification	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI6	destroyLoadLevelNotification	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI7	suspendNotification	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI8	resumeNotification	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI9	queryLoadStatsReq	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI10	querySvcLoadStatsRes	ES 202 915-3 [3], clause 9.3.4.7	o	
FLMI11	querySvcLoadStatsErr	ES 202 915-3 [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 202 915-3 [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 202 915-3 [3], clause 9.3.5.1	o	
FENI2	destroyNotification	ES 202 915-3 [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 202 915-3 [3], clause 9.3.2.1	m	
SCS_FS_I2	IpSvcFaultManager	ES 202 915-3 [3], clause 9.3.4.2	o	
SCS_FS_I3	IpSvcHeartBeatMgmt	ES 202 915-3 [3], clause 9.3.4.5	o	
SCS_FS_I4	IpSvcHeartBeat	ES 202 915-3 [3], clause 9.3.4.6	o	
SCS_FS_I5	IpSvcLoadManager	ES 202 915-3 [3], clause 9.3.4.8	o	
SCS_FS_I6	IpSvcOAM	ES 202 915-3 [3], clause 9.3.4.10	o	
SCS_FS_I7	IpSvcEventNotification	ES 202 915-3 [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 202 915-3 [3], clause 9.3.2.1	m	
SIM2	destroyServiceManager	ES 202 915-3 [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 202 915-3 [3], clause 9.3.4.2	c.23	
SFM2	svcActivityTestReq	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM3	fwFaultReportInd	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM4	fwFaultRecoveryInd	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM5	fwUnavailableInd	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM6	svcUnavailableInd	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM7	appUnavailableInd (deprecated)	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM8	genFaultStatsRecordRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.2	c.24	
SFM9	activityTestErr	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM10	genFaultStatsRecordErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM11	genFaultStatsRecordReq (deprecated)	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM12	generateFaultStatsRecordReq (deprecated)	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM13	appAvailStatusInd	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM14	generateFaultStatisticsRecordRes	ES 202 915-3 [3], clause 9.3.4.2	c.25	
SFM15	generateFaultStatisticsRecordErr	ES 202 915-3 [3], clause 9.3.4.2	o.10	
SFM16	generateFaultStatisticsRecordReq	ES 202 915-3 [3], clause 9.3.4.2	o.10	
o.10: It is mandatory to support at least one of these items. c.23: m if B.68/FFMI1, else o.10. c.24: m if B.68/FFMI4, else o.10. c.25: m if B.68/FFMI12, else o.10.				

Table B.77: IpSvcHeartBeatMgmt Methods

Prerequisite: B.74/SCS_FS_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
SHM1	enableSvcHeartBeat	ES 202 915-3 [3], clause 9.3.4.5	m	
SHM2	disableSvcHeartBeat	ES 202 915-3 [3], clause 9.3.4.5	m	
SHM3	changeInterval	ES 202 915-3 [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 202 915-3 [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 (deprecated)	ES 202 915-3 [3], clause 9.3.4.8	o.11	
SLM2	queryLoadRes (deprecated)	ES 202 915-3 [3], clause 9.3.4.8	c.26	
SLM3	queryLoadErr (deprecated)	ES 202 915-3 [3], clause 9.3.4.8	o.11	
SLM4	loadLevelNotification	ES 202 915-3 [3], clause 9.3.4.8	c.27	
SLM5	suspendNotification	ES 202 915-3 [3], clause 9.3.4.8	o.11	
SLM6	resumeNotification	ES 202 915-3 [3], clause 9.3.4.8	o.11	
SLM7	createLoadLevelNotification	ES 202 915-3 [3], clause 9.3.4.8	o.11	
SLM8	destroyLoadLevelNotification	ES 202 915-3 [3], clause 9.3.4.8	o.11	
SLM9	querySvcLoadStatsReq	ES 202 915-3 [3], clause 9.3.4.8	o.11	
SLM10	queryLoadStatsRes	ES 202 915-3 [3], clause 9.3.4.8	c.28	
SLM11	queryLoadStatsErr	ES 202 915-3 [3], clause 9.3.4.8	o.11	
o.11: It is mandatory to support at least one of these items. c.26: m if B.71/FLMI2, else o.11. c.27: m if B.71/FLMI5, else o.11. c.28: m if B.71/FLMI9, else o.11.				

Table B.80: IpSvcOAM Methods

Prerequisite: B.74/SCS_FS_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
SO1	systemDateTimeQuery	ES 202 915-3 [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 202 915-3 [3], clause 9.3.5.2	m	
SEN2	notificationTerminated	ES 202 915-3 [3], clause 9.3.5.2	m	

Annex C (normative): ICS proforma for ES 202 915-4 series Call Control SCFs

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 202 915-4-1 [4] to ES 202 915-4-5 [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.

C.1.2 Abbreviations and conventions

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

C.1.3 Instructions for completing the ICS proforma

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

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 standards:

- ETSI ES 202 915-4-1 [4]: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 1: Call Control Common Definitions; (Parlay 4)".
- ETSI ES 202 915-4-2 [5]: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 2: Generic Call Control SCF; (Parlay 4)".
- ETSI ES 202 915-4-3 [6]: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 3: Multi-Party Call Control SCF; (Parlay 4)".
- ETSI ES 202 915-4-4 [7]: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 4: Multi-Media Call Control SCF; (Parlay 4)".
- ETSI ES 202 915-4-5 [8]: "Open Service Access (OSA); Application Programming Interface (API); Part 4: Call Control; Sub-part 5: Conference Call Control SCF; (Parlay 4)".

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 202 915-4-1 [4] to ES 202 915-4-5 [8] specifications. 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 202 915-4-2 [5]	o.1	
MC2	MultiParty Call Control Service	ES 202 915-4-3 [6]	o.1	
MC3	MultiMedia Call Control Service	ES 202 915-4-4 [7]	o.1	
MC4	Conference Call Control Service	ES 202 915-4-5 [8]	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_I1	IpCallControlManager	ES 202 915-4-2 [5], clause 6.1	m	
G_I2	IpCall	ES 202 915-4-2 [5], clause 6.3	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 202 915-4-2 [5], clause 6.1	o.2	
G_CCM2	enableCallNotification	ES 202 915-4-2 [5], clause 6.1	o.2	
G_CCM3	disableCallNotification	ES 202 915-4-2 [5], clause 6.1	c.1	
G_CCM4	setCallLoadControl	ES 202 915-4-2 [5], clause 6.1	o	
G_CCM5	changeCallNotification	ES 202 915-4-2 [5], clause 6.1	o	
G_CCM6	getCriteria	ES 202 915-4-2 [5], clause 6.1	o	
G_CCM7	setCallback	ES 202 915-4-2 [5], clause 6.1	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 202 915-4-2 [5], clause 6.3	m	
G_C2	release	ES 202 915-4-2 [5], clause 6.3	m	
G_C3	deassignCall	ES 202 915-4-2 [5], clause 6.3	m	
G_C4	getCallInfoReq	ES 202 915-4-2 [5], clause 6.3	o	
G_C5	setCallChargePlan	ES 202 915-4-2 [5], clause 6.3	o	
G_C6	setAdviceOfCharge	ES 202 915-4-2 [5], clause 6.3	o	
G_C7	getMoreDialledDigitsReq	ES 202 915-4-2 [5], clause 6.3	o	
G_C8	superviseCallReq	ES 202 915-4-2 [5], clause 6.3	o	
G_C9	continueProcessing	ES 202 915-4-2 [5], clause 6.3	o	
G_C10	setCallbackWithSessionID	ES 202 915-4-2 [5], clause 6.3	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	IpMultiPartyCallControlManager	ES 202 915-4-3 [6], clause 6.1	m	
MP_I2	IpMultiPartyCall	ES 202 915-4-3 [6], clause 6.3	m	
MP_I3	IpCallLeg	ES 202 915-4-3 [6], clause 6.5	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 202 915-4-3 [6], clause 6.1	o.3	
MP_CCM2	createNotification	ES 202 915-4-3 [6], clause 6.1	o.3	
MP_CCM3	destroyNotification	ES 202 915-4-3 [6], clause 6.1	c.2	
MP_CCM4	changeNotification	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM5	getNotification (deprecated)	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM6	enableNotifications	ES 202 915-4-3 [6], clause 6.1	o.3	
MP_CCM7	disableNotifications	ES 202 915-4-3 [6], clause 6.1	c.3	
MP_CCM8	getNextNotification	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM9	setCallLoadControl	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM10	setCallback	ES 202 915-4-3 [6], clause 6.1	m	
o.3: It is mandatory to support at least one of these items.				
c.2: m, if MP_CCM2 supported, else N/A.				
c.3: m, if MP_CCM6 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 202 915-4-3 [6], clause 6.3	o	
MP_C2	createCallLeg	ES 202 915-4-3 [6], clause 6.3	o.4	
MP_C3	createAndRouteCallLegReq	ES 202 915-4-3 [6], clause 6.3	o.4	
MP_C4	release	ES 202 915-4-3 [6], clause 6.3	m	
MP_C5	deassignCall	ES 202 915-4-3 [6], clause 6.3	m	
MP_C6	getInfoReq	ES 202 915-4-3 [6], clause 6.3	o	
MP_C7	setChargePlan	ES 202 915-4-3 [6], clause 6.3	o	
MP_C8	setAdviceOfCharge	ES 202 915-4-3 [6], clause 6.3	o	
MP_C9	superviseReq	ES 202 915-4-3 [6], clause 6.3	o	
MP_C10	setCallbackWithSessionID	ES 202 915-4-3 [6], clause 6.3	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 202 915-4-3 [6], clause 6.5	m	
MP_CL2	eventReportReq	ES 202 915-4-3 [6], clause 6.5	m	
MP_CL3	release	ES 202 915-4-3 [6], clause 6.5	m	
MP_CL4	getInfoReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL5	getCall	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL6	attachMediaReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL7	detachMediaReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL8	getCurrentDestinationAddress	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL9	continueProcessing	ES 202 915-4-3 [6], clause 6.5	m	
MP_CL10	setChargePlan	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL11	setAdviceOfCharge	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL12	superviseReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CL13	deassign	ES 202 915-4-3 [6], clause 6.5	m	
MP_CL14	setCallbackWithSessionID	ES 202 915-4-3 [6], clause 6.5	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 202 915-4-4 [7], clause 6.1	m	
MM_I2	IpMultiMediaCall	ES 202 915-4-4 [7], clause 6.3	m	
MM_I3	IpMultiMediaCallLeg	ES 202 915-4-4 [7], clause 6.5	m	
MM_I4	IpMultiMediaStream	ES 202 915-4-4 [7], clause 6.7	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 202 915-4-4 [7], clause 6.1	o.5	
MM_CCM2	createNotification	ES 202 915-4-4 [7], clause 6.1	o.5	
MM_CCM3	destroyNotification	ES 202 915-4-4 [7], clause 6.1	c.4	
MM_CCM4	changeNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCM5	getNotification (deprecated)	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCM6	enableNotifications	ES 202 915-4-4 [7], clause 6.1	o.5	
MM_CCM7	disableNotifications	ES 202 915-4-4 [7], clause 6.1	c.5	
MM_CCM8	getNextNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCM9	setCallLoadControl	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCM10	createMediaNotification	ES 202 915-4-4 [7], clause 6.1	m	
MM_CCM11	destroyMediaNotification	ES 202 915-4-4 [7], clause 6.1	m	
MM_CCM12	changeMediaNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCM13	getMediaNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCM14	setCallback	ES 202 915-4-4 [7], clause 6.1	m	
o.5: It is mandatory to support at least one of these items.				
c.4: m, if MM_CCM2 supported, else N/A.				
c.5: m, if MM_CCM6 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 202 915-4-4 [7], clause 6.3	o	
MM_C2	createCallLeg	ES 202 915-4-4 [7], clause 6.3	o.6	
MM_C3	createAndRouteCallLegReq	ES 202 915-4-4 [7], clause 6.3	o.6	
MM_C4	release	ES 202 915-4-4 [7], clause 6.3	m	
MM_C5	deassignCall	ES 202 915-4-4 [7], clause 6.3	m	
MM_C6	getInfoReq	ES 202 915-4-4 [7], clause 6.3	o	
MM_C7	setChargePlan	ES 202 915-4-4 [7], clause 6.3	o	
MM_C8	setAdviceOfCharge	ES 202 915-4-4 [7], clause 6.3	o	
MM_C9	superviseReq	ES 202 915-4-4 [7], clause 6.3	o	
MM_C10	superviseVolumeReq	ES 202 915-4-4 [7], clause 6.3	o	
MM_C11	setCallbackWithSessionID	ES 202 915-4-4 [7], clause 6.3	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 202 915-4-4 [7], clause 6.5	m	
MM_CL2	eventReportReq	ES 202 915-4-4 [7], clause 6.5	m	
MM_CL3	release	ES 202 915-4-4 [7], clause 6.5	m	
MM_CL4	getInfoReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL5	getCall	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL6	attachMediaReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL7	detachMediaReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL8	getCurrentDestinationAddress	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL9	continueProcessing	ES 202 915-4-4 [7], clause 6.5	m	
MM_CL10	setChargePlan	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL11	setAdviceOfCharge	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL12	superviseReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL13	deassign	ES 202 915-4-4 [7], clause 6.5	m	
MM_CL14	mediaStreamAllow	ES 202 915-4-4 [7], clause 6.5	m	
MM_CL15	mediaStreamMonitorReq	ES 202 915-4-4 [7], clause 6.5	m	
MM_CL16	getMediaStream	ES 202 915-4-4 [7], clause 6.5	o	
MM_CL17	setCallbackWithSessionID	ES 202 915-4-4 [7], clause 6.5	m	

Table C.13: IpMultiMediaStream

Prerequisite: C.9/MM_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
MM_S1	subtract	ES 202 915-4-4 [7], clause 6.7	m	
MM_S2	setCallbackWithSessionID	ES 202 915-4-4 [7], clause 6.7	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 202 915-4-5 [8], clause 6.1	m	
C_I2	IpConfCall	ES 202 915-4-5 [8], clause 6.3	m	
C_I3	IpSubConfCall	ES 202 915-4-5 [8], clause 6.5	m	
C_I4	IpMultiMediaCallLeg	ES 202 915-4-5 [8], clause 5	m	
C_I5	IpMultiMediaStream	ES 202 915-4-5 [8], clause 6	o	

