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Odprti 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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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).

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

A.1 Guidance for completing the ICS proforma

A.1.1 Purposes and structure

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

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

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

A.1.2 Abbreviations and conventions

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

Item column

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

Item description column

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

Status column

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

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

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

Reference column

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

Support column

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

Y or y: supported by the implementation.

N or n: not supported by the implementation.

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

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

References to items

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

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

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

Prerequisite line

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

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

A.1.3 Instructions for completing the ICS proforma

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

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

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

A.2 Identification of the implementation

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

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

A.2.1 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.2 Client (if different from product supplier)

Name:

.....

Address:

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.....

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Telephone number:

.....

Facsimile number:

.....