



Enabler Release Definition for Customized Multimedia Ringing

Candidate Version 1.0 – 06 Jul 2010

Open Mobile Alliance
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1. Scope

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

2. References

2.1 Normative References

- [CMR_AD] “Customized Multimedia Ringing Requirements”, Version 1.0, Open Mobile Alliance™, OMA-AD-CMR-V1_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CMR_RD] “Customized Multimedia Ringing Requirements”, Version 1.0, Open Mobile Alliance™, OMA-RD-CMR-V1_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CMR_TS] “Customized Multimedia Ringing Requirements”, Version 1.0, Open Mobile Alliance™, OMA-TS-CMR-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 [SCR RULES].

3.2 Definitions

CMR Subscriber	See [CMR_RD]
Content Provider	See [OMADICT]
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.
Service Provider	See [OMADICT]

3.3 Abbreviations

CMR	Customized Multimedia Ringing
CP	Content Provider
ERDEF	Enabler Requirement Definition
ERELED	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
SP	Service Provider

4. Release Version Overview

Customized Multimedia Ringing (CMR) is an enabler that can present multimedia resources to an end user according to a specified event, e.g. the establishment of a call, the arrival of a message or mail. A typical example of the CMR service is that the traditional ring back tone or ringing tone during call establishment can be replaced by the multimedia resources customized by the subscriber. The CMR enabler will provide following main functionalities.

- CMR service management: CMR services are provided based on the preferences customized by the CMR Subscriber/SP which consists of presentation rules, priority, filer settings and so on. The service management also include CMR Subscriber's personal resource library management, system setting management and so on.
- CMR Resource management: CMR Resource management includes the management of the CMR Resource metadata and CMR Resource Box (e.g. changing the name of the CMR Resource and define the CMR Resource Box).
- CMR Resource delivery and presentation control
 - Present the appropriate CMR resource according to the presentation rules.
 - Presentation control before or during the presentation (e.g. filter CMR Resource or stop CMR Resource presentation)
- The other basic functions of CMR Enabler include:
 - Charging: When CMR Subscriber manages the CMR Resources and CMR service or when the CMR service is delivered, CMR Enabler interacts with Charging Enabler when charging events occur.
 - Security: CMR Enabler supports the mechanisms to ensure the secure CMR Resource delivery and CMR service/CMR Resource management (e.g. authenticate/authorization of CP/SP/CMR Subscriber).
 - Privacy: CMR Enabler has the mechanisms to defend the privacy of CMR Subscribers.
 - Open APIs: other OMA/non-OMA enablers or the third party applications can invoke the open APIs of CMR Enabler to implement the CMR services.

4.1 Version 1.0 Functionality

The Version 1.0 functionalities contain all the functions described in the above paragraph except the charging function and some presentation control functions. The details of the version 1.0 functionalities refer to [CMR_RD].

4.2 Next Version Functionality

The next version functionalities include the charging functions and some presentation control functions which are indicated as future releases in [CMR_RD].

5. Document Listing for CMR

This section is normative

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[CMR_RD]	OMA-RD-CMR-V1_0-20100706-C	Requirement Document for CMR Enabler
Architecture Document		
[CMR_AD]	OMA-AD-CMR-V1_0-20100706-C	Architecture Document for CMR Enabler
Technical Specifications		
[CMR_TS]	OMA-TS-CMR-V1_0-20100706-C	Technical Specification for CMR Enabler
Supporting Files		
[CMR_XSD]	OMA-SUP-XSD_CMR-V1_0-20100706-C	XML Schema for the CMR Content-package Public Reachable Information: Path: http://www.openmobilealliance.org/tech/profiles Name: CMR_messages-V1_0.xsd

Table 1: Listing of Documents in CMR Enabler

6. OMNA Considerations

The Version 1.0 release of the CMR Enabler does not have any OMNA items for handling.

Note: This determination may be changed when the CMR processing move on.

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 CMR - Client Requirements

This section is normative.

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

Table 2: ERDEF for CMR Client-side Requirements

9. ERDEF for CMR - Server Requirements

This section is normative.

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

Table 3: ERDEF for CMR Server-side Requirements

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version –or- No previous version within OMA

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELED-CMR-V1_0	14 Jul 2008	all	Initial draft version
	17 Jul 2008	1, 5	<ul style="list-style-type: none"> Replace the <<Enabler>> with actual Enabler name (viz. CMR) Update the document list to reference the latest RD revision
	31 Jul 2008	5	<ul style="list-style-type: none"> Update the document list to reference the latest RD revision
	13 Nov 2008	5	<ul style="list-style-type: none"> Update the document list to reference the latest RD revision
	26 Nov 2008	5	<ul style="list-style-type: none"> Update the document list to reference the latest RD revision
Candidate Version OMA-ERELED-CMR-V1_0	16 Dec 2008	n/a	Status changed to Candidate by TP TP ref# OMA-TP-2008-0488- INP_CMV_V1_0_RD_for_Candidate_Approval
Draft Version OMA-ERELED-CMR-V1_0	13 May 2009	All 5	Status back to Draft Status: Updated to the 2009 Template Update the documents list to reference the latest RD and AD revisions
Candidate Version OMA-ERELED-CMR-V1_0	02 Jun 2009	All	Status changed to Candidate by TP OMA-TP-2009-0224-INP_CMV_V1_0_RD_for_Candidate_re_Approval
Draft Version OMA-ERELED-CMR-V1_0	26 Aug 2009	5	Status back to Draft status: document listing updated with latest AD
Candidate Version OMA-ERELED-CMR-V1_0	13 Oct 2009	All	Status changed to Candidate by TP OMA-TP-2009-0444-INP_CMV_V1_0_AD_for_Candidate_approval
Draft Version OMA-ERELED-CMR-V1_0	29 Mar 2010	All	Updated to the 2010 Template Update the Documents list to reference the latest TS and XSD file
Draft Version OMA-ERELED-CMR-V1_0	04 Jun 2010	All	Updated during consistency review, Incorporated the following CR: OMA-CD-CMR-2010-0160R01- CR_resolution_for_ERELED_comments
Draft Version OMA-ERELED-CMR-V1_0	17 Jun 2010	5	Updated the Documents list to reference the latest RD, AD, TS and XSD file
Candidate Version OMA-ERELED-CMR-V1_0	06 Jul 2010	5 All	Updated the Documents list to reference the latest RD, AD, TS and XSD file Status changed to Candidate by TP TP Ref# OMA-TP-2010-0266- INP_CMV_V1_0_ERP_for_Candidate_Approval