C.5.5.2 Methods for Conference Call Control Service

Table C.15: IpConfCallControlManager

Prerequisite: C.14/C_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
C_CCM1	createCall	ES 202 915-4-5 [8], clause 6.1	o.7	
C_CCM2	createNotification	ES 202 915-4-5 [8], clause 6.1	o.7	
C_CCM3	destroyNotification	ES 202 915-4-5 [8], clause 6.1	c.7	
C_CCM4	changeNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM5	getNotification (deprecated)	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM6	setCallLoadControl	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM7	createMediaNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM8	destroyMediaNotification	ES 202 915-4-5 [8], clause 6.1	c.6	
C_CCM9	changeMediaNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM10	getMediaNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM11	createConference	ES 202 915-4-5 [8], clause 6.1	o.8	
C_CCM12	checkResources	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM13	reserveResources	ES 202 915-4-5 [8], clause 6.1	o.8	
C_CCM14	freeResources	ES 202 915-4-5 [8], clause 6.1	c.8	
C_CCM15	enableNotifications	ES 202 915-4-5 [8], clause 6.1	o.7	
C_CCM16	disableNotifications	ES 202 915-4-5 [8], clause 6.1	c.9	
C_CCM17	getNextNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCM18	setCallback	ES 202 915-4-5 [8], clause 6.1	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.6: m, if C_CCM7 supported, else N/A. c.7: m, if C_CCM2 supported, else N/A. c.8: m, if C_CCM13 supported, else N/A. c.9: m, if C_CCM15 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 202 915-4-5 [8], clause 6.3	o	
C_C2	createCallLeg	ES 202 915-4-5 [8], clause 6.3	o.9	
C_C3	createAndRouteCallLegReq	ES 202 915-4-5 [8], clause 6.3	o.9	
C_C4	release	ES 202 915-4-5 [8], clause 6.3	m	
C_C5	deassignCall	ES 202 915-4-5 [8], clause 6.3	m	
C_C6	getInfoReq	ES 202 915-4-5 [8], clause 6.3	o	
C_C7	setChargePlan	ES 202 915-4-5 [8], clause 6.3	o	
C_C8	setAdviceOfCharge	ES 202 915-4-5 [8], clause 6.3	o	
C_C9	superviseReq	ES 202 915-4-5 [8], clause 6.3	o	
C_C10	superviseVolumeReq	ES 202 915-4-5 [8], clause 6.3	o	
C_C11	getSubConferences	ES 202 915-4-5 [8], clause 6.3	m	
C_C12	createSubConference	ES 202 915-4-5 [8], clause 6.3	m	
C_C13	leaveMonitorReq	ES 202 915-4-5 [8], clause 6.3	o	
C_C14	setCallbackWithSessionID	ES 202 915-4-5 [8], clause 6.3	m	
C_C15	getConferenceAddress	ES 202 915-4-5 [8], clause 6.3	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 202 915-4-5 [8], clause 6.5	o	
C_SCC2	createCallLeg	ES 202 915-4-5 [8], clause 6.5	o.10	
C_SCC3	createAndRouteCallLegReq	ES 202 915-4-5 [8], clause 6.5	o.10	
C_SCC4	release	ES 202 915-4-5 [8], clause 6.5	m	
C_SCC5	deassignCall	ES 202 915-4-5 [8], clause 6.5	m	
C_SCC6	getInfoReq	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC7	setChargePlan	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC8	setAdviceOfCharge	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC9	superviseReq	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC10	superviseVolumeReq	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC11	splitSubConference	ES 202 915-4-5 [8], clause 6.5	o.11	
C_SCC12	mergeSubConference	ES 202 915-4-5 [8], clause 6.5	c.10	
C_SCC13	moveCallLeg	ES 202 915-4-5 [8], clause 6.5	o.11	
C_SCC14	inspectVideo	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC15	inspectVideoCancel	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC16	appointSpeaker	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC17	chairSelection	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC18	changeConferencePolicy	ES 202 915-4-5 [8], clause 6.5	o	
C_SCC19	setCallbackWithSessionID	ES 202 915-4-5 [8], clause 6.5	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.10: 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 202 915-4-5 [8], clause 5	m	
C_CL2	eventReportReq	ES 202 915-4-5 [8], clause 5	m	
C_CL3	release	ES 202 915-4-5 [8], clause 5	m	
C_CL4	getInfoReq	ES 202 915-4-5 [8], clause 5	o	
C_CL5	getCall	ES 202 915-4-5 [8], clause 5	o	
C_CL6	attachMediaReq	ES 202 915-4-5 [8], clause 5	o	
C_CL7	detachMediaReq	ES 202 915-4-5 [8], clause 5	o	
C_CL8	getCurrentDestinationAddress	ES 202 915-4-5 [8], clause 5	o	
C_CL9	continueProcessing	ES 202 915-4-5 [8], clause 5	m	
C_CL10	setChargePlan	ES 202 915-4-5 [8], clause 5	o	
C_CL11	setAdviceOfCharge	ES 202 915-4-5 [8], clause 5	o	
C_CL12	superviseReq	ES 202 915-4-5 [8], clause 5	o	
C_CL13	deassign	ES 202 915-4-5 [8], clause 5	m	
C_CL14	mediaStreamAllow	ES 202 915-4-5 [8], clause 5	o	
C_CL15	mediaStreamMonitorReq	ES 202 915-4-5 [8], clause 5	o	
C_CL16	getMediaStream	ES 202 915-4-5 [8], clause 5	o	
C_CL17	setCallbackWithSessionID	ES 202 915-4-5 [8], clause 5	m	

Table C.19: IpMultiMediaStream

Prerequisite: C.14/C_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
C_S1	subtract	ES 202 915-4-5 [8], clause 6	m	
C_S2	setCallbackWithSessionID	ES 202 915-4-5 [8], clause 6	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 202 915-4-2 [5]	o.12	
AMC2	MultiParty Call Control Service	ES 202 915-4-3 [6]	o.12	
AMC3	MultiMedia Call Control Service	ES 202 915-4-4 [7]	o.12	
AMC4	Conference Call Control Service	ES 202 915-4-5 [8]	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 202 915-4-2 [5], clause 6.1	o.13	
G_CCMI2	enableCallNotification	ES 202 915-4-2 [5], clause 6.1	o.13	
G_CCMI3	disableCallNotification	ES 202 915-4-2 [5], clause 6.1	o	
G_CCMI4	setCallLoadControl	ES 202 915-4-2 [5], clause 6.1	o	
G_CCMI5	changeCallNotification	ES 202 915-4-2 [5], clause 6.1	o	
G_CCMI6	getCriteria	ES 202 915-4-2 [5], clause 6.1	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 202 915-4-2 [5], clause 6.3	o	
G_CI2	release	ES 202 915-4-2 [5], clause 6.3	o	
G_CI3	deassignCall	ES 202 915-4-2 [5], clause 6.3	o	
G_CI4	getCallInfoReq	ES 202 915-4-2 [5], clause 6.3	o	
G_CI5	setCallChargePlan	ES 202 915-4-2 [5], clause 6.3	o	
G_CI6	setAdviceOfCharge	ES 202 915-4-2 [5], clause 6.3	o	
G_CI7	getMoreDialledDigitsReq	ES 202 915-4-2 [5], clause 6.3	o	
G_CI8	superviseCallReq	ES 202 915-4-2 [5], clause 6.3	o	
G_CI9	continueProcessing	ES 202 915-4-2 [5], clause 6.3	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 202 915-4-2 [5], clause 6.2	m	
G_AI2	IpAppCall	ES 202 915-4-2 [5], clause 6.4	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 202 915-4-2 [5], clause 6.2	o	
AG_CCM2	callEventNotify	ES 202 915-4-2 [5], clause 6.2	c.11	
AG_CCM3	callNotificationInterrupted	ES 202 915-4-2 [5], clause 6.2	o	
AG_CCM4	callNotificationContinued	ES 202 915-4-2 [5], clause 6.2	o	
AG_CCM5	callOverloadEncountered	ES 202 915-4-2 [5], clause 6.2	o	
AG_CCM6	callOverloadCeased	ES 202 915-4-2 [5], clause 6.2	o	
c.11: 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 202 915-4-2 [5], clause 6.4	c.12	
AG_C2	routeErr	ES 202 915-4-2 [5], clause 6.4	o	
AG_C3	getCallInfoRes	ES 202 915-4-2 [5], clause 6.4	c.13	
AG_C4	getCallInfoErr	ES 202 915-4-2 [5], clause 6.4	o	
AG_C5	superviseCallRes	ES 202 915-4-2 [5], clause 6.4	c.14	
AG_C6	superviseCallErr	ES 202 915-4-2 [5], clause 6.4	o	
AG_C7	callFaultDetected	ES 202 915-4-2 [5], clause 6.4	o	
AG_C8	getMoreDialledDigitsRes	ES 202 915-4-2 [5], clause 6.4	c.15	
AG_C9	getMoreDialledDigitsErr	ES 202 915-4-2 [5], clause 6.4	o	
AG_C10	callEnded	ES 202 915-4-2 [5], clause 6.4	o	
c.12: m if C.22/G_C11 supported, else N/A.				
c.13: m if C.22/G_C14 supported, else N/A.				
c.14: m if C.22/G_C18 supported, else N/A.				
c.15: 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_CCM1	createCall	ES 202 915-4-3 [6], clause 6.1	o.14	
MP_CCM2	createNotification	ES 202 915-4-3 [6], clause 6.1	o.14	
MP_CCM3	destroyNotification	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM4	changeNotification	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM5	getNotification (deprecated)	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM6	enableNotifications	ES 202 915-4-3 [6], clause 6.1	o.14	
MP_CCM7	disableNotifications	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM8	getNextNotification	ES 202 915-4-3 [6], clause 6.1	o	
MP_CCM9	setCallLoadControl	ES 202 915-4-3 [6], clause 6.1	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_C11	getCallLeg	ES 202 915-4-3 [6], clause 6.3	o	
MP_C12	createCallLeg	ES 202 915-4-3 [6], clause 6.3	o	
MP_C13	createAndRouteCallLegReq	ES 202 915-4-3 [6], clause 6.3	o	
MP_C14	release	ES 202 915-4-3 [6], clause 6.3	o	
MP_C15	deassignCall	ES 202 915-4-3 [6], clause 6.3	o	
MP_C16	getInfoReq	ES 202 915-4-3 [6], clause 6.3	o	
MP_C17	setChargePlan	ES 202 915-4-3 [6], clause 6.3	o	
MP_C18	setAdviceOfCharge	ES 202 915-4-3 [6], clause 6.3	o	
MP_C19	superviseReq	ES 202 915-4-3 [6], clause 6.3	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 202 915-4-3 [6], clause 6.5	o	
MP_CLI2	eventReportReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI3	release	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI4	getInfoReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI5	getCall	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI6	attachMediaReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI7	detachMediaReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI8	getCurrentDestinationAddress	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI9	continueProcessing	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI10	setChargePlan	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI11	setAdviceOfCharge	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI12	superviseReq	ES 202 915-4-3 [6], clause 6.5	o	
MP_CLI13	deassign	ES 202 915-4-3 [6], clause 6.5	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 202 915-4-3 [6], clause 6.2	m	
MP_AI2	IpAppMultiPartyCall	ES 202 915-4-3 [6], clause 6.4	o	
MP_AI3	IpAppCallLeg	ES 202 915-4-3 [6], clause 6.6	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 202 915-4-3 [6], clause 6.2	c.16	
AMP_CCM2	callAborted	ES 202 915-4-3 [6], clause 6.2	o	
AMP_CCM3	managerInterrupted	ES 202 915-4-3 [6], clause 6.2	o	
AMP_CCM4	managerResumed	ES 202 915-4-3 [6], clause 6.2	o	
AMP_CCM5	callOverloadEncountered	ES 202 915-4-3 [6], clause 6.2	o	
AMP_CCM6	callOverloadCeased	ES 202 915-4-3 [6], clause 6.2	o	
c.16: m if C.26/MP_CCM2 or C.26/MP_CCM6 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 202 915-4-3 [6], clause 6.4	c.17	
AMP_C2	getInfoErr	ES 202 915-4-3 [6], clause 6.4	o	
AMP_C3	superviseRes	ES 202 915-4-3 [6], clause 6.4	c.18	
AMP_C4	superviseErr	ES 202 915-4-3 [6], clause 6.4	o	
AMP_C5	callEnded	ES 202 915-4-3 [6], clause 6.4	o	
AMP_C6	createAndRouteCallLegErr	ES 202 915-4-3 [6], clause 6.4	o	
c.17: m if C.27/MP_CI6 supported, else N/A.				
c.18: 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 202 915-4-3 [6], clause 6.6	c.19	
AMP_CL2	eventReportErr	ES 202 915-4-3 [6], clause 6.6	o	
AMP_CL3	attachMediaRes	ES 202 915-4-3 [6], clause 6.6	c.20	
AMP_CL4	attachMediaErr	ES 202 915-4-3 [6], clause 6.6	o	
AMP_CL5	detachMediaRes	ES 202 915-4-3 [6], clause 6.6	c.21	
AMP_CL6	detachMediaErr	ES 202 915-4-3 [6], clause 6.6	o	
AMP_CL7	getInfoRes	ES 202 915-4-3 [6], clause 6.6	c.22	
AMP_CL8	getInfoErr	ES 202 915-4-3 [6], clause 6.6	o	
AMP_CL9	routeErr	ES 202 915-4-3 [6], clause 6.6	o	
AMP_CL10	superviseRes	ES 202 915-4-3 [6], clause 6.6	c.23	
AMP_CL11	superviseErr	ES 202 915-4-3 [6], clause 6.6	o	
AMP_CL12	callLegEnded	ES 202 915-4-3 [6], clause 6.6	o	
c.19:	m if C.28/MP_CL12 supported, else o.			
c.20:	m if C.28/MP_CL16 supported, else N/A.			
c.21:	m if C.28/MP_CL17 supported, else N/A.			
c.22:	m if C.28/MP_CL14 supported, else N/A.			
c.23:	m if C.28/MP_CL12 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 202 915-4-4 [7], clause 6.1	o.15	
MM_CCMI2	createNotification	ES 202 915-4-4 [7], clause 6.1	o.15	
MM_CCMI3	destroyNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI4	changeNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI5	getNotification (deprecated)	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI6	enableNotifications	ES 202 915-4-4 [7], clause 6.1	o.15	
MM_CCMI7	disableNotifications	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI8	getNextNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI9	setCallLoadControl	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI10	createMediaNotification	ES 202 915-4-4 [7], clause 6.1	o.15	
MM_CCMI11	destroyMediaNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI12	changeMediaNotification	ES 202 915-4-4 [7], clause 6.1	o	
MM_CCMI13	getMediaNotification	ES 202 915-4-4 [7], clause 6.1	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 202 915-4-4 [7], clause 6.3	o	
MM_CI2	createCallLeg	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI3	createAndRouteCallLegReq	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI4	release	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI5	deassignCall	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI6	getInfoReq	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI7	setChargePlan	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI8	setAdviceOfCharge	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI9	superviseReq	ES 202 915-4-4 [7], clause 6.3	o	
MM_CI10	superviseVolumeReq	ES 202 915-4-4 [7], clause 6.3	o	

Table C.35: IpMultiMediaCallLeg

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MM_CLI1	routeReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI2	eventReportReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI3	release	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI4	getInfoReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI5	getCall	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI6	attachMediaReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI7	detachMediaReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI8	getCurrentDestinationAddress	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI9	continueProcessing	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI10	setChargePlan	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI11	setAdviceOfCharge	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI12	superviseReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI13	deassign	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI14	mediaStreamAllow	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI15	mediaStreamMonitorReq	ES 202 915-4-4 [7], clause 6.5	o	
MM_CLI16	getMediaStream	ES 202 915-4-4 [7], clause 6.5	o	

