



Enabler Release Definition for Immersive Social Centre (ISC)

Candidate Version 1.0 – 01 Jul 2014

Open Mobile Alliance
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Contents

- 1. SCOPE4
- 2. REFERENCES5
 - 2.1 NORMATIVE REFERENCES5
 - 2.2 INFORMATIVE REFERENCES5
- 3. TERMINOLOGY AND CONVENTIONS6
 - 3.1 CONVENTIONS6
 - 3.2 DEFINITIONS.....6
 - 3.3 ABBREVIATIONS6
- 4. RELEASE VERSION OVERVIEW7
 - 4.1 VERSION 1.0 FUNCTIONALITY7
- 5. DOCUMENT LISTING FOR ISC ENABLER V1.08
- 6. OMNA CONSIDERATIONS9
- 7. CONFORMANCE REQUIREMENTS NOTATION DETAILS10
- 8. ERDEF FOR ISC V1.0 – CLIENT REQUIREMENTS11
- 9. ERDEF FOR ISC V1.0 – SERVER REQUIREMENTS12
- APPENDIX A. CHANGE HISTORY (INFORMATIVE).....13
 - A.1 APPROVED VERSION HISTORY13
 - A.2 DRAFT/CANDIDATE VERSION 1.0 HISTORY13

Figures

No table of figures entries found.

Tables

- Table 1: Listing of Documents in ISC V1.0 Enabler.....8
- Table 2: ERDEF for ISC V1.0 Client-side Requirements11
- Table 3: ERDEF for ISC V1.0 Server-side Requirements12

1. Scope

The scope of this document is given by the Enabler Release Definition of Immersive Social Centre (ISC) enabler according to OMA Release process and the Enabler Release specification baseline listed in section 5.

The ISC Enabler defines a service-level framework providing a standardized integration of content viewing and communication experience. This includes the use of multiple devices (e.g. smartphones, TV, tablets, PC) in order to enable an immersive (“being there”and “being with”) experience.

The scope of the enabler covers the specification of a common interface between clients and servers and between servers to ensure interoperability. This includes a description of an architecture in order to support all defined requirements and to support all necessary entities to ensure enriched communication between them and external applications.

2. References

2.1 Normative References

- [OMA_ISC_AD] “Architecture Document for ISC Enabler”, Open Mobile Alliance™, OMA-AD-ISC-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA_ISC_RD] “Requirement Document for ISC Enabler”, Open Mobile Alliance™, OMA-RD-ISC-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA_ISC_TS] “Immersive Social Centre (ISC) Specification”, Open Mobile Alliance™, OMA-TS-ISC-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA_ISC_TS_MO] “Immersive Social Centre Management Object”, Open Mobile Alliance™, OMA-TS-ISC-MO-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA_ISC_TS_XDMS] “Immersive Social Centre XDM Specification”, Open Mobile Alliance™, OMA-TS-ISC-XDMS-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA-ISC-SUP-Contents_List] “XML schema for ISC Contents List”, Open Mobile Alliance™, OMA-SUP-XSD_ISC_UP-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA-ISC-SUP-Group_Ext] “XML schema for ISC Group Extension”, Open Mobile Alliance™, OMA-SUP-XSD_ISC_UP-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMA-ISC-SUP-UP] “XML schema for ISC User Preferences”, Open Mobile Alliance™, OMA-SUP-XSD_ISC_UP-V1_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, [URL:http://www.ietf.org/rfc/rfc2119.txt](http://www.ietf.org/rfc/rfc2119.txt)
- [SCRRULES] “SCR Rules and Procedures”, Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version2.9, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_9, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)

3. Terminology and Conventions

3.1 Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

All sections and appendixes, except “Scope”, “Release Version Overview” and “Conformance Requirements Notation Details”, are normative, unless they are explicitly indicated to be informative.

The formal notation convention used in sections 8 and 9 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

3.2 Definitions

Enabler Release Collection of specifications that combined together form an enabler for a service area, e.g. a download enabler, a browsing enabler, a messaging enabler, a location enabler, etc. The specifications that are forming an enabler should combined fulfil a number of related market requirements.

Minimum Functionality Description Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

3.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELED	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

4. Release Version Overview

The Immersive Social Centre (ISC) Enabler defines an overall framework that enables a standardized integration of content viewing and communication experience.

The core functionalities exposed by the ISC Enabler include: immersive content viewing environment, multi-device support, synchronization, user interaction and management, social communication capabilities and security aspects.

4.1 Version 1.0 Functionality

The version 1.0 of the ISC Enabler supports the following functionalities (not exhaustive):

- do content viewing and communication (e.g., send invitation, post comments) with other users in parallel;
- synchronize their content view with other user(s) ;
- share information of their content viewings (e.g., content name, same view or not) and presence information (e.g. available/not available for content viewing) ;
- get list of contents (personalized) available for viewing along with metadata and preview of the content;
- receive content views according to published device capability and spatial configuration;
- concurrently associate several devices with themselves;
- interact with the content (e.g., voting, delegate content viewing rights) ;
- personalise their services by setting preferences;
- store content viewed and associated communication in the network;
- support security aspects.

