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**Odpri dostop do storitve (OSA) – Vmesnik za aplikacijsko programiranje (API) –
Izjava o skladnosti izvedbe (ICS) – Proforma specifikacija za okvirni del in funkcije
SCF**

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

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ICS:

33.040.01	Telekomunikacijski sistemi na splošno	Telecommunication systems in general
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ETSI Standard

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

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Contents

Intellectual Property Rights	8
Foreword.....	8
1 Scope	9
2 References	9
3 Definitions and abbreviations.....	10
3.1 Definitions	10
3.2 Abbreviations	10
4 Conformance	10
Annex A (normative): ICS proforma for Framework and SCFs - General.....	11
A.1 Guidance for completing the ICS proforma	11
A.1.1 Purposes and structure.....	11
A.1.2 Abbreviations and conventions	11
A.1.3 Instructions for completing the ICS proforma.....	12
A.2 Identification of the implementation	13
A.2.1 Product supplier.....	13
A.2.2 Client (if different from product supplier).....	13
A.3 Identification of the protocol.....	14
A.4 Global statement of conformance.....	14
A.5 General	14
A.5.1 Functionalities	14
Annex B (normative): ICS proforma for ES 201 915-3 framework functionalities.....	15
B.1 Guidance for completing the ICS proforma	15
B.1.1 Purposes and structure.....	15
B.1.2 Abbreviations and conventions	15
B.1.3 Instructions for completing the ICS proforma.....	15
B.2 Identification of the implementation	16
B.2.1 Date of the statement.....	16
B.2.2 Implementation under test identification.....	16
B.2.3 System under test identification	16
B.2.4 PICS contact person	16
B.3 Identification of the protocol.....	17
B.4 Global statement of conformance.....	17
B.5 Framework Functionalities.....	17
B.5.1 Roles.....	17
B.5.2 APIs.....	17
B.5.2.1 Access Session API	18
B.5.2.1.1 Service Capability Server Role	18
B.5.2.1.1.1 Interfaces	18
B.5.2.1.1.2 Methods	18
B.5.2.1.2 Framework Role.....	18
B.5.2.1.2.1 Interfaces	18
B.5.2.1.2.2 Methods	19
B.5.2.2 Framework-to-Application API.....	20
B.5.2.2.1 Interfaces	20
B.5.2.2.2 Methods.....	20
B.5.2.3 Framework-to-Enterprise Operator API	21

B.5.2.3.1	Interfaces	22
B.5.2.3.2	Methods.....	22
B.5.2.4	Framework-to-Service API.....	23
B.5.2.4.1	Service Capability Server Role	23
B.5.2.4.1.1	Interfaces	23
B.5.2.4.1.2	Methods	23
B.5.2.4.2	Framework Role.....	25
B.5.2.4.2.1	Interfaces	25
B.5.2.4.2.2	Methods	25
Annex C (normative): ICS proforma for ES 201 915-4 Call Control SCF		28
C.1	Guidance for completing the ICS proforma	28
C.1.1	Purposes and structure.....	28
C.1.2	Abbreviations and conventions	28
C.1.3	Instructions for completing the ICS proforma.....	28
C.2	Identification of the implementation	29
C.2.1	Date of the statement.....	29
C.2.2	Implementation under test identification.....	29
C.2.3	System under test identification	29
C.2.4	PICS contact person	29
C.3	Identification of the protocol.....	30
C.4	Global statement of conformance.....	30
C.5	Call Control SCF Functionalities	30
C.5.1	Major capabilities	30
C.5.2	Interfaces	31
C.5.2.1	Interfaces for Generic Call Control Service	31
C.5.2.2	Interfaces for MultiParty Call Control Service	31
C.5.2.3	Interfaces for MultiMedia Call Control Service	31
C.5.2.4	Interfaces for Conference Call Control Service	31
C.5.3	Methods.....	32
C.5.3.1	Methods for Generic Call Control Service.....	32
C.5.3.2	Methods for MultiParty Call Control Service.....	32
C.5.3.3	Methods for MultiMedia Call Control Service	34
C.5.3.4	Methods for Conference Call Control Service.....	36
Annex D (normative): ICS proforma for ES 201 915-5 User Interaction SCF.....		38
D.1	Guidance for completing the ICS proforma	38
D.1.1	Purposes and structure.....	38
D.1.2	Abbreviations and conventions	38
D.1.3	Instructions for completing the ICS proforma.....	38
D.2	Identification of the implementation	39
D.2.1	Date of the statement.....	39
D.2.2	Implementation under test identification.....	39
D.2.3	System under test identification	39
D.2.4	PICS contact person	39
D.3	Identification of the protocol.....	40
D.4	Global statement of conformance.....	40
D.5	User Interaction SCF Functionalities	40
D.5.1	Interfaces	40
D.5.2	Methods.....	41
Annex E (normative): ICS proforma for ES 201 915-6 Mobility SCF.....		42
E.1	Guidance for completing the ICS proforma	42
E.1.1	Purposes and structure.....	42
E.1.2	Abbreviations and conventions	42

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

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

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

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[SIST ES 202 170 V1.1.1:2005](https://standards.iteh.ai/catalog/standards/sist/239e4cc5-4340-45e2-9aa5-ecacc656a0ce/sist-es-202-170-v1-1-1-2005)

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Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

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).

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1 Scope

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

The supplier of an implementation which is claimed to conform to a part of ES 201 915 [1] to [12] is required to complete a copy of the ICS proforma provided in annex A through to annex J of the present document and is required to provide the information necessary to identify the supplier and the implementation.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

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

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

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

3 Definitions and abbreviations

3.1 Definitions

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

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

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

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

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

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

3.2 Abbreviations

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

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

4 Conformance

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

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

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

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

A.1 Guidance for completing the ICS proforma

A.1.1 Purposes and structure

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

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

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

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A.1.2 Abbreviations and conventions

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

Item column

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

Item description column

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

Status column

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

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

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

Reference column

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

Support column

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

Y or y: supported by the implementation.

N or n: not supported by the implementation.

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

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

References to items

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

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

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

Prerequisite line

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

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

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:

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A.2.2 Client (if different from product supplier)

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....