Table C.36: IpMultiMediaStream

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MM_SI1	subtract	ES 202 915-4-4 [7], clause 6.7	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 202 915-4-4 [7], clause 6.2	m	
MM_AI2	IpAppMultiMediaCall	ES 202 915-4-4 [7], clause 6.4	o	
MM_AI3	IpAppMultiMediaCallLeg	ES 202 915-4-4 [7], clause 6.6	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 202 915-4-4 [7], clause 6.2	c.24	
AMM_CCM2	callAborted	ES 202 915-4-4 [7], clause 6.2	o	
AMM_CCM3	managerInterrupted	ES 202 915-4-4 [7], clause 6.2	o	
AMM_CCM4	managerResumed	ES 202 915-4-4 [7], clause 6.2	o	
AMM_CCM5	callOverloadEncountered	ES 202 915-4-4 [7], clause 6.2	o	
AMM_CCM6	callOverloadCeased	ES 202 915-4-4 [7], clause 6.2	o	
AMM_CCM7	reportMediaNotification	ES 202 915-4-4 [7], clause 6.2	c.25	
c.24: m if C.33/MM_CCMI2 or C.33/MM_CCMI6 supported, else N/A.				
c.25: m if C.33/MM_CCMI10 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 202 915-4-4 [7], clause 6.4	c.26	
AMM_C2	getInfoErr	ES 202 915-4-4 [7], clause 6.4	o	
AMM_C3	superviseRes	ES 202 915-4-4 [7], clause 6.4	c.27	
AMM_C4	superviseErr	ES 202 915-4-4 [7], clause 6.4	o	
AMM_C5	callEnded	ES 202 915-4-4 [7], clause 6.4	o	
AMM_C6	createAndRouteCallLegErr	ES 202 915-4-4 [7], clause 6.4	o	
AMM_C7	superviseVolumeRes	ES 202 915-4-4 [7], clause 6.4	c.28	
AMM_C8	superviseVolumeErr	ES 202 915-4-4 [7], clause 6.4	o	
c.26: m, if C.34/MM_CL16 supported, else N/A.				
c.27: m, if C.34/MM_CL19 supported, else N/A.				
c.28: 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 202 915-4-4 [7], clause 6.6	c.29	
AMM_CL2	eventReportErr	ES 202 915-4-4 [7], clause 6.6	o	
AMM_CL3	attachMediaRes	ES 202 915-4-4 [7], clause 6.6	c.30	
AMM_CL4	attachMediaErr	ES 202 915-4-4 [7], clause 6.6	o	
AMM_CL5	detachMediaRes	ES 202 915-4-4 [7], clause 6.6	c.31	
AMM_CL6	detachMediaErr	ES 202 915-4-4 [7], clause 6.6	o	
AMM_CL7	getInfoRes	ES 202 915-4-4 [7], clause 6.6	c.32	
AMM_CL8	getInfoErr	ES 202 915-4-4 [7], clause 6.6	o	
AMM_CL9	routeErr	ES 202 915-4-4 [7], clause 6.6	o	
AMM_CL10	superviseRes	ES 202 915-4-4 [7], clause 6.6	c.33	
AMM_CL11	superviseErr	ES 202 915-4-4 [7], clause 6.6	o	
AMM_CL12	callLegEnded	ES 202 915-4-4 [7], clause 6.6	o	
AMM_CL13	mediaStreamMonitorRes	ES 202 915-4-4 [7], clause 6.6	c.34	
c.29: m, if C.35/MM_CL12 supported, else o.				
c.30: m, if C.35/MM_CL16 supported, else N/A.				
c.31: m, if C.35/MM_CL17 supported, else N/A.				
c.32: m, if C.35/MM_CL14 supported, else N/A.				
c.33: m, if C.35/MM_CL12 supported, else N/A.				
c.34: 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 202 915-4-5 [8], clause 6.1	o.16	
C_CCMI2	createNotification	ES 202 915-4-5 [8], clause 6.1	o.16	
C_CCMI3	destroyNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI4	changeNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI5	getNotification (deprecated)	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI6	setCallLoadControl	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI7	createMediaNotification	ES 202 915-4-5 [8], clause 6.1	o.16	
C_CCMI8	destroyMediaNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI9	changeMediaNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI10	getMediaNotification	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI11	createConference	ES 202 915-4-5 [8], clause 6.1	o.16	
C_CCMI12	checkResources	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI13	reserveResources	ES 202 915-4-5 [8], clause 6.1	o.16	
C_CCMI14	freeResources	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI15	enableNotifications	ES 202 915-4-5 [8], clause 6.1	o.16	
C_CCMI16	disableNotifications	ES 202 915-4-5 [8], clause 6.1	o	
C_CCMI17	getNextNotification	ES 202 915-4-5 [8], clause 6.1	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 202 915-4-5 [8], clause 6.3	o	
C_CI2	createCallLeg	ES 202 915-4-5 [8], clause 6.3	o	
C_CI3	createAndRouteCallLegReq	ES 202 915-4-5 [8], clause 6.3	o	
C_CI4	release	ES 202 915-4-5 [8], clause 6.3	o	
C_CI5	deassignCall	ES 202 915-4-5 [8], clause 6.3	o	
C_CI6	getInfoReq	ES 202 915-4-5 [8], clause 6.3	o	
C_CI7	setChargePlan	ES 202 915-4-5 [8], clause 6.3	o	
C_CI8	setAdviceOfCharge	ES 202 915-4-5 [8], clause 6.3	o	
C_CI9	superviseReq	ES 202 915-4-5 [8], clause 6.3	o	
C_CI10	superviseVolumeReq	ES 202 915-4-5 [8], clause 6.3	o	
C_CI11	getSubConferences	ES 202 915-4-5 [8], clause 6.3	o	
C_CI12	createSubConference	ES 202 915-4-5 [8], clause 6.3	o	
C_CI13	leaveMonitorReq	ES 202 915-4-5 [8], clause 6.3	o	
C_CI14	getConferenceAddress	ES 202 915-4-5 [8], clause 6.3	o	

Table C.43: IpSubConfCall

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_SCCI1	getCallLeg	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI2	createCallLeg	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI3	createAndRouteCallLegReq	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI4	release	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI5	deassignCall	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI6	getInfoReq	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI7	setChargePlan	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI8	setAdviceOfCharge	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI9	superviseReq	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI10	superviseVolumeReq	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI11	splitSubConference	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI12	mergeSubConference	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI13	moveCallLeg	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI14	inspectVideo	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI15	inspectVideoCancel	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI16	appointSpeaker	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI17	chairSelection	ES 202 915-4-5 [8], clause 6.5	o	
C_SCCI18	changeConferencePolicy	ES 202 915-4-5 [8], clause 6.5	o	

Table C.44: IpMultiMediaCallLeg

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_CLI1	routeReq	ES 202 915-4-5 [8], clause 5	o	
C_CLI2	eventReportReq	ES 202 915-4-5 [8], clause 5	o	
C_CLI3	release	ES 202 915-4-5 [8], clause 5	o	
C_CLI4	getInfoReq	ES 202 915-4-5 [8], clause 5	o	
C_CLI5	getCall	ES 202 915-4-5 [8], clause 5	o	
C_CLI6	attachMediaReq	ES 202 915-4-5 [8], clause 5	o	
C_CLI7	detachMediaReq	ES 202 915-4-5 [8], clause 5	o	
C_CLI8	getCurrentDestinationAddress	ES 202 915-4-5 [8], clause 5	o	
C_CLI9	continueProcessing	ES 202 915-4-5 [8], clause 5	o	
C_CLI10	setChargePlan	ES 202 915-4-5 [8], clause 5	o	
C_CLI11	setAdviceOfCharge	ES 202 915-4-5 [8], clause 5	o	
C_CLI12	superviseReq	ES 202 915-4-5 [8], clause 5	o	
C_CLI13	deassign	ES 202 915-4-5 [8], clause 5	o	
C_CLI14	mediaStreamAllow	ES 202 915-4-5 [8], clause 5	o	
C_CLI15	mediaStreamMonitorReq	ES 202 915-4-5 [8], clause 5	o	
C_CLI16	getMediaStream	ES 202 915-4-5 [8], clause 5	o	

Table C.45: IpMultiMediaStream

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
C_SI1	subtract	ES 202 915-4-5 [8], clause 6	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 202 915-4-5 [8], clause 6.2	m	
C_AI2	IpAppConfCall	ES 202 915-4-5 [8], clause 6.4	o	
C_AI3	IpAppSubConfCall	ES 202 915-4-5 [8], clause 6.6	o	
C_AI4	IpAppMultiMediaCallLeg	ES 202 915-4-5 [8], clause 5	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 202 915-4-5 [8], clause 6.2	c.35	
AC_CCM2	callAborted	ES 202 915-4-5 [8], clause 6.2	o	
AC_CCM3	managerInterrupted	ES 202 915-4-5 [8], clause 6.2	o	
AC_CCM4	managerResumed	ES 202 915-4-5 [8], clause 6.2	o	
AC_CCM5	callOverloadEncountered	ES 202 915-4-5 [8], clause 6.2	o	
AC_CCM6	callOverloadCeased	ES 202 915-4-5 [8], clause 6.2	o	
AC_CCM7	reportMediaNotification	ES 202 915-4-5 [8], clause 6.2	c.36	
AC_CCM8	conferenceCreated	ES 202 915-4-5 [8], clause 6.2	c.37	
c.35: m if C.41/C_CCM12 or C.41/C_CCM15 supported, else N/A.				
c.36: m if C.41/C_CCM17 supported, else N/A.				
c.37: m if C.41/C_CCM13 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 202 915-4-5 [8], clause 6.4	c.38	
AC_C2	getInfoErr	ES 202 915-4-5 [8], clause 6.4	o	
AC_C3	superviseRes	ES 202 915-4-5 [8], clause 6.4	c.39	
AC_C4	superviseErr	ES 202 915-4-5 [8], clause 6.4	o	
AC_C5	callEnded	ES 202 915-4-5 [8], clause 6.4	o	
AC_C6	createAndRouteCallLegErr	ES 202 915-4-5 [8], clause 6.4	o	
AC_C7	superviseVolumeRes	ES 202 915-4-5 [8], clause 6.4	c.40	
AC_C8	superviseVolumeErr	ES 202 915-4-5 [8], clause 6.4	o	
AC_C9	partyJoined	ES 202 915-4-5 [8], clause 6.4	o	
AC_C10	leaveMonitorRes	ES 202 915-4-5 [8], clause 6.4	c.41	
c.38: m, if C.42/C_CI6 supported, else N/A.				
c.39: m, if C.42/C_CI9 supported, else N/A.				
c.40: m, if C.42/C_CI10 supported, else N/A.				
c.41: 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 202 915-4-5 [8], clause 6.6	c.42	
AC_SCC2	getInfoErr	ES 202 915-4-5 [8], clause 6.6	o	
AC_SCC3	superviseRes	ES 202 915-4-5 [8], clause 6.6	c.43	
AC_SCC4	superviseErr	ES 202 915-4-5 [8], clause 6.6	o	
AC_SCC5	callEnded	ES 202 915-4-5 [8], clause 6.6	o	
AC_SCC6	createAndRouteCallLegErr	ES 202 915-4-5 [8], clause 6.6	o	
AC_SCC7	superviseVolumeRes	ES 202 915-4-5 [8], clause 6.6	c.44	
AC_SCC8	superviseVolumeErr	ES 202 915-4-5 [8], clause 6.6	o	
AC_SCC9	chairSelection	ES 202 915-4-5 [8], clause 6.6	o	
AC_SCC10	floorRequest	ES 202 915-4-5 [8], clause 6.6	o	
c.42: m, if C.43/C_SCCI6 supported, else N/A.				
c.43: m, if C.43/C_SCCI9 supported, else N/A.				
c.44: 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	ES 202 915-4-5 [8], clause 5	o	
AC_CL2	eventReportRes	ES 202 915-4-5 [8], clause 5	c.45	
AC_CL3	eventReportErr	ES 202 915-4-5 [8], clause 5	o	
AC_CL4	attachMediaRes	ES 202 915-4-5 [8], clause 5	c.46	
AC_CL5	attachMediaErr	ES 202 915-4-5 [8], clause 5	o	
AC_CL6	detachMediaRes	ES 202 915-4-5 [8], clause 5	c.47	
AC_CL7	detachMediaErr	ES 202 915-4-5 [8], clause 5	o	
AC_CL8	getInfoRes	ES 202 915-4-5 [8], clause 5	c.48	
AC_CL9	getInfoErr	ES 202 915-4-5 [8], clause 5	o	
AC_CL10	routeErr	ES 202 915-4-5 [8], clause 5	o	
AC_CL11	superviseRes	ES 202 915-4-5 [8], clause 5	c.49	
AC_CL12	superviseErr	ES 202 915-4-5 [8], clause 5	o	
AC_CL13	callLegEnded	ES 202 915-4-5 [8], clause 5	o	
AC_CL14	mediaStreamMonitorRes	ES 202 915-4-5 [8], clause 5	c.50	
c.45: m, if C.44/C_CL12 supported, else o.				
c.46: m, if C.44/C_CL16 supported, else N/A.				
c.47: m, if C.44/C_CL17 supported, else N/A.				
c.48: m, if C.44/C_CL14 supported, else N/A.				
c.49: m, if C.44/C_CL12 supported, else N/A.				
c.50: m, if C.44/C_CL15 supported, else N/A.				

Annex D (normative): ICS proforma for ES 202 915-5 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 202 915-5 [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.

D.1.2 Abbreviations and conventions

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

D.1.3 Instructions for completing the ICS proforma

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

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 202 915-5 [9]: "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 202 915-5 [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.

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 202 915-5 [9], clause 8.1	m	
I2	IpUI	ES 202 915-5 [9], clause 8.3	o.1	
I3	IpUICall	ES 202 915-5 [9], 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 202 915-5 [9], clause 8.1	o.2	
UIM2	createUICall	ES 202 915-5 [9], clause 8.1	o.2	
UIM3	createNotification	ES 202 915-5 [9], clause 8.1	o.2	
UIM4	destroyNotification	ES 202 915-5 [9], clause 8.1	c.1	
UIM5	changeNotification	ES 202 915-5 [9], clause 8.1	o	
UIM6	getNotification	ES 202 915-5 [9], clause 8.1	o	
UIM7	enableNotifications	ES 202 915-5 [9], clause 8.1	o.2	
UIM8	disableNotifications	ES 202 915-5 [9], clause 8.1	c.2	
UIM9	setCallback	ES 202 915-5 [9], 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.				
c.2: m, if UIM7 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 202 915-5 [9], clause 8.3	o.3	
UI2	sendInfoAndCollectReq	ES 202 915-5 [9], clause 8.3	o.3	
UI3	release	ES 202 915-5 [9], clause 8.3	m	
UI4	setCallbackWithSessionID	ES 202 915-5 [9], 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 202 915-5 [9], clause 8.5	o.4	
UIC2	sendInfoAndCollectReq	ES 202 915-5 [9], clause 8.5	o.4	
UIC3	release	ES 202 915-5 [9], clause 8.5	m	
UIC4	recordMessageReq	ES 202 915-5 [9], clause 8.5	o	
UIC5	deleteMessageReq	ES 202 915-5 [9], clause 8.5	o	
UIC6	abortActionReq	ES 202 915-5 [9], clause 8.5	o	
UIC7	setCallbackWithSessionID	ES 202 915-5 [9], 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 202 915-5 [9], clause 8.1	o.5	
UIMI2	createUICall	ES 202 915-5 [9], clause 8.1	o.5	
UIMI3	createNotification	ES 202 915-5 [9], clause 8.1	o.5	
UIMI4	destroyNotification	ES 202 915-5 [9], clause 8.1	o	
UIMI5	changeNotification	ES 202 915-5 [9], clause 8.1	o	
UIMI6	getNotification	ES 202 915-5 [9], clause 8.1	o	
UIMI7	enableNotifications	ES 202 915-5 [9], clause 8.1	o.5	
UIMI8	disableNotifications	ES 202 915-5 [9], 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 202 915-5 [9], clause 8.3	o	
UII2	sendInfoAndCollectReq	ES 202 915-5 [9], clause 8.3	o	
UII3	release	ES 202 915-5 [9], clause 8.3	o	

Table D.7: IpUICall Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
UICI1	sendInfoReq	ES 202 915-5 [9], clause 8.5	o	
UICI2	sendInfoAndCollectReq	ES 202 915-5 [9], clause 8.5	o	
UICI3	release	ES 202 915-5 [9], clause 8.5	o	
UICI4	recordMessageReq	ES 202 915-5 [9], clause 8.5	o	
UICI5	deleteMessageReq	ES 202 915-5 [9], clause 8.5	o	
UICI6	abortActionReq	ES 202 915-5 [9], 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 202 915-5 [9], clause 8.2	m	
A12	IpAppUI	ES 202 915-5 [9], clause 8.4	o.6	
A13	IpAppUICall	ES 202 915-5 [9], 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 202 915-5 [9], clause 8.2	o	
AUIM2	userInteractionNotificationInterrupted	ES 202 915-5 [9], clause 8.2	o	
AUIM3	userInteractionNotificationContinued	ES 202 915-5 [9], clause 8.2	o	
AUIM4	reportNotification (deprecated)	ES 202 915-5 [9], clause 8.2	o	
AUIM5	reportEventNotification	ES 202 915-5 [9], clause 8.2	c. 3	
c.3: m if D.5/UIMI3 or D.5/UIMI7 supported, else N/A.				