5. Document Listing for ISC Enabler V1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[OMA-ISC-RD]	OMA-RD-ISC-V1_0-20140701-C	Requirement Document for the ISC Enabler
Architecture Document		
[OMA-ISC-AD]	OMA-AD-ISC-V1_0-20140701-C	Architecture Document for the ISC Enabler
Technical Specifications		
[OMA-ISC-TS]	OMA-TS-ISC-V1_0-20140701-C	Core Technical Specification for the ISC Enabler
[OMA-ISC-TS-XDMS]	OMA-TS-ISC_XDMS-V1_0-20140701-C	Application Usages for the ISC Enabler
[OMA-ISC-TS-MO]	OMA-TS-ISC_MO-V1_0-20140701-C	Management Object for the ISC Enabler
Supporting Files		
[OMA-ISC-SUP-UP]	OMA-SUP-XSD_ISC_UP-V1_0-20140701-C	XML schema for ISC User Preferences
[OMA-ISC-SUP-Group_Ext]	OMA-SUP-XSD_ISC_Group_Ext-V1_0-20140701-C	XML schema for ISC Group Extension
[OMA-ISC-SUP-Contents_List]	OMA-SUP-XSD_ISC_Contents_List-V1_0-20140701-C	XML schema for ISC Contents List

Table 1: Listing of Documents in ISC V1.0 Enabler

6. OMNA Considerations

7. Conformance Requirements Notation Details

This section is informative

The tables in following chapters use the following notation:

- Item:** Entry in this column **MUST** be a valid `ScrItem` according to [SCRRULES].
- Feature/Application:** Entry in this column **SHOULD** be a short descriptive label to the **Item** in question.
- Requirement:** Expression in the column **MUST** be a valid `TerminalExpression` according to [SCRRULES] and it **MUST** accurately reflect the architectural requirement of the **Item** in question.

8. ERDEF for ISC V1.0 – Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-ISC-C-001-M	ISC V1.0 Client	ISC-C:MCF

Table 2: ERDEF for ISC V1.0 Client-side Requirements

9. ERDEF for ISC V1.0 – Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-ISC-S-001-M	ISC V1.0 Server	ISC-S:MCF

Table 3: ERDEF for ISC V1.0 Server-side Requirements

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No previous version within OMA

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions : OMA-ERELED-ISC-V1_0	16 Oct 2012	All	Baseline agreed in: OMA-COM-ISC-2012-0055-INP_ISC_1.0_ERELED_Baseline
	07 Nov 2012	2.1, 2.2, 4, 5 App A.1	Added a new normative reference, and updated the version of OMADICT, and updated the document list, and updated the description of the approved version history (CR#2012-0069R01) Updated the description of the Release Version Overview (CR#2012-0070R01)
	16 Nov 2012	1, 4, 4.1	Updated the description of the Release Version Overview and its sub-section (CR#2012-0091R01) Update the description of the Scope (CR#2012-0075R01)
	21 Nov 2012	Various	Editorial clean-up Documents Listing updated
	26 Feb 2013	n/a	Editorial update
	05 Mar 2013	n/a	Editorial update
	22 Mar 2013	n/a	Editorial update
	Candidate Version : OMA-ERELED-ISC-V1_0	02 Apr 2013	All
Draft Versions : OMA-ERELED-ISC-V1_0	26 Jun 2013	n/a	Editorial update
	01 Oct 2013	n/a	Editorial Updates
	07 Oct 2013	n/a	Editorial Updates
Candidate Version : OMA-ERELED-ISC-V1_0	15 Oct 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0325- INP_COM_ISC_V1.0_For_Candidate_Approval
Draft Versions : OMA-ERELED-ISC-V1_0	26 Nov 2013	1,2,1,5	Editorial updates
	27 Nov 2013	2.1, 5, 8, 9	Incorporated CR: OMA-COM-ISC-2013-0302-CR_ERELED_update Updated the document list prior to Consistency Review
	28 Nov 2013	5	Updated the document list prior to Consistency Review
	08 May 2014	2.1, 4, 5, 8, 9	Incorporated CR: OMA-COM-ISC-2014-0146R01-CR_ERELED_update Editorial changes
	16 June 2014	5	Editorial update of permanent document references in section 5
Candidate Version : OMA-ERELED-ISC-V1_0	01 Jul 2014	All	Status changed to Candidate by TP TP Ref # OMA-TP-2014-0151- INP_ISC_V1_0_ERP_and_ETR_for_Candidate_Approval