Enabler Release Definition for Content Management Interface
Candidate Version 1.0 – 01 December 2009

Open Mobile Alliance
OMA-ERELD-CMI-V1_0-20091201-C
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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/


2.2 Informative References

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

3.3 Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMI</td>
<td>Content Management Interface</td>
</tr>
<tr>
<td>ERDEF</td>
<td>Enabler Requirement Definition</td>
</tr>
<tr>
<td>ERELD</td>
<td>Enabler Release Definition</td>
</tr>
<tr>
<td>OMA</td>
<td>Open Mobile Alliance</td>
</tr>
<tr>
<td>OMNA</td>
<td>Open Mobile Naming Authority</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Doc Ref</th>
<th>Permanent Document Reference</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>[CMI_RD]</td>
<td>OMA-RD-CMI-V1_0-20091201-C</td>
<td>Requirement Document for CMI Enabler</td>
</tr>
<tr>
<td>[CMI_AD]</td>
<td>OMA-AD-CMI-V1_0-20091201-C</td>
<td>Architecture Document for CMI Enabler</td>
</tr>
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</table>
| [CMI_XSD] | OMA-SUP-XSD_cmi_package-V1_0-20091201-C | XML Schema for the CMI Content-package – File Distribution
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.

<table>
<thead>
<tr>
<th>Item</th>
<th>Feature / Application</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not yet available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 2: ERDEF for CMI Client-side Requirements
9. ERDEF for CMI- Server Requirements

This section is normative.

<table>
<thead>
<tr>
<th>Item</th>
<th>Feature / Application</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not yet available</td>
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<td></td>
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</tbody>
</table>

Table 3: ERDEF for CMI Server-side Requirements
Appendix A. Change History

## A.1 Approved Version History

<table>
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<th>Reference</th>
<th>Date</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>n/a</td>
<td>n/a</td>
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</tr>
</tbody>
</table>

## A.2 Draft/Candidate Version 1.0 History

<table>
<thead>
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<th>Document Identifier</th>
<th>Date</th>
<th>Sections</th>
<th>Description</th>
</tr>
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<tr>
<td>Draft Versions</td>
<td>21 Nov 2008</td>
<td>all</td>
<td>Initial draft version</td>
</tr>
<tr>
<td>OMA-ERELD-CMI-V1_0</td>
<td>26 Nov 2008</td>
<td>5</td>
<td>Update of RD version</td>
</tr>
<tr>
<td></td>
<td>17 Dec 2008</td>
<td>5</td>
<td>Update of RD version</td>
</tr>
</tbody>
</table>
|                     | 27 Jan 2009| n/a      | Status changed to Candidate by TP  
TP ref # OMA-TP-2009-0011-
INP_CMI_V1_0_RD_for_Candidate_Approval.zip |
| Candidate Version   | 06 May 2009| 5        | Document Listing Updated with latest documents                                                                                              |
| OMA-ERELD-CMI-V1_0  | 07 May 2009| 5        | Document Listing Updated with latest AD                                                                                                     |
|                     | 28 Aug 2009| 5        | Document Listing updated with latest documents                                                                                              |
|                     | 22 Sep 2009| 5        | Status changed to Candidate by TP  
TP ref # OMA-TP-2009-0426-
INP_CMI_V1_0_RD_for_Candidate_Re_Approval |
| Draft Versions      | 21 Oct 2009| 5        | Document Listing updated with latest documents                                                                                              |
| OMA-ERELD-CMI-V1_0  | 27 Oct 2009| 4 & 5    | Incorporate Agreed CR (following CONR):  
OMA-CD-CMI-2009-0122R02-CR_Address_ERELD_A001_A002  
Updated Document Listing |
|                     | 28 Oct 2009| 5        | Updated Document Listing for Schema file                                                                                                   |
|                     | 02 Nov 2009| 5, 6     | Incorporate Agreed CR:  
OMA-CD-CMI-2009-0145  
Updated OMNA considerations and Document Listing                                         |
| Candidate Version   | 01 Dec 2009| All      | Status changed to Candidate by TP  
TP ref # OMA-TP-2009-0527-
INP_CMI_V1_0_ERP_for_Candidate_Approval |