Table D.10: IpAppUI Methods

Prerequisite: D.8/ AI2

Item	Methods: Is the method implemented?	Reference	Status	Support
AUI1	sendInfoRes	ES 202 915-5 [9], clause 8.4	c. 4	
AUI2	sendInfoErr	ES 202 915-5 [9], clause 8.4	o	
AUI3	sendInfoAndCollectRes	ES 202 915-5 [9], clause 8.4	c. 5	
AUI4	sendInfoAndCollectErr	ES 202 915-5 [9], clause 8.4	o	
AUI5	userInteractionFaultDetected	ES 202 915-5 [9], clause 8.4	o	
c.4: m if D.6/UII1 supported, else N/A.				
c.5: 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 202 915-5 [9], clause 8.4	c. 6	
AUIC2	sendInfoErr	ES 202 915-5 [9], clause 8.4	o	
AUIC3	sendInfoAndCollectRes	ES 202 915-5 [9], clause 8.4	c. 7	
AUIC4	sendInfoAndCollectErr	ES 202 915-5 [9], clause 8.4	o	
AUIC5	userInteractionFaultDetected	ES 202 915-5 [9], clause 8.4	o	
AUIC6	recordMessageRes	ES 202 915-5 [9], clause 8.6	c. 8	
AUIC7	recordMessageErr	ES 202 915-5 [9], clause 8.6	o	
AUIC8	deleteMessageRes	ES 202 915-5 [9], clause 8.6	c. 9	
AUIC9	deleteMessageErr	ES 202 915-5 [9], clause 8.6	o	
AUIC10	abortActionRes	ES 202 915-5 [9], clause 8.6	c.10	
AUIC11	abortActionErr	ES 202 915-5 [9], clause 8.6	o	
c.6: m if D.7/UICI1 supported, else N/A.				
c.7: m if D.7/UICI2 supported, else N/A.				
c.8: m if D.7/UICI4 supported, else N/A.				
c.9: m if D.7/UICI5 supported, else N/A.				
c.10: m if D.7/UICI6 supported, else N/A.				

Annex E (normative): ICS proforma for ES 202 915-6 Mobility SCF

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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 202 915-6 [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.

E.1.2 Abbreviations and conventions

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

E.1.3 Instructions for completing the ICS proforma

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

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 202 915-6 [10]: "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 202 915-6 [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.

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 202 915-6 [10], clause 6	o.1	
MC2	User Location Camel Service	ES 202 915-6 [10], clause 6	o.1	
MC3	User Location Emergency Service	ES 202 915-6 [10], clause 6	o.1	
MC4	User Status	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.1.1	o.2	
I2	IpTriggeredUserLocation	ES 202 915-6 [10], clause 8.1.3	o.2	
I3	IpUserLocationCamel	ES 202 915-6 [10], clause 8.2.1	c.1	
I4	IpUserLocationEmergency	ES 202 915-6 [10], clause 8.3.1	c.2	
I5	IpUserStatus	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.1.1	o.3	
UL2	extendedLocationReportReq	ES 202 915-6 [10], clause 8.1.1	o.3	
UL3	periodicLocationReportingStartReq	ES 202 915-6 [10], clause 8.1.1	o.3	
UL4	periodicLocationReportingStop	ES 202 915-6 [10], clause 8.1.1	c.4	
UL5	setCallBack	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.1.3	o	
TUL2	extendedLocationReportReq	ES 202 915-6 [10], clause 8.1.3	o	
TUL3	periodicLocationReportingStartReq	ES 202 915-6 [10], clause 8.1.3	o	
TUL4	periodicLocationReportingStop	ES 202 915-6 [10], clause 8.1.3	c.5	
TUL5	triggeredLocationReportingStartReq	ES 202 915-6 [10], clause 8.1.3	m	
TUL6	triggeredLocationReportingStop	ES 202 915-6 [10], clause 8.1.3	m	
TUL7	setCallBack	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.2.1	o.4	
ULC2	periodicLocationReportingStartReq	ES 202 915-6 [10], clause 8.2.1	o.4	
ULC3	periodicLocationReportingStop	ES 202 915-6 [10], clause 8.2.1	c.6	
ULC4	triggeredLocationReportingStartReq	ES 202 915-6 [10], clause 8.2.1	o.4	
ULC5	triggeredLocationReportingStop	ES 202 915-6 [10], clause 8.2.1	c.7	
ULC6	setCallBack	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.3.1	o.5	
ULE2	subscribeEmergencyLocationReports	ES 202 915-6 [10], clause 8.3.1	o.5	
ULE3	unsubscribeEmergencyLocationReports	ES 202 915-6 [10], clause 8.3.1	c.8	
ULE4	SetCallBack	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.4.2	o.6	
US2	triggeredStatusReportingStartReq	ES 202 915-6 [10], clause 8.4.2	o.6	
US3	triggeredStatusReportingStop	ES 202 915-6 [10], clause 8.4.2	c.9	
US4	SetCallBack	ES 202 915-6 [10], 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 202 915-6 [10], clause 6	o.7	
MCA2	User Location Camel Service	ES 202 915-6 [10], clause 6	o.7	
MCA3	User Location Emergency Service	ES 202 915-6 [10], clause 6	o.7	
MCA4	User Status	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.1.1	o.8	
ULI2	extendedLocationReportReq	ES 202 915-6 [10], clause 8.1.1	o.8	
ULI3	periodicLocationReportingStartReq	ES 202 915-6 [10], clause 8.1.1	o.8	
ULI4	periodicLocationReportingStop	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.1.3	o.8	
TULI2	extendedLocationReportReq	ES 202 915-6 [10], clause 8.1.3	o.8	
TULI3	periodicLocationReportingStartReq	ES 202 915-6 [10], clause 8.1.3	o.8	
TULI4	periodicLocationReportingStop	ES 202 915-6 [10], clause 8.1.3	o	
TULI5	triggeredLocationReportingStartReq	ES 202 915-6 [10], clause 8.1.3	o.8	
TULI6	triggeredLocationReportingStop	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.2.1	o.9	
ULCI2	periodicLocationReportingStartReq	ES 202 915-6 [10], clause 8.2.1	o.9	
ULCI3	periodicLocationReportingStop	ES 202 915-6 [10], clause 8.2.1	o	
ULCI4	triggeredLocationReportingStartReq	ES 202 915-6 [10], clause 8.2.1	o.9	
ULCI5	triggeredLocationReportingStop	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.3.1	o.10	
ULEI2	subscribeEmergencyLocationReports	ES 202 915-6 [10], clause 8.3.1	o.10	
ULEI3	unsubscribeEmergencyLocationReports	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.4.2	o.11	
USI2	triggeredStatusReportingStartReq	ES 202 915-6 [10], clause 8.4.2	o.11	
USI3	triggeredStatusReportingStop	ES 202 915-6 [10], 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
AI1	IpAppUserLocation	ES 202 915-5 [9], clause 8.1.2	o.12	
AI2	IpAppTriggeredUserLocation	ES 202 915-5 [9], clause 8.1.4	c.10	
AI3	IpUserLocationCamel	ES 202 915-5 [9], clause 8.2.2	c.11	
AI4	IpAppUserLocationEmergency	ES 202 915-5 [9], clause 8.3.2	c.12	
AI5	IpAppUserStatus	ES 202 915-5 [9], clause 8.4.1	c.13	
o.12: m, if E.8/MCA1 supported and AI2 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 202 915-6 [10], clause 8.1.2	c.14	
AUL2	locationReportErr	ES 202 915-6 [10], clause 8.1.2	o	
AUL3	extendedLocationReportRes	ES 202 915-6 [10], clause 8.1.2	c.15	
AUL4	extendedLocationReportErr	ES 202 915-6 [10], clause 8.1.2	o	
AUL5	periodicLocationReport	ES 202 915-6 [10], clause 8.1.2	c.16	
AUL6	periodicLocationReportErr	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.1.2	c.17	
ATUL2	locationReportErr	ES 202 915-6 [10], clause 8.1.2	o	
ATUL3	extendedLocationReportRes	ES 202 915-6 [10], clause 8.1.2	c.18	
ATUL4	extendedLocationReportErr	ES 202 915-6 [10], clause 8.1.2	o	
ATUL5	periodicLocationReport	ES 202 915-6 [10], clause 8.1.2	c.19	
ATUL6	periodicLocationReportErr	ES 202 915-6 [10], clause 8.1.2	o	
ATUL7	triggeredLocationReport	ES 202 915-6 [10], clause 8.1.4	c.20	
ATUL8	triggeredLocationReportErr	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.2.2	c.21	
AULC2	locationReportErr	ES 202 915-6 [10], clause 8.2.2	o	
AULC3	periodicLocationReport	ES 202 915-6 [10], clause 8.2.2	c.22	
AULC4	periodicLocationReportErr	ES 202 915-6 [10], clause 8.2.2	o	
AULC5	triggeredLocationReport	ES 202 915-6 [10], clause 8.2.2	c.23	
AULC6	triggeredLocationReportErr	ES 202 915-6 [10], 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 202 915-6 [10], clause 8.3.2	c.24	
AULE2	emergencyLocationReportErr	ES 202 915-6 [10], clause 8.3.2	o	
c.24:	m if E.12/ULEI1 or E.12/ULEI2 supported, else N/A.			

Table E.19: IpAppUserStatus Methods

Prerequisite: E.14/AI5

Item	Methods: Is the method implemented?	Reference	Status	Support
AUS1	statusReportRes	ES 202 915-6 [10], clause 8.4.1	c.25	
AUS2	statusReportErr	ES 202 915-6 [10], clause 8.4.1	o	
AUS3	triggeredStatusReport	ES 202 915-6 [10], clause 8.4.1	c.26	
AUS4	triggeredStatusReportErr	ES 202 915-6 [10], 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 202 915-7 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 202 915-7 [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.

F.1.2 Abbreviations and conventions

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

F.1.3 Instructions for completing the ICS proforma

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

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 202 915-7 [11]: "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 202 915-7 [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.

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 202 915-7 [11], clause 8.1	o.1	
I2	IpExtendedTerminalCapabilities	ES 202 915-7 [11], clause 8.2	o.1	
o.1: At least one of these interfaces shall be supported.				

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 202 915-7 [11], clause 8.1	m	
TC2	setCallback	ES 202 915-7 [11], clause 8.1	n/a	

Table F.3: IpExtendedTerminalCapabilities Methods

Prerequisite: F.1/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
TEC1	getTerminalCapibilities	ES 202 915-7 [11], clause 8.2	o	
TEC2	triggeredTerminalCapabilityStartReq	ES 202 915-7 [11], clause 8.2	m	
TEC3	triggeredTerminalCapabilityStop	ES 202 915-7 [11], clause 8.2	m	
TEC4	setCallback	ES 202 915-7 [11], clause 8.2	m	

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.4: IpTerminalCapabilities Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
TCI1	getTerminalCapibilities	ES 202 915-7 [11], clause 8.1	o	

Table F.5: IpExtendedTerminalCapabilities Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
TEC11	getTerminalCapibilities	ES 202 915-7 [11], clause 8.2	o	
TEC12	triggeredTerminalCapabilityStartReq	ES 202 915-7 [11], clause 8.2	o	
TEC13	triggeredTerminalCapabilityStop	ES 202 915-7 [11], clause 8.2	o	

F.6.2 Interfaces Implemented

Table F.6: Interfaces

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
AI1	IpAppExtendedTerminalCapabilities	ES 202 915-7 [11], clause 8.3	o	

F.6.3 Methods Implemented

Table F.7: IpAppExtendedTerminalCapabilities Methods

Prerequisite: F.6/AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
ATEC1	triggeredTerminalCapabilityReport	ES 202 915-7 [11], clause 8.3	m	
ATEC2	triggeredTerminalCapabilityReportErr	ES 202 915-7 [11], clause 8.3	o	

Annex G (normative): ICS proforma for ES 202 915-8 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 202 915-8 [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.

G.1.2 Abbreviations and conventions

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

G.1.3 Instructions for completing the ICS proforma

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

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 202 915-8 [12]: "Open Service Access (OSA); Application Programming Interface (API); Part 8: Data Session Control SCF".

G.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

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

G.5 Data Session Control SCF Functionalities

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

G.5.1 Interfaces Implemented

Table G.1: Interfaces

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpDataSessionControlManager	ES 202 915-8 [12], clause 8.4	m	
I2	IpDataSession	ES 202 915-8 [12], 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 (deprecated)	ES 202 915-8 [12], clause 8.4	o	
DM2	createNotifications	ES 202 915-8 [12], clause 8.4	o.1	
DM3	destroyNotification	ES 202 915-8 [12], clause 8.4	c.1	
DM4	changeNotification	ES 202 915-8 [12], clause 8.4	o	
DM5	getNotification (deprecated)	ES 202 915-8 [12], clause 8.4	o	
DM6	getNotifications	ES 202 915-8 [12], clause 8.4	o	
DM7	enableNotifications	ES 202 915-8 [12], clause 8.4	o.1	
DM8	disableNotifications	ES 202 915-8 [12], clause 8.4	c.2	
DM9	setCallback	ES 202 915-8 [12], clause 8.4	m	
o.1: At least one of these methods shall be supported.				
c.1: m if DM2 supported, else N/A.				
c.2: m if DM7 supported, else N/A.				

Table G.3: IpDataSession Methods

Prerequisite: G.1/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
DS1	connectReq	ES 202 915-8 [12], clause 8.3	m	
DS2	release	ES 202 915-8 [12], clause 8.3	m	
DS3	superviseDataSessionReq	ES 202 915-8 [12], clause 8.3	o	
DS4	setDataSessionChargePlan	ES 202 915-8 [12], clause 8.3	o	
DS5	setAdviceOfCharge	ES 202 915-8 [12], clause 8.3	o	
DS6	deassignDataSession	ES 202 915-8 [12], clause 8.3	m	
DS7	continueProcessing	ES 202 915-8 [12], clause 8.3	m	
DS8	setCallbackWithSessionID	ES 202 915-8 [12], 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 202 915-8 [12], clause 8.4	o	
DMI2	createNotifications	ES 202 915-8 [12], clause 8.4	o.2	
DMI3	destroyNotification	ES 202 915-8 [12], clause 8.4	o	
DMI4	changeNotification	ES 202 915-8 [12], clause 8.4	o	
DMI5	getNotification (deprecated)	ES 202 915-8 [12], clause 8.4	o	
DMI6	getNotifications	ES 202 915-8 [12], clause 8.4	o	
DMI7	enableNotifications	ES 202 915-8 [12], clause 8.4	o.2	
DMI8	disableNotifications	ES 202 915-8 [12], clause 8.4	o	

o.2: At least one of these methods shall be supported.

