



Enabler Release Definition for Content Management Interface

Approved Version 1.0 – 05 July 2011

Open Mobile Alliance
OMA-ERELD-CMI-V1_0-20110705-A

Use of this document is subject to all of the terms and conditions of the Use Agreement located at <http://www.openmobilealliance.org/UseAgreement.html>.

Unless this document is clearly designated as an approved specification, this document is a work in process, is not an approved Open Mobile Alliance™ specification, and is subject to revision or removal without notice.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. Information contained in this document may be used, at your sole risk, for any purposes. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance. The Open Mobile Alliance authorizes you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services. The Open Mobile Alliance assumes no responsibility for errors or omissions in this document.

Each Open Mobile Alliance member has agreed to use reasonable endeavors to inform the Open Mobile Alliance in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. However, the members do not have an obligation to conduct IPR searches. The declared Essential IPR is publicly available to members and non-members of the Open Mobile Alliance and may be found on the “OMA IPR Declarations” list at <http://www.openmobilealliance.org/ipr.html>. The Open Mobile Alliance has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions. Defined terms above are set forth in the schedule to the Open Mobile Alliance Application Form.

NO REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS OR IMPLIED) ARE MADE BY THE OPEN MOBILE ALLIANCE OR ANY OPEN MOBILE ALLIANCE MEMBER OR ITS AFFILIATES REGARDING ANY OF THE IPR'S REPRESENTED ON THE “OMA IPR DECLARATIONS” LIST, INCLUDING, BUT NOT LIMITED TO THE ACCURACY, COMPLETENESS, VALIDITY OR RELEVANCE OF THE INFORMATION OR WHETHER OR NOT SUCH RIGHTS ARE ESSENTIAL OR NON-ESSENTIAL.

THE OPEN MOBILE ALLIANCE IS NOT LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF DOCUMENTS AND THE INFORMATION CONTAINED IN THE DOCUMENTS.

© 2011 Open Mobile Alliance Ltd. All Rights Reserved.

Used with the permission of the Open Mobile Alliance Ltd. under the terms set forth above.

Contents

- 1. SCOPE4
- 2. REFERENCES5
 - 2.1 NORMATIVE REFERENCES5
 - 2.2 INFORMATIVE REFERENCES5
- 3. TERMINOLOGY AND CONVENTIONS6
 - 3.1 CONVENTIONS6
 - 3.2 DEFINITIONS6
 - 3.3 ABBREVIATIONS6
- 4. RELEASE VERSION OVERVIEW7
 - 4.1 VERSION 1.0 FUNCTIONALITY7
- 5. DOCUMENT LISTING FOR CMI8
- 6. OMNA CONSIDERATIONS9
- 7. CONFORMANCE REQUIREMENTS NOTATION DETAILS10
- 8. ERDEF FOR CMI- CLIENT REQUIREMENTS11
- 9. ERDEF FOR CMI- SERVER REQUIREMENTS12
- APPENDIX A. CHANGE HISTORY (INFORMATIVE)13
 - A.1 APPROVED VERSION HISTORY13

Tables

- Table 1: Listing of Documents in CMI Enabler8
- Table 2: ERDEF for CMI Client-side Requirements11
- Table 3: ERDEF for CMI Server-side Requirements12

1. Scope

The scope of this document is limited to the Enabler Release Definition of CMI according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [CMI_RD] “Content Management Interface Requirements”, Version 1.0, Open Mobile Alliance™, OMA-RD-CMI-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”, Version 2.6, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_6, [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

CMI	Content Management Interface
ERDEF	Enabler Requirement Definition
ERELED	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

4. Release Version Overview

CMI is intended to create a well-defined API between the Service Provider and Content Provider to facilitate integrations and service deployments in order to advance the industry and benefit all parties.

The main objective of the first release of the CMI is to develop an API for CMR services as a baseline for a general use case that allows expansion of the API to be applicable for any service. The scope includes the API only. It does not include the well-defined services (such as the well-defined CMR).

CMI includes the following main functionalities:

- **Purchase Content Functionalities:** Transferring information between the Content Provider and the Service Provider related to:
 - Purchase of content by user(s)
 - Making content available/unavailable to consume
- **Content Upload Functionalities:** Creating a secure channel between Content Provider and Service Provider that:
 - Allows downloading and/or updating of content and user-generated content between these parties
 - .
- **Statistic and Report Functionalities:** Allows receipt of authorized statistics and reports that elaborate and update the data collection, potentially increasing user purchases and content usage activities.
- **Management Functionalities:** Allows creation, management and control of policies and SLA between Content Provider and Service that will help monitor and facilitate the service.

4.1 Version 1.0 Functionality

The Version 1.0 of the CMI Enabler contains all functions described in the above paragraph except Management Functionalities. In CMI 1.0, the Management Functionalities are described only in [CMI_AD]. Detailed specification for Management Functionalities is deferred to future version of CMI.

5. Document Listing for CMI

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[CMI_RD]	OMA-RD-CMI-V1_0-20110705-A	Requirement Document for CMI Enabler
Architecture Document		
[CMI_AD]	OMA-AD-CMI-V1_0-20110705-A	Architecture Document for CMI Enabler
Technical Specifications		
[CMI_TS]	OMA-TS-CMI-V1_0-20110705-A	Technical Specification for CMI Enabler
Supporting Files		
[CMI_XSD]	OMA-SUP-XSD_cmi_package-V1_0-20110705-A	XML Schema for the CMI Content-package – File Distributioun Public Reachable Information: Path: http://www.openmobilealliance.org/tech/profiles Name: cmi_package-v1_0.xsd

Table 1: Listing of Documents in CMI Enabler

6. OMNA Considerations

Namespace registration: CMI Package urn:oma:xml:cmi:package:1.0

(<http://www.openmobilealliance.org/Tech/omna/omna-schema-namespaces.aspx>)

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 CMI- Client Requirements

This section is normative.

Item	Feature / Application	Requirement
<i>Not yet available</i>		

Table 2: ERDEF for CMI Client-side Requirements

9. ERDEF for CMI- Server Requirements

This section is normative.

Item	Feature / Application	Requirement
<i>Not yet available</i>		

Table 3: ERDEF for CMI Server-side Requirements

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-CMI-V1_0-20110705-A	05 Jul 2011	Status changed to Approved by TP: OMA-TP-2011-0223-INP_CMI_V1_0_ERP_for_Final_Approval