Table G.5: IpDataSession Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
DSI1	connectReq	ES 202 915-8 [12], clause 8.3	o	
DSI2	release	ES 202 915-8 [12], clause 8.3	o	
DSI3	superviseDataSessionReq	ES 202 915-8 [12], clause 8.3	o	
DSI4	setDataSessionChargePlan	ES 202 915-8 [12], clause 8.3	o	
DSI5	setAdviceOfCharge	ES 202 915-8 [12], clause 8.3	o	
DSI6	deassignDataSession	ES 202 915-8 [12], clause 8.3	o	
DSI7	continueProcessing	ES 202 915-8 [12], 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 202 915-8 [12], clause 8.2	m	
A12	IpAppDataSession	ES 202 915-8 [12], clause 8.1	o	

G.6.3 Methods Implemented

Table G.7: IpAppDataSessionControlManager Methods

Prerequisite: G.6/A11

Item	Methods: Is the method implemented?	Reference	Status	Support
ADM1	dataSessionAborted	ES 202 915-8 [12], clause 8.2	o	
ADM2	reportNotification	ES 202 915-8 [12], clause 8.2	m	
ADM3	dataSessionNotificationContinued	ES 202 915-8 [12], clause 8.2	o	
ADM4	dataSessionNotificationInterrupted	ES 202 915-8 [12], 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 202 915-8 [12], clause 8.1	c.3	
ADS2	connecter	ES 202 915-8 [12], clause 8.1	o	
ADS3	superviseDataSessionRes	ES 202 915-8 [12], clause 8.1	c.4	
ADS4	superviseDataSessionErr	ES 202 915-8 [12], clause 8.1	o	
ADS5	dataSessionFaultDetected	ES 202 915-8 [12], clause 8.1	o	
c.3:	m if G.3/DSI1 supported, else N/A.			
c.4:	m if G.3/DSI3 supported, else N/A.			

Annex H (normative): ICS proforma for ES 202 915-9 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 202 915-9 [13] 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.

H.1.3 Instructions for completing the ICS proforma

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

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 202 915-9 [13]: "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 202 915-9 [13] 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 202 915-9 [13], clause 8.1	m	
I2	IpMailbox	ES 202 915-9 [13], clause 8.3	m	
I3	IpMailboxFolder	ES 202 915-9 [13], clause 8.4	m	
I4	IpMessage	ES 202 915-9 [13], 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 202 915-9 [13], clause 8.1	o.1	
MM2	enableMessagingNotification	ES 202 915-9 [13], clause 8.1	o.1	
MM3	disableMessagingNotification	ES 202 915-9 [13], clause 8.1	c.1	
MM4	setCallback	ES 202 915-9 [13], 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 202 915-9 [13], clause 8.3	o.2	
MB2	lock	ES 202 915-9 [13], clause 8.3	o.2	
MB3	unlock	ES 202 915-9 [13], clause 8.3	o.2	
MB4	getInfoAmount	ES 202 915-9 [13], clause 8.3	o.2	
MB5	getInfoProperties	ES 202 915-9 [13], clause 8.3	o.2	
MB6	setInfoProperties	ES 202 915-9 [13], clause 8.3	o.2	
MB7	openFolder	ES 202 915-9 [13], clause 8.3	o.2	
MB8	createFolder	ES 202 915-9 [13], clause 8.3	o.2	
MB9	remove	ES 202 915-9 [13], clause 8.3	o.2	
MB10	setCallbackWithSessionID	ES 202 915-9 [13], 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 202 915-9 [13], clause 8.4	o.3	
MF2	getInfoProperties	ES 202 915-9 [13], clause 8.4	o.3	
MF3	setInfoProperties	ES 202 915-9 [13] clause 8.4	o.3	
MF4	putMessage	ES 202 915-9 [13], clause 8.4	o.3	
MF5	getMessage	ES 202 915-9 [13] clause 8.4	o.3	
MF6	close	ES 202 915-9 [13], clause 8.4	o.3	
MF7	remove	ES 202 915-9 [13] clause 8.4	o.3	
MF8	setCallbackWithSessionID	ES 202 915-9 [13], 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 202 915-9 [13], clause 8.5	o.4	
MSG2	getInfoProperties	ES 202 915-9 [13], clause 8.5	o.4	
MSG3	remove	ES 202 915-9 [13], clause 8.5	o.4	
MSG4	setCallbackWithSessionID	ES 202 915-9 [13], 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 202 915-9 [13], clause 8.1	o.5	
MMI2	enableMessagingNotification	ES 202 915-9 [13], clause 8.1	o.5	
MMI3	disableMessagingNotification	ES 202 915-9 [13], 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 202 915-9 [13], clause 8.3	o	
MBI2	lock	ES 202 915-9 [13], clause 8.3	o	
MBI3	unlock	ES 202 915-9 [13], clause 8.3	o	
MBI4	getInfoAmount	ES 202 915-9 [13], clause 8.3	o	
MBI5	getInfoProperties	ES 202 915-9 [13], clause 8.3	o	
MBI6	setInfoProperties	ES 202 915-9 [13], clause 8.3	o	
MBI7	openFolder	ES 202 915-9 [13], clause 8.3	o	
MBI8	createFolder	ES 202 915-9 [13], clause 8.3	o	
MBI9	remove	ES 202 915-9 [13], 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 202 915-9 [13], clause 8.4	o	
MF12	getInfoProperties	ES 202 915-9 [13], clause 8.4	o	
MF13	setInfoProperties	ES 202 915-9 [13], clause 8.4	o	
MF14	putMessage	ES 202 915-9 [13], clause 8.4	o	
MF15	getMessage	ES 202 915-9 [13], clause 8.4	o	
MF16	close	ES 202 915-9 [13], clause 8.4	o	
MF17	remove	ES 202 915-9 [13], clause 8.4	o	

Table H.9: IpMessage Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
MSG11	getInfoAmount	ES 202 915-9 [13], clause 8.5	o	
MSG12	getInfoProperties	ES 202 915-9 [13], clause 8.5	o	
MSG13	remove	ES 202 915-9 [13], 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 202 915-9 [13], 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 202 915-9 [13], clause 8.2	o	
AMM2	mailboxFaultDetected	ES 202 915-9 [13], clause 8.2	o	
AMM3	messagingEventNotify	ES 202 915-9 [13], clause 8.2	c.3	
AMM4	messagingNotificationTerminated	ES 202 915-9 [13], clause 8.2	o	
c.3: m if H.6/MMI2 supported, else N/A.				

Annex I (normative): ICS proforma for ES 202 915-10 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 202 915-10 [14] 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.

I.1.3 Instructions for completing the ICS proforma

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

1.2 Identification of the implementation

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

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

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

1.2.1 Date of the statement

.....

1.2.2 Implementation under test identification

IUT name:

.....

IUT version:

.....

1.2.3 System under test identification

SUT name:

.....

Hardware configuration:

.....

Operating system:

.....

1.2.4 PICS contact person

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

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

I.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 202 915-10 [14]: "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 202 915-10 [14] 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 202 915-10 [14], clause 8.1	m	
I2	IpQoSMenu	ES 202 915-10 [14], clause 8.4	m	
I3	IpQoSTemplate	ES 202 915-10 [14], clause 8.5	m	
I4	IpEnterpriseNetwork	ES 202 915-10 [14], clause 8.2	m	
I5	IpVPrN	ES 202 915-10 [14], clause 8.6	m	
I6	IpVPrP	ES 202 915-10 [14], clause 8.7	m	
I7	IpEnterpriseNetworkSite	ES 202 915-10 [14], 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 202 915-10 [14], clause 8.1	o.1	
CM2	getEnterpriseNetwork	ES 202 915-10 [14], clause 8.1	o.1	
CM3	setCallback	ES 202 915-10 [14], clause 8.1	m	
o.1: It is mandatory to support at least one of these items.				

Table I.3: IpQoSMenu Methods

Prerequisite: I.1/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
QM1	getTemplate	ES 202 915-10 [14], clause 8.4	o.2	
QM2	getTemplateList	ES 202 915-10 [14], clause 8.4	o.2	
QM3	setCallback	ES 202 915-10 [14], clause 8.4	m	
o.2: It is mandatory to support at least one of these items.				

Table I.4: IpQoSTemplate Methods

Prerequisite: I.1/I3

Item	Methods: Is the method implemented?	Reference	Status	Support
QT1	getTemplateType	ES 202 915-10 [14], clause 8.5	o.3	
QT2	getDescription	ES 202 915-10 [14], clause 8.5	o.3	
QT3	getSlalD	ES 202 915-10 [14], clause 8.5	o.3	
QT4	getPipeQoSInfo	ES 202 915-10 [14], clause 8.5	o.3	
QT5	setPipeQoSInfo	ES 202 915-10 [14], clause 8.5	o.3	
QT6	getValidityInfo	ES 202 915-10 [14], clause 8.5	o.3	
QT7	setValidityInfo	ES 202 915-10 [14], clause 8.5	o.3	
QT8	setProvisionedQoSInfo	ES 202 915-10 [14], clause 8.5	o.3	
QT9	getProvisionedQoSInfo	ES 202 915-10 [14], clause 8.5	o.3	
QT10	getDsCodePoint	ES 202 915-10 [14], clause 8.5	o.3	
QT11	setCallback	ES 202 915-10 [14], clause 8.5	m	
o.3: It is mandatory to support at least one of these items.				

Table I.5: IpEnterpriseNetwork Methods

Prerequisite: I.1/I4

Item	Methods: Is the method implemented?	Reference	Status	Support
EN1	getSiteList	ES 202 915-10 [14], clause 8.2	o.4	
EN2	getIVPrN	ES 202 915-10 [14], clause 8.2	o.4	
EN3	getSite	ES 202 915-10 [14], clause 8.2	o.4	
EN4	setCallback	ES 202 915-10 [14], clause 8.2	m	
o.4: It is mandatory to support at least one of these items.				

Table I.6: IpVPrN Methods

Prerequisite: I.1/I5

Item	Methods: Is the method implemented?	Reference	Status	Support
VPN1	getVPrPList	ES 202 915-10 [14], clause 8.6	o.5	
VPN2	getVPrP	ES 202 915-10 [14], clause 8.6	o.5	
VPN3	createVPrP	ES 202 915-10 [14], clause 8.6	o.5	
VPN4	deleteVPrP	ES 202 915-10 [14], clause 8.6	o.5	
VPN5	setCallback	ES 202 915-10 [14], clause 8.6	m	
o.5: It is mandatory to support at least one of these items.				

Table I.7: IpVPrP Methods

Prerequisite: I.1/I6

Item	Methods: Is the method implemented?	Reference	Status	Support
VPP1	getVPrPID	ES 202 915-10 [14], clause 8.7	o.6	
VPP2	getSlalD	ES 202 915-10 [14], clause 8.7	o.6	
VPP3	getStatus	ES 202 915-10 [14], clause 8.7	o.6	
VPP4	getProvisionedQoSInfo	ES 202 915-10 [14], clause 8.7	o.6	
VPP5	getValidityInfo	ES 202 915-10 [14], clause 8.7	o.6	
VPP6	getPipeQoSInfo	ES 202 915-10 [14], clause 8.7	o.6	
VPP7	getDsCodePoint	ES 202 915-10 [14], clause 8.7	o.6	
VPP8	setCallback	ES 202 915-10 [14], clause 8.7	m	
o.6: It is mandatory to support at least one of these items.				

Table I.8: IpEnterpriseNetworkSite Methods

Prerequisite: I.1/I7

Item	Methods: Is the method implemented?	Reference	Status	Support
ENS1	getSAPList	ES 202 915-10 [14], clause 8.3	o.7	
ENS2	getSiteID	ES 202 915-10 [14], clause 8.3	o.7	
ENS3	getSiteLocation	ES 202 915-10 [14], clause 8.3	o.7	
ENS4	getSiteDescription	ES 202 915-10 [14], clause 8.3	o.7	
ENS5	getIPSubnet	ES 202 915-10 [14], clause 8.3	o.7	
ENS6	getSAPIPSubnet	ES 202 915-10 [14], clause 8.3	o.7	
ENS7	setCallback	ES 202 915-10 [14], clause 8.3	m	
o.7: It is mandatory to support at least one of these items.				

Annex J (normative): ICS proforma for ES 202 915-11 Account Management SCF

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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 202 915-11 [15] 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.

J.1.3 Instructions for completing the ICS proforma

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

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 202 915-11 [15]: "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 202 915-11 [15] 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 202 915-11 [15], 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 202 915-11 [15], clause 8.1	o.1	
AM2	destroyNotification	ES 202 915-11 [15], clause 8.1	c.1	
AM3	queryBalanceReq	ES 202 915-11 [15], clause 8.1	o.1	
AM4	changeNotification	ES 202 915-11 [15], clause 8.1	o	
AM5	getNotification	ES 202 915-11 [15], clause 8.1	o	
AM6	enableNotifications	ES 202 915-11 [15], clause 8.1	o.1	
AM7	disableNotifications	ES 202 915-11 [15], clause 8.1	c.2	
AM8	retrieveTransactionHistoryReq	ES 202 915-11 [15], clause 8.1	o.1	
AM9	setCallback	ES 202 915-11 [15], 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.				
c.2: m, if AM6 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 202 915-11 [15], clause 8.1	o.2	
AMI2	destroyNotification	ES 202 915-11 [15], clause 8.1	o	
AMI3	queryBalanceReq	ES 202 915-11 [15], clause 8.1	o.2	
AMI4	changeNotification	ES 202 915-11 [15], clause 8.1	o	
AMI5	getNotification	ES 202 915-11 [15], clause 8.1	o	
AMI6	retrieveTransactionHistoryReq	ES 202 915-11 [15], clause 8.1	o.2	
AMI7	enableNotifications	ES 202 915-11 [15], clause 8.1	o.2	
AMI8	disableNotifications	ES 202 915-11 [15], clause 8.1	o	
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
A11	IpAppAccountManager	ES 202 915-11 [15], 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 202 915-11 [15], clause 8.2	c.3	
AAM2	queryBalanceRes	ES 202 915-11 [15], clause 8.2	c.4	
AAM3	queryBalanceErr	ES 202 915-11 [15], clause 8.2	o	
AAM4	retrieveTransactionHistoryRes	ES 202 915-11 [15], clause 8.2	c.5	
AAM5	retrieveTransactionHistoryErr	ES 202 915-11 [15], clause 8.2	o	
c.3: m if J.3/AMI1 or J.3/AMI7 supported, else N/A.				
c.4: m if J.3/AMI3 supported, else N/A.				
c.5: m if J.3/AMI6 supported, else N/A.				

Annex K (normative): ICS proforma for ES 202 915-12 Charging SCF

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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 202 915-12 [16] 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.

K.1.3 Instructions for completing the ICS proforma

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

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 202 915-12 [16]: "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 202 915-12 [16] 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 202 915-12 [16], clause 5.1	o.1	
MC2	Direct charging	ES 202 915-12 [16], 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 202 915-12 [16], clause 8.1	m	
I2	IpChargingSession	ES 202 915-12 [16], 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 202 915-12 [16], clause 8.1	o.2	
CM2	setCallback	ES 202 915-12 [16], clause 7.1.4	m	
CM3	createSplitChargingSession	ES 202 915-12 [16], clause 8.1	o.2	
o.2: It is mandatory to support at least one of these items.				

Table K.4: IpChargingSession Methods

Prerequisite: K.2/I2

Item	Methods: Is the method implemented?	Reference	Status	Support
CS1	creditAmountReq	ES 202 915-12 [16], clause 8.3	c.4	
CS2	creditUnitReq	ES 202 915-12 [16], clause 8.3	c.5	
CS3	debitAmountReq	ES 202 915-12 [16], clause 8.3	c.4	
CS4	debitUnitReq	ES 202 915-12 [16], clause 8.3	c.5	
CS5	directCreditAmountReq	ES 202 915-12 [16], clause 8.3	c.3	
CS6	directCreditUnitReq	ES 202 915-12 [16], clause 8.3	c.3	
CS7	directDebitAmountReq	ES 202 915-12 [16], clause 8.3	c.3	
CS8	directDebitUnitReq	ES 202 915-12 [16], clause 8.3	c.3	
CS9	extendLifeTimeReq	ES 202 915-12 [16], clause 8.3	c.1	
CS10	getAmountLeft	ES 202 915-12 [16], clause 8.3	c.6	
CS11	getLifeTimeLeft	ES 202 915-12 [16], clause 8.3	c.1	
CS12	getUnitLeft	ES 202 915-12 [16], clause 8.3	c.7	
CS13	rateReq	ES 202 915-12 [16], clause 8.3	o	
CS14	release	ES 202 915-12 [16], clause 8.3	m	
CS15	reserveAmountReq	ES 202 915-12 [16], clause 8.3	c.2	
CS16	reserveUnitReq	ES 202 915-12 [16], clause 8.3	c.2	
CS17	setCallbackWithSessionID	ES 202 915-12 [16], 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 202 915-12 [16], clause 5.1	o.3	
MCA2	Direct charging	ES 202 915-12 [16], clause 5.2	o.3	
o.3: 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 202 915-12 [16], clause 8.1	o.4	
CMI2	createSplitChargingSession	ES 202 915-12 [16], clause 8.1	o.4	
o.4: It is mandatory to support at least one of these items.				

Table K.7: IpChargingSession Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
CSI1	creditAmountReq	ES 202 915-12 [16], clause 8.3	o	
CSI2	creditUnitReq	ES 202 915-12 [16], clause 8.3	o	
CSI3	debitAmountReq	ES 202 915-12 [16], clause 8.3	o	
CSI4	debitUnitReq	ES 202 915-12 [16], clause 8.3	o	
CSI5	directCreditAmountReq	ES 202 915-12 [16], clause 8.3	o	
CSI6	directCreditUnitReq	ES 202 915-12 [16], clause 8.3	o	
CSI7	directDebitAmountReq	ES 202 915-12 [16], clause 8.3	o	
CSI8	directDebitUnitReq	ES 202 915-12 [16], clause 8.3	o	
CSI9	extendLifeTimeReq	ES 202 915-12 [16], clause 8.3	o	
CSI10	getAmountLeft	ES 202 915-12 [16], clause 8.3	o	
CSI11	getLifeTimeLeft	ES 202 915-12 [16], clause 8.3	o	
CSI12	getUnitLeft	ES 202 915-12 [16], clause 8.3	o	
CSI13	rateReq	ES 202 915-12 [16], clause 8.3	o	
CSI14	release	ES 202 915-12 [16], clause 8.3	o	
CSI15	reserveAmountReq	ES 202 915-12 [16], clause 8.3	o	
CSI16	reserveUnitReq	ES 202 915-12 [16], 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 202 915-12 [16], clause 8.2	o	
AI2	IpAppChargingSession	ES 202 915-12 [16], 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 202 915-12 [16], 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 202 915-12 [16], clause 8.4	o	
ACS2	creditAmountRes	ES 202 915-12 [16], clause 8.4	c. 8	
ACS3	creditUnitErr	ES 202 915-12 [16], clause 8.4	o	
ACS4	creditUnitRes	ES 202 915-12 [16], clause 8.4	c. 9	
ACS5	debitAmountErr	ES 202 915-12 [16], clause 8.4	o	
ACS6	debitAmountRes	ES 202 915-12 [16], clause 8.4	c. 10	
ACS7	debitUnitErr	ES 202 915-12 [16], clause 8.4	o	
ACS8	debitUnitRes	ES 202 915-12 [16], clause 8.4	c. 11	
ACS9	directCreditAmountErr	ES 202 915-12 [16], clause 8.4	o	
ACS10	directCreditAmountRes	ES 202 915-12 [16], clause 8.4	c. 12	
ACS11	directCreditUnitErr	ES 202 915-12 [16], clause 8.4	o	
ACS12	directCreditUnitRes	ES 202 915-12 [16], clause 8.4	c. 13	
ACS13	directDebitAmountErr	ES 202 915-12 [16], clause 8.4	o	
ACS14	directDebitAmountRes	ES 202 915-12 [16], clause 8.4	c. 14	
ACS15	directDebitUnitErr	ES 202 915-12 [16], clause 8.4	o	
ACS16	directDebitUnitRes	ES 202 915-12 [16], clause 8.4	c. 15	
ACS17	extendLifeTimeErr	ES 202 915-12 [16], clause 8.4	o	
ACS18	extendLifeTimeRes	ES 202 915-12 [16], clause 8.4	c. 16	
ACS19	rateErr	ES 202 915-12 [16], clause 8.4	o	
ACS20	rateRes	ES 202 915-12 [16], clause 8.4	c. 17	
ACS21	reserveAmountErr	ES 202 915-12 [16], clause 8.4	o	
ACS22	reserveAmountRes	ES 202 915-12 [16], clause 8.4	c. 18	
ACS23	reserveUnitErr	ES 202 915-12 [16], clause 8.4	o	
ACS24	reserveUnitRes	ES 202 915-12 [16], clause 8.4	c. 19	
ACS25	sessionEnded	ES 202 915-12 [16], 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.			

Annex L (normative): ICS proforma for ES 202 915-13 Policy Management SCF

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--

L.1 Guidance for completing the ICS proforma

L.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 202 915-13 [17] 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.

L.1.2 Abbreviations and conventions

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

L.1.3 Instructions for completing the ICS proforma

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

L.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.

L.2.1 Date of the statement

.....

L.2.2 Implementation under test identification

IUT name:

.....

IUT version:

.....

L.2.3 System under test identification

SUT name:

.....

Hardware configuration:

.....

Operating system:

.....

L.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:

.....

.....

.....

L.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 202 915-13 [17]: "Open Service Access (OSA); Application Programming Interface (API); Part 13: Policy Management SCF".

L.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 202 915-13 [17] 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.

L.5 Policy Management SCF Functionalities

This clause contains the ICS proforma tables related to the Presence and Availability Management SCF functionalities.

L.5.1 Interfaces Implemented

Table L.1: Interfaces for Policy management

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
I1	IpPolicyManager	ES 202 915-13 [17], clause 8.1	m	
I2	IpPolicy	ES 202 915-13 [17], clause 8.2	m	
I3	IpPolicyDomain	ES 202 915-13 [17], clause 8.3	m	
I4	IpPolicyGroup	ES 202 915-13 [17], clause 8.4	o	
I5	IpPolicyRepository	ES 202 915-13 [17], clause 8.5	m	
I6	IpPolicyRule	ES 202 915-13 [17], clause 8.6	m	
I7	IpPolicyCondition	ES 202 915-13 [17], clause 8.7	m	
I8	IpPolicyTimePeriodCondition	ES 202 915-13 [17], clause 8.8	m	
I9	IpPolicyAction	ES 202 915-13 [17], clause 8.9	m	
I10	IpPolicyEventDefinition	ES 202 915-13 [17], clause 8.10	m	
I11	IpPolicyEventCondition	ES 202 915-13 [17], clause 8.11	m	
I12	IpPolicyExpressionDefinition	ES 202 915-13 [17], clause 8.12	m	
I13	IpPolicyEventAction	ES 202 915-13 [17], clause 8.13	m	
I14	IpPolicyExpressionAction	ES 202 915-13 [17], clause 8.14	m	
I15	IpPolicyIterator	ES 202 915-13 [17], clause 8.15	o	

L.5.2 Methods Implemented

Table L.2: IpPolicyManager Methods

Prerequisite: L.1 /I1

Item	Methods: Is the method implemented?	Reference	Status	Support
PM1	createDomain	ES 202 915-13 [17], clause 8.1.1	c.1	
PM2	getDomain	ES 202 915-13 [17], clause 8.1.2	c.1	
PM3	removeDomain	ES 202 915-13 [17], clause 8.1.3	o	
PM4	getDomainCount	ES 202 915-13 [17], clause 8.1.4	o	
PM5	getDomainIterator	ES 202 915-13 [17], clause 8.1.5	o	
PM6	findMatchingDomain	ES 202 915-13 [17], clause 8.1.6	o	
PM7	createRepository	ES 202 915-13 [17], clause 8.1.7	c.1	
PM8	getRepository	ES 202 915-13 [17], clause 8.1.8	c.1	
PM9	removeRepository	ES 202 915-13 [17], clause 8.1.9	o	
PM10	getRepositoryCount	ES 202 915-13 [17], clause 8.1.10	o	
PM11	getRepositoryIterator	ES 202 915-13 [17], clause 8.1.11	o	
PM12	startTransaction	ES 202 915-13 [17], clause 8.1.12	m	
PM13	commitTransaction	ES 202 915-13 [17], clause 8.1.13	m	
PM14	abortTransaction	ES 202 915-13 [17], clause 8.1.14	m	
c.1: at least one of these shall be supported.				

Table L.3: IpPolicy Methods

Prerequisite: L.1 /I2

Item	Methods: Is the method implemented?	Reference	Status	Support
PO1	getAttribute	ES 202 915-13 [17], clause 8.2.2	c.2	
PO2	setAttribute	ES 202 915-13 [17], clause 8.2.3	o	
PO3	getAttributes	ES 202 915-13 [17], clause 8.2.4	c.2	
PO4	setAttributes	ES 202 915-13 [17], clause 8.2.5	o	
c.2: at least one of these shall be supported.				

Table L.4: IpPolicyDomain Methods

Prerequisite: L.1 /13

Item	Methods: Is the method implemented?	Reference	Status	Support
PD1	getParentDomain	ES 202 915-13 [17], clause 8.3.2	c.3	
PD2	createDomain	ES 202 915-13 [17], clause 8.3.3	c.3	
PD3	getDomain	ES 202 915-13 [17], clause 8.3.4	c.3	
PD4	removeDomain	ES 202 915-13 [17], clause 8.3.5	c.3	
PD5	getDomainCount	ES 202 915-13 [17], clause 8.3.6	c.3	
PD6	getDomainIterator	ES 202 915-13 [17], clause 8.3.7	c.3	
PD7	createGroup	ES 202 915-13 [17], clause 8.3.8	c.3	
PD8	getGroup	ES 202 915-13 [17], clause 8.3.9	c.3	
PD9	removeGroup	ES 202 915-13 [17], clause 8.3.10	c.3	
PD10	getGroupCount	ES 202 915-13 [17], clause 8.3.11	c.3	
PD11	getGroupIterator	ES 202 915-13 [17], clause 8.3.12	c.3	
PD12	createRule	ES 202 915-13 [17], clause 8.3.13	c.3	
PD13	getRule	ES 202 915-13 [17], clause 8.3.14	c.3	
PD14	removeRule	ES 202 915-13 [17], clause 8.3.15	c.3	
PD15	getRuleCount	ES 202 915-13 [17], clause 8.3.16	c.3	
PD16	getRuleIterator	ES 202 915-13 [17], clause 8.3.17	c.3	
PD17	createEventDefinition	ES 202 915-13 [17], clause 8.3.18	c.3	
PD18	getEventDefinition	ES 202 915-13 [17], clause 8.3.19	c.3	
PD19	removeEventDefinition	ES 202 915-13 [17], clause 8.3.20	c.3	
PD20	getEventDefinitionCount	ES 202 915-13 [17], clause 8.3.21	c.3	
PD21	getEventDefinitionIterator	ES 202 915-13 [17], clause 8.3.22	c.3	
PD22	generateEvent	ES 202 915-13 [17], clause 8.3.23	c.3	
PD23	createNotification	ES 202 915-13 [17], clause 8.3.24	c.3	
PD24	destroyNotification	ES 202 915-13 [17], clause 8.3.25	c.3	
PD25	createVariableSet	ES 202 915-13 [17], clause 8.3.26	c.3	
PD26	getVariableSet	ES 202 915-13 [17], clause 8.3.27	c.3	
PD27	removeVariableSet	ES 202 915-13 [17], clause 8.3.28	c.3	
PD28	getVariableSetCount	ES 202 915-13 [17], clause 8.3.29	c.3	
PD29	getVariableSetIterator	ES 202 915-13 [17], clause 8.3.30	c.3	
PD30	setVariable	ES 202 915-13 [17], clause 8.3.31	c.3	
PD31	getVariable	ES 202 915-13 [17], clause 8.3.32	c.3	
PD32	setCallback	ES 202 915-13 [17], clause 7.4.1.1	m	

c.3: at least one of these shall be supported.

Table L.5: IpPolicyGroup Methods

Prerequisite: L.1 /14

Item	Methods: Is the method implemented?	Reference	Status	Support
PG1	getParentDomain	ES 202 915-13 [17], clause 8.4.2	c.4	
PG2	getParentGroup	ES 202 915-13 [17], clause 8.4.3	c.4	
PG3	createGroup	ES 202 915-13 [17], clause 8.4.4	c.4	
PG4	getGroup	ES 202 915-13 [17], clause 8.4.5	c.4	
PG5	removeGroup	ES 202 915-13 [17], clause 8.4.6	c.4	
PG6	getGroupCount	ES 202 915-13 [17], clause 8.4.7	c.4	
PG7	getGroupIterator	ES 202 915-13 [17], clause 8.4.8	c.4	
PG8	createRule	ES 202 915-13 [17], clause 8.4.9	c.4	
PG9	getRule	ES 202 915-13 [17], clause 8.4.10	c.4	
PG10	removeRule	ES 202 915-13 [17], clause 8.4.11	c.4	
PG11	getRuleCount	ES 202 915-13 [17], clause 8.4.12	c.4	
PG12	getRuleIterator	ES 202 915-13 [17], clause 8.4.13	c.4	

c.4: at least one of these shall be supported.

Table L.6: IpPolicyRepository Methods

Prerequisite: L.1 /15

Item	Methods: Is the method implemented?	Reference	Status	Support
PR1	getParentRepository	ES 202 915-13 [17], clause 8.5.2	c.5	
PR2	createRepository	ES 202 915-13 [17], clause 8.5.3	c.5	
PR3	getRepository	ES 202 915-13 [17], clause 8.5.4	c.5	
PR4	removeRepository	ES 202 915-13 [17], clause 8.5.5	c.5	
PR5	getRepositoryCount	ES 202 915-13 [17], clause 8.5.6	c.5	
PR6	getRepositoryIterator	ES 202 915-13 [17], clause 8.5.7	c.5	
PR7	createCondition	ES 202 915-13 [17], clause 8.5.8	c.5	
PR8	getCondition	ES 202 915-13 [17], clause 8.5.9	c.5	
PR9	removeCondition	ES 202 915-13 [17], clause 8.5.10	c.5	
PR10	getConditionCount	ES 202 915-13 [17], clause 8.5.11	c.5	
PR11	getConditionIterator	ES 202 915-13 [17], clause 8.5.12	c.5	
PR12	createAction	ES 202 915-13 [17], clause 8.5.13	c.5	
PR13	getAction	ES 202 915-13 [17], clause 8.5.14	c.5	
PR14	removeAction	ES 202 915-13 [17], clause 8.5.15	c.5	
PR15	getActionCount	ES 202 915-13 [17], clause 8.5.16	c.5	
PR16	getActionIterator	ES 202 915-13 [17], clause 8.5.17	c.5	
c.5: at least one of these shall be supported.				

Table L.7: IpPolicyRule Methods

Prerequisite: L.1 /16

Item	Methods: Is the method implemented?	Reference	Status	Support
PRU1	getParentGroup	ES 202 915-13 [17], clause 8.6.2	c.6	
PRU2	getParentDomain	ES 202 915-13 [17], clause 8.6.3	c.6	
PRU3	createCondition	ES 202 915-13 [17], clause 8.6.4	c.6	
PRU4	getCondition	ES 202 915-13 [17], clause 8.6.5	c.6	
PRU5	removeCondition	ES 202 915-13 [17], clause 8.6.6	c.6	
PRU6	getConditionCount	ES 202 915-13 [17], clause 8.6.7	c.6	
PRU7	getConditionIterator	ES 202 915-13 [17], clause 8.6.8	c.6	
PRU8	createAction	ES 202 915-13 [17], clause 8.6.9	c.6	
PRU9	getAction	ES 202 915-13 [17], clause 8.6.10	c.6	
PRU10	removeAction	ES 202 915-13 [17], clause 8.6.11	c.6	
PRU11	getActionCount	ES 202 915-13 [17], clause 8.6.12	c.6	
PRU12	getActionIterator	ES 202 915-13 [17], clause 8.6.13	c.6	
PRU13	setValidityPeriodConditionByName	ES 202 915-13 [17], clause 8.6.14	c.6	
PRU14	setValidityPeriodCondition	ES 202 915-13 [17], clause 8.6.15	c.6	
PRU15	getValidityPeriodCondition	ES 202 915-13 [17], clause 8.6.16	c.6	
PRU16	unsetValidityPeriodCondition	ES 202 915-13 [17], clause 8.6.17	c.6	
PRU17	setConditionList	ES 202 915-13 [17], clause 8.6.18	c.6	
PRU18	getConditionList	ES 202 915-13 [17], clause 8.6.19	c.6	
PRU19	setActionList	ES 202 915-13 [17], clause 8.6.20	c.6	
PRU20	getActionList	ES 202 915-13 [17], clause 8.6.21	c.6	
c.6: at least one of these shall be supported.				

Table L.8: IpPolicyCondition Methods

Prerequisite: L.1 /17

Item	Methods: Is the method implemented?	Reference	Status	Support
PC1	getParentRepository	ES 202 915-13 [17], clause 8.7.2	c.7	
PC2	getParentRule	ES 202 915-13 [17], clause 8.7.3	c.7	
c.7: at least one of these shall be supported.				

Table L.9: IpPolicyAction Methods

Prerequisite: L.1 /I9

Item	Methods: Is the method implemented?	Reference	Status	Support
PA1	getParentRepository	ES 202 915-13 [17], clause 8.9.2	c.8	
PA2	getParentRule	ES 202 915-13 [17], clause 8.9.3	c.8	
c.8: at least one of these shall be supported.				

Table L.10: IpPolicyEventDefinition Methods

Prerequisite: L.1 /I10

Item	Methods: Is the method implemented?	Reference	Status	Support
PE1	setRequiredAttributes	ES 202 915-13 [17], clause 8.10.2	o	
PE2	setOptionalAttributes	ES 202 915-13 [17], clause 8.10.3	o	
PE3	getRequiredAttributes	ES 202 915-13 [17], clause 8.10.3	c.9	
PE4	getOptionalAttributes	ES 202 915-13 [17], clause 8.10.4	c.9	
PE5	getParentDomain	ES 202 915-13 [17], clause 8.10.5	c.9	
c.9: at least one of these shall be supported.				

Table L.11: IpPolicyIterator Methods

Prerequisite: L.1 /I15

Item	Methods: Is the method implemented?	Reference	Status	Support
PI1	getList	ES 202 915-13 [17], clause 8.15.2	m	

L.6 Functionalities of Applications using Policy Management SCF

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

L.6.1 SCF Methods Required by the Application

Table L.12: IpPolicyManager Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PMI1	createDomain	ES 202 915-13 [17], clause 8.1.1	o	
PMI2	getDomain	ES 202 915-13 [17], clause 8.1.2	o	
PMI3	removeDomain	ES 202 915-13 [17], clause 8.1.3	o	
PMI4	getDomainCount	ES 202 915-13 [17], clause 8.1.4	o	
PMI5	getDomainIterator	ES 202 915-13 [17], clause 8.1.5	o	
PMI6	findMatchingDomain	ES 202 915-13 [17], clause 8.1.6	o	
PMI7	createRepository	ES 202 915-13 [17], clause 8.1.7	o	
PMI8	getRepository	ES 202 915-13 [17], clause 8.1.8	o	
PMI9	removeRepository	ES 202 915-13 [17], clause 8.1.9	o	
PMI10	getRepositoryCount	ES 202 915-13 [17], clause 8.1.10	o	
PMI11	getRepositoryIterator	ES 202 915-13 [17], clause 8.1.11	o	
PMI12	startTransaction	ES 202 915-13 [17], clause 8.1.12	m	
PMI13	commitTransaction	ES 202 915-13 [17], clause 8.1.13	m	
PMI14	abortTransaction	ES 202 915-13 [17], clause 8.1.14	o	

Table L.13: IpPolicy Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
POI1	getAttribute	ES 202 915-13 [17], clause 8.2.2	o	
POI2	setAttribute	ES 202 915-13 [17], clause 8.2.3	o	
POI3	getAttributes	ES 202 915-13 [17], clause 8.2.4	o	
POI4	setAttributes	ES 202 915-13 [17], clause 8.2.5	o	

Table L.14: IpPolicyDomain Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PDI1	getParentDomain	ES 202 915-13 [17], clause 8.3.2	o	
PDI2	createDomain	ES 202 915-13 [17], clause 8.3.3	o	
PDI3	getDomain	ES 202 915-13 [17], clause 8.3.4	o	
PDI4	removeDomain	ES 202 915-13 [17], clause 8.3.5	o	
PDI5	getDomainCount	ES 202 915-13 [17], clause 8.3.6	o	
PDI6	getDomainIterator	ES 202 915-13 [17], clause 8.3.7	o	
PDI7	createGroup	ES 202 915-13 [17], clause 8.3.8	o	
PDI8	getGroup	ES 202 915-13 [17], clause 8.3.9	o	
PDI9	removeGroup	ES 202 915-13 [17], clause 8.3.10	o	
PDI10	getGroupCount	ES 202 915-13 [17], clause 8.3.11	o	
PDI11	getGroupIterator	ES 202 915-13 [17], clause 8.3.12	o	
PDI12	createRule	ES 202 915-13 [17], clause 8.3.13	o	
PDI13	getRule	ES 202 915-13 [17], clause 8.3.14	o	
PDI14	removeRule	ES 202 915-13 [17], clause 8.3.15	o	
PDI15	getRuleCount	ES 202 915-13 [17], clause 8.3.16	o	
PDI16	getRuleIterator	ES 202 915-13 [17], clause 8.3.17	o	
PDI17	createEventDefinition	ES 202 915-13 [17], clause 8.3.18	o	
PDI18	getEventDefinition	ES 202 915-13 [17], clause 8.3.19	o	
PDI19	removeEventDefinition	ES 202 915-13 [17], clause 8.3.20	o	
PDI20	getEventDefinitionCount	ES 202 915-13 [17], clause 8.3.21	o	
PDI21	getEventDefinitionIterator	ES 202 915-13 [17], clause 8.3.22	o	
PDI22	generateEvent	ES 202 915-13 [17], clause 8.3.23	o	
PDI23	createNotification	ES 202 915-13 [17], clause 8.3.24	o	
PDI24	destroyNotification	ES 202 915-13 [17], clause 8.3.25	o	
PDI25	createVariableSet	ES 202 915-13 [17], clause 8.3.26	o	
PDI26	getVariableSet	ES 202 915-13 [17], clause 8.3.27	o	
PDI27	removeVariableSet	ES 202 915-13 [17], clause 8.3.28	o	
PDI28	getVariableSetCount	ES 202 915-13 [17], clause 8.3.29	o	
PDI29	getVariableSetIterator	ES 202 915-13 [17], clause 8.3.30	o	
PDI30	setVariable	ES 202 915-13 [17], clause 8.3.31	o	
PDI31	getVariable	ES 202 915-13 [17], clause 8.3.32	o	

Table L.15: IpPolicyGroup Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PGI1	getParentDomain	ES 202 915-13 [17], clause 8.4.2	o	
PGI2	getParentGroup	ES 202 915-13 [17], clause 8.4.3	o	
PGI3	createGroup	ES 202 915-13 [17], clause 8.4.4	o	
PGI4	getGroup	ES 202 915-13 [17], clause 8.4.5	o	
PGI5	removeGroup	ES 202 915-13 [17], clause 8.4.6	o	
PGI6	getGroupCount	ES 202 915-13 [17], clause 8.4.7	o	
PGI7	getGroupIterator	ES 202 915-13 [17], clause 8.4.8	o	
PGI8	createRule	ES 202 915-13 [17], clause 8.4.9	o	
PGI9	getRule	ES 202 915-13 [17], clause 8.4.10	o	
PGI10	removeRule	ES 202 915-13 [17], clause 8.4.11	o	
PGI11	getRuleCount	ES 202 915-13 [17], clause 8.4.12	o	
PGI12	getRuleIterator	ES 202 915-13 [17], clause 8.4.13	o	

Table L.16: IpPolicyRepository Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PRI1	getParentRepository	ES 202 915-13 [17], clause 8.5.2	o	
PRI2	createRepository	ES 202 915-13 [17], clause 8.5.3	o	
PRI3	getRepository	ES 202 915-13 [17], clause 8.5.4	o	
PRI4	removeRepository	ES 202 915-13 [17], clause 8.5.5	o	
PRI5	getRepositoryCount	ES 202 915-13 [17], clause 8.5.6	o	
PRI6	getRepositoryIterator	ES 202 915-13 [17], clause 8.5.7	o	
PRI7	createCondition	ES 202 915-13 [17], clause 8.5.8	o	
PRI8	getCondition	ES 202 915-13 [17], clause 8.5.9	o	
PRI9	removeCondition	ES 202 915-13 [17], clause 8.5.10	o	
PRI10	getConditionCount	ES 202 915-13 [17], clause 8.5.11	o	
PRI11	getConditionIterator	ES 202 915-13 [17], clause 8.5.12	o	
PRI12	createAction	ES 202 915-13 [17], clause 8.5.13	o	
PRI13	getAction	ES 202 915-13 [17], clause 8.5.14	o	
PRI14	removeAction	ES 202 915-13 [17], clause 8.5.15	o	
PRI15	getActionCount	ES 202 915-13 [17], clause 8.5.16	o	
PRI16	getActionIterator	ES 202 915-13 [17], clause 8.5.17	o	

Table L.17: IpPolicyRule Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PRUI1	getParentGroup	ES 202 915-13 [17], clause 8.6.2	o	
PRUI2	getParentDomain	ES 202 915-13 [17], clause 8.6.3	o	
PRUI3	createCondition	ES 202 915-13 [17], clause 8.6.4	o	
PRUI4	getCondition	ES 202 915-13 [17], clause 8.6.5	o	
PRUI5	removeCondition	ES 202 915-13 [17], clause 8.6.6	o	
PRUI6	getConditionCount	ES 202 915-13 [17], clause 8.6.7	o	
PRUI7	getConditionIterator	ES 202 915-13 [17], clause 8.6.8	o	
PRUI8	createAction	ES 202 915-13 [17], clause 8.6.9	o	
PRUI9	getAction	ES 202 915-13 [17], clause 8.6.10	o	
PRUI10	removeAction	ES 202 915-13 [17], clause 8.6.11	o	
PRUI11	getActionCount	ES 202 915-13 [17], clause 8.6.12	o	
PRUI12	getActionIterator	ES 202 915-13 [17], clause 8.6.13	o	
PRUI13	setValidityPeriodConditionByName	ES 202 915-13 [17], clause 8.6.14	o	
PRUI14	setValidityPeriodCondition	ES 202 915-13 [17], clause 8.6.15	o	
PRUI15	getValidityPeriodCondition	ES 202 915-13 [17], clause 8.6.16	o	
PRUI16	unsetValidityPeriodCondition	ES 202 915-13 [17], clause 8.6.17	o	
PRUI17	setConditionList	ES 202 915-13 [17], clause 8.6.18	o	
PRUI18	getConditionList	ES 202 915-13 [17], clause 8.6.19	o	
PRUI19	setActionList	ES 202 915-13 [17], clause 8.6.20	o	
PRUI20	getActionList	ES 202 915-13 [17], clause 8.6.21	o	

Table L.18: IpPolicyCondition Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PCI1	getParentRepository	ES 202 915-13 [17], clause 8.7.2	o	
PCI2	getParentRule	ES 202 915-13 [17], clause 8.7.3	o	

Table L.19: IpPolicyAction Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PAI1	getParentRepository	ES 202 915-13 [17], clause 8.9.2	o	
PAI2	getParentRule	ES 202 915-13 [17], clause 8.9.3	o	

Table L.20: IpPolicyEventDefinition Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PEI1	setRequiredAttributes	ES 202 915-13 [17], clause 8.10.2	o	
PEI2	setOptionalAttributes	ES 202 915-13 [17], clause 8.10.3	o	
PEI3	getRequiredAttributes	ES 202 915-13 [17], clause 8.10.3	o	
PEI4	getOptionalAttributes	ES 202 915-13 [17], clause 8.10.4	o	
PEI5	getParentDomain	ES 202 915-13 [17], clause 8.10.5	o	

Table L.21: IpPolicyIterator Methods

Item	Methods: Is the application capable of invoking the following methods?	Reference	Status	Support
PII1	getList	ES 202 915-13 [17], clause 8.15.2	o	

L.6.2 Interfaces Implemented

Table L.22: Interfaces

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
AI1	IpAppPolicyDomain	ES 202 915-13 [17], clause 8.16	c.10	
c.10:	m, if .L14 /PDI23 supported, else o.			

L.6.3 Methods Implemented

Table L.23: IpAppPolicyDomain Methods

Prerequisite: L.22 /AI1

Item	Methods: Is the method implemented?	Reference	Status	Support
APD1	reportNotification	ES 202 915-13 [17], clause 8.16.1	m	

Annex M (normative): ICS proforma for ES 202 915-14 Presence and Availability 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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M.1 Guidance for completing the ICS proforma

M.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 202 915-14 [18] 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.

M.1.2 Abbreviations and conventions

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

M.1.3 Instructions for completing the ICS proforma

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

M.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.

M.2.1 Date of the statement

.....

M.2.2 Implementation under test identification

IUT name:

.....

.....

IUT version:

.....

M.2.3 System under test identification

SUT name:

.....

.....

Hardware configuration:

.....

.....

.....

Operating system:

.....

M.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:

.....

.....

.....

M.3 Identification of the protocol

This ICS proforma applies to the following standard:

- ES 202 915-14 [18]: "Open Service Access (OSA); Application Programming Interface (API); Part 14: Presence and Availability Management SCF".

M.4 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the ES 202 915-14 [18] 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.

M.5 Presence and Availability Management SCF Functionalities

This clause contains the ICS proforma tables related to the Presence and Availability Management SCF functionalities.

M.5.1 Major capabilities

Table M.1: Major capabilities

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
MC1	PAM Provisioning Service	ES 202 915-14 [18], clause 6.1	o.1	
MC2	PAM Access Service	ES 202 915-14 [18], clause 6.2	o.1	
MC3	PAM EventManagement Service	ES 202 915-14 [18], clause 6.3	o.1	
o.1: At least one of these services shall be supported.				

M.5.2 PAM Provisioning

M.5.2.1 Interfaces Implemented for PAM Provisioning Service

Prerequisite: M.1 /MC1

Table M.2: Interfaces for PAM Provisioning Service

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
P_I1	IpPAMProvisioningManager	ES 202 915-14 [18], clause 8.1	m	
P_I2	IpPAMIdentityManagement	ES 202 915-14 [18], clause 8.2	o.2	
P_I3	IpPAMAgentManagement	ES 202 915-14 [18], clause 8.3	o.2	
P_I4	IpPAMAgentAssignment	ES 202 915-14 [18], clause 8.4	o.2	
P_I5	IpPAMIdentityTypeManagement	ES 202 915-14 [18], clause 8.5	o.2	
P_I6	IpPAMAgentTypeManagement	ES 202 915-14 [18], clause 8.6	o.2	
P_I7	IpPAMCapabilityManagement	ES 202 915-14 [18], clause 8.7	o.2	
o.2: At least one of these interfaces shall be supported.				

M.5.2.2 Methods Implemented for PAM Provisioning Service

Prerequisite: M.1 /MC1

Table M.3: IpPAMProvisioningManager Methods

Prerequisite: M.2 /P_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
P_PM_M1	getAuthToken	ES 202 915-14 [18], clause 8.1.1.1	m	
P_PM_M2	obtainInterface	ES 202 915-14 [18], clause 8.1.1.2	m	
P_PM_M3	getAccessControl	ES 202 915-14 [18], clause 8.1.1.3	m	
P_PM_M4	setAccessControl	ES 202 915-14 [18], clause 8.1.1.4	m	

Table M.4: IpPAMIdentityManagement Methods

Prerequisite: M.2 /P_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
P_IM_M1	createIdentity	ES 202 915-14 [18], clause 8.1.2.1	m	
P_IM_M2	deleteIdentity	ES 202 915-14 [18], clause 8.1.2.2	m	
P_IM_M3	isIdentity	ES 202 915-14 [18], clause 8.1.2.3	m	
P_IM_M4	createGroupIdentity	ES 202 915-14 [18], clause 8.1.2.4	m	
P_IM_M5	deleteGroupIdentity	ES 202 915-14 [18], clause 8.1.2.5	m	
P_IM_M6	addToGroup	ES 202 915-14 [18], clause 8.1.2.6	m	
P_IM_M7	removeFromGroup	ES 202 915-14 [18], clause 8.1.2.7	m	
P_IM_M8	listMembers	ES 202 915-14 [18], clause 8.1.2.8	m	
P_IM_M9	isGroupIdentity	ES 202 915-14 [18], clause 8.1.2.9	m	
P_IM_M10	listGroupMembership	ES 202 915-14 [18], clause 8.1.2.10	m	
P_IM_M11	addAlias	ES 202 915-14 [18], clause 8.1.2.11	m	
P_IM_M12	RemoveAliases	ES 202 915-14 [18], clause 8.1.2.12	m	
P_IM_M13	listAliases	ES 202 915-14 [18], clause 8.1.2.13.	m	
P_IM_M14	lookupByAlias	ES 202 915-14 [18], clause 8.1.2.14	m	
P_IM_M15	associateTypes	ES 202 915-14 [18], clause 8.1.2.15	m	
P_IM_M16	disassociatesTypes	ES 202 915-14 [18], clause 8.1.2.16	m	
P_IM_M17	listTypesOfIdentity	ES 202 915-14 [18], clause 8.1.2.17	m	
P_IM_M18	hasType	ES 202 915-14 [18], clause 8.1.2.18	m	
P_IM_M19	getIdentityAttributes	ES 202 915-14 [18], clause 8.1.2.19	m	
P_IM_M20	setIdentityAttributes	ES 202 915-14 [18], clause 8.1.2.20	m	

Table M.5: IpPAMAgentManagement Methods

Prerequisite: M.2 /P_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
P_AM_M1	createAgent	ES 202 915-14 [18], clause 8.1.3.1	m	
P_AM_M2	deleteAgent	ES 202 915-14 [18], clause 8.1.3.2	m	
P_AM_M3	isAgent	ES 202 915-14 [18], clause 8.1.3.3	m	
P_AM_M4	enableCapabilities	ES 202 915-14 [18], clause 8.1.3.4	m	
P_AM_M5	disableCapabilities	ES 202 915-14 [18], clause 8.1.3.5	m	
P_AM_M6	listEnabledCapabilities	ES 202 915-14 [18], clause 8.1.3.6	m	
P_AM_M7	listAllCapabilities	ES 202 915-14 [18], clause 8.1.3.7	m	
P_AM_M8	isCapableOf	ES 202 915-14 [18], clause 8.1.3.8	m	
P_AM_M9	associateTypes	ES 202 915-14 [18], clause 8.1.3.9	m	
P_AM_M10	disassociateTypes	ES 202 915-14 [18], clause 8.1.3.10	m	
P_AM_M11	listTypesOfAgent	ES 202 915-14 [18], clause 8.1.3.11	m	
P_AM_M12	hasType	ES 202 915-14 [18], clause 8.1.3.12	m	
P_AM_M13	getAgentAttributes	ES 202 915-14 [18], clause 8.1.3.13	m	
P_AM_M14	setAgentAttributes	ES 202 915-14 [18], clause 8.1.3.14	m	

Table M.6: IpPAMAgentAssignment Methods

Prerequisite: M.2 /P_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
P_AA_M1	assignAgent	ES 202 915-14 [18], clause 8.1.4.1	m	
P_AA_M2	unassignAgent	ES 202 915-14 [18], clause 8.1.4.2	m	
P_AA_M3	listAssignedAgents	ES 202 915-14 [18], clause 8.1.4.3	m	
P_AA_M4	listAssociatedIdentitiesOfAgent	ES 202 915-14 [18], clause 8.1.4.4	m	
P_AA_M5	listAssignedAgentByCapabilities	ES 202 915-14 [18], clause 8.1.4.5	m	
P_AA_M6	listCapabilitiesOfIdentity	ES 202 915-14 [18], clause 8.1.4.6	m	
P_AA_M7	isIdentityCapableOf	ES 202 915-14 [18], clause 8.1.4.7	m	

Table M.7: IpPAMIdentityTypeManagement Methods

Prerequisite: M.2 /P_I5

Item	Methods: Is the method implemented?	Reference	Status	Support
P_IT_M1	createIdentityAttribute	ES 202 915-14 [18], clause 8.1.5.1	m	
P_IT_M2	deleteIdentityAttribute	ES 202 915-14 [18], clause 8.1.5.2	m	
P_IT_M3	getIdentityAttributeDefinition	ES 202 915-14 [18], clause 8.1.5.3	m	
P_IT_M4	listAllIdentityAttributes	ES 202 915-14 [18], clause 8.1.5.4	m	
P_IT_M5	createIdentityType	ES 202 915-14 [18], clause 8.1.5.5	m	
P_IT_M6	deleteIdentityType	ES 202 915-14 [18], clause 8.1.5.6	m	
P_IT_M7	listIdentityTypes	ES 202 915-14 [18], clause 8.1.5.7	m	
P_IT_M8	addIdentityTypeAttributes	ES 202 915-14 [18], clause 8.1.5.8	m	
P_IT_M9	removeIdentityTypeAttributes	ES 202 915-14 [18], clause 8.1.5.9	m	
P_IT_M10	listIdentityTypeAttributes	ES 202 915-14 [18], clause 8.1.5.10	m	

Table M.8: IpPAMAgentTypeManagement Methods

Prerequisite: M.2 /P_I6

Item	Methods: Is the method implemented?	Reference	Status	Support
P_AT_M1	createAgentAttribute	ES 202 915-14 [18], clause 8.1.6.1	m	
P_AT_M2	deleteAgentAttribute	ES 202 915-14 [18], clause 8.1.6.2	m	
P_AT_M3	getAgentAttributeDefinition	ES 202 915-14 [18], clause 8.1.6.3	m	
P_AT_M4	listAllAgentAttributes	ES 202 915-14 [18], clause 8.1.6.4	m	
P_AT_M5	createAgentType	ES 202 915-14 [18], clause 8.1.6.5	m	
P_AT_M6	deleteAgentType	ES 202 915-14 [18], clause 8.1.6.6	m	
P_AT_M7	listAgentTypes	ES 202 915-14 [18], clause 8.1.6.7	m	
P_AT_M8	addAgentTypeAttributes	ES 202 915-14 [18], clause 8.1.6.8	m	
P_AT_M9	removeAgentTypeAttributes	ES 202 915-14 [18], clause 8.1.6.9	m	
P_AT_M10	listAgentTypeAttributes	ES 202 915-14 [18], clause 8.1.6.10	m	

Table M.9: IpPAMCapabilityManagement Methods

Prerequisite: M.2 /P_I7

Item	Methods: Is the method implemented?	Reference	Status	Support
P_CA_M1	createCapabilityAttribute	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M2	deleteCapabilityAttribute	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M3	getCapabilityAttributeDefinition	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M4	listAllCapabilityAttributes	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M5	createCapability	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M6	deleteCapability	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M7	listCapabilities	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M8	addCapabilityAttributes	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M9	removeCapabilityAttributes	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M10	listCapabilityAttributes	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M11	assignCapabilitiesToType	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M12	unassignCapabilitiesFromType	ES 202 915-14 [18], clause 8.1.7.	m	
P_CA_M13	listCapabilitiesOfType	ES 202 915-14 [18], clause 8.1.7.	m	

M.5.3 PAM Access Service

M.5.3.1 Interfaces Implemented for PAM Access Service

Prerequisite: M.1 /MC2

Table M.10: Interfaces for PAM Access Service

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
A_I1	IpPAMPresenceAvailabilityManager	ES 202 915-14 [18], clause 8.2.1	m	
A_I2	IpPAMIdentityPresence	ES 202 915-14 [18], clause 8.2.2	o.3	
A_I3	IpPAMAvailability	ES 202 915-14 [18], clause 8.2.3	o.3	
A_I4	IpPAMAgentPresence	ES 202 915-14 [18], clause 8.2.4	o.3	
o.3: At least one of these interfaces shall be supported.				

M.5.3.2 Methods Implemented for PAM Access Service

Prerequisite: M.1 /MC2

Table M.11: IpPAMPresenceAvailabilityManager Methods

Prerequisite: M.10 /A_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
A_PA_M1	getAuthToken	ES 202 915-14 [18], clause 8.2.1.1	m	
A_PA_M2	obtainInterface	ES 202 915-14 [18], clause 8.2.1.2	m	
A_PA_M3	getAccessControl	ES 202 915-14 [18], clause 8.2.1.3	m	
A_PA_M4	setAccessControl	ES 202 915-14 [18], clause 8.2.1.4	m	

Table M.12: IpPAMIdentityPresence Methods

Prerequisite: M.10 /A_I2

Item	Methods: Is the method implemented?	Reference	Status	Support
A_IP_M1	setIdentityPresence	ES 202 915-14 [18], clause 8.2.2.1	m	
A_IP_M2	setIdentityPresenceExpiration	ES 202 915-14 [18], clause 8.2.2.2	m	
A_IP_M3	getIdentityPresence	ES 202 915-14 [18], clause 8.2.2.3	m	

Table M.13: IpPAMAvailability Methods

Prerequisite: M.10 /A_I3

Item	Methods: Is the method implemented?	Reference	Status	Support
A_AV_M1	getAvailability	ES 202 915-14 [18], clause 8.2.3.1	m	
A_AV_M2	getPreference	ES 202 915-14 [18], clause 8.2.3.2	m	
A_AV_M3	setPreference	ES 202 915-14 [18], clause 8.2.3.3	m	

Table M.14: IpPAMAgentPresence Methods

Prerequisite: M.10 /A_I4

Item	Methods: Is the method implemented?	Reference	Status	Support
A_AP_M1	setAgentPresence	ES 202 915-14 [18], clause 8.2.4.1	m	
A_AP_M2	setCapabilityPresence	ES 202 915-14 [18], clause 8.2.4.2	m	
A_AP_M3	setAgentPresenceExpiration	ES 202 915-14 [18], clause 8.2.4.3	m	
A_AP_M4	setCapabilityPresenceExpiration	ES 202 915-14 [18], clause 8.2.4.4	m	
A_AP_M5	getAgentPresence	ES 202 915-14 [18], clause 8.2.4.5	m	
A_AP_M6	getCapabilityPresence	ES 202 915-14 [18], clause 8.2.4.6	m	

M.5.4 PAM Event Management Service

M.5.4.1 Interfaces Implemented for PAM Event Management Service

Prerequisite: M.1 /MC3

Table M.15: Interfaces for PAM Event Management Service

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
E_I1	IpPAMEventManager	ES 202 915-14 [18], clause 8.3.1	m	
E_I2	IpPAMEventHandler	ES 202 915-14 [18], clause 8.3.2	m	

M.5.4.2 Methods Implemented for PAM Event Management Service

Prerequisite: M.1 /MC3

Table M.16: IpPAMEventManager Methods

Prerequisite: M.15 /E_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
E_EM_M1	getAuthToken	ES 202 915-14 [18], clause 8.3.1.1	m	
E_EM_M2	obtainInterface	ES 202 915-14 [18], clause 8.3.1.2	m	
E_EM_M3	getAccessControl	ES 202 915-14 [18], clause 8.3.1.3	m	
E_EM_M4	setAccessControl	ES 202 915-14 [18], clause 8.3.1.4	m	

Table M.17: IpPAMEventHandler Methods

Prerequisite: M.15 /E_I1

Item	Methods: Is the method implemented?	Reference	Status	Support
E_EH_M1	isRegistered	ES 202 915-14 [18], clause 8.3.2.1	m	
E_EH_M2	registerAppInterface	ES 202 915-14 [18], clause 8.3.2.2	m	
E_EH_M3	registerForEvent	ES 202 915-14 [18], clause 8.3.2.3	m	
E_EH_M4	deregisterAppInterface	ES 202 915-14 [18], clause 8.3.2.4	m	
E_EH_M5	deregisterFromEvent	ES 202 915-14 [18], clause 8.3.2.5	m	

M.6 Functionalities of Applications using Presence and Availability Management SCF

This clause contains the ICS proforma tables related to applications using the Presence and Availability Management SCF functionalities.

M.6.1 Major capabilities

Table M.18: Major capabilities

Item	Major capability: Does the implementation support the following?	Reference	Status	Support
MCA1	PAM Access Service	ES 202 915-14 [18], clause 6.2	o.4	
MCA2	PAM EventManagement Service	ES 202 915-14 [18], clause 6.3	o.4	
o.4: At least one of these services shall be supported.				

M.6.2 PAM Access Service

M.6.2.1 Interfaces Implemented for PAM Access Service

Prerequisite: M.18 /MC1

Table M.19: Interfaces for PAM Access Service

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
A_IA1	IpAppPAMPreferenceCheck	ES 202 915-14 [18], clause 8.2.5	m	

M.6.2.2 Methods Implemented for PAM Access Service

Prerequisite: M.18 /MC1

Table M.20: IpAppPAMPreferenceCheck Methods

Prerequisite: M.19 /A_IA1

Item	Methods: Is the method implemented?	Reference	Status	Support
A_PCA_M1	computeAvailability	ES 202 915-14 [18], clause 8.2.5.1	m	

M.6.3 PAM EventManagement Service

M.6.3.1 Interfaces Implemented for PAM EventManagement Service

Prerequisite: M.18 /MC2

Table M.21: Interfaces for PAM EventManagement Service

Item	Interfaces: Is the interface implemented?	Reference	Status	Support
E_IA1	IpAppPAMEventHandler	ES 202 915-14 [18], clause 8.3.3	m	

M.6.3.2 Methods Implemented for PAM EventManagement Service

Prerequisite: M.18 /MC2

Table M.22: IpAppPAMeventHandler Methods

Prerequisite: M.21 /E_IA1

Item	Methods: Is the method implemented?	Reference	Status	Support
E_EHA_M1	eventNotify	ES 202 915-14 [18], clause 8.3.3.1	m	
E_EHA_M2	eventNotifyErr	ES 202 915-14 [18], clause 8.3.3.2	m	

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