Enabler Release Definition for Customized Multimedia Ringing

Candidate Version 1.0 – 16 Dec 2008

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_RD]   "Customized Multimedia Ringing Requirements", Version 1.0, Open Mobile Alliance™, OMA-RD-
                        CMR-V1_0, URL: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

[SCRRULES]   "SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures,
                        URL: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/

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

CMR	Customized Multimedia Ringing
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

4. Release Version Overview

Customized Multimedia Ringing (CMR) is an enabler that can make multimedia resources present to an End User according to a specified event, e.g. the establishment of a call, the arrival of a message or mail. A common use is the traditional ring back tone or ringing tone during call establishment is replaced by the subscriber customized multimedia resources. In order to present the multimedia resources and control it on the service layer, CMR enabler will provide following main functionalities.

- CMR preferences management: CMR can be provided based on CMR preferences customized by the user which consists of priority, network storage, the ringing box, the CMR presentation rules and so on. CMR preference can be manipulated by the application, the subscriber or third party.

- CMR resource management: Resource management including enable a subscriber or third party to upload CMR resources, delete the CMR resources, manage resource information (e.g. change the name of the CMR resource) etc.

- CMR Presentation control: to manage the CMR presentation via presentation rules.

  ➢ Present the appropriate CMR resource according to CMR presentation rules.

  ➢ Presentation control during the presenting session (i.e. interaction with the user)

- The other basic functions of CMR enabler include:

  ➢ Charging: When CMR user purchases or manages (eg. updates or uploads) the CMR resources, and CMR service is initiated, charging information will be generated. CMR enabler can send it to charging platform.

  ➢ Security: CMR enabler has a mechanism to authenticate and authorization to CP/SP/CMR user.

  ➢ Privacy: CMR enabler has a mechanism to defend the privacy of CMR user.

  ➢ Open APIs: other OMA/non-OMA enablers or the third party application can invoke the open APIs of CMR enabler to implement the CMR related service.

4.1 Version 1.0 Functionality

The Version 1.0 release of the CMR Enabler contains all functions describe in the above paragraph.

5. Document Listing for CMR

This section is normative

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[CMR_RD]	OMA-RD-CMR-V1_0-20081216-C	Requirement Document for CMR Enabler
Architecture Document		
Technical Specifications		
Supporting Files		

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
Not yet available		

Table 2: ERDEF for CMR Client-side Requirements

9. ERDEF for CMR - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
Not yet available		

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-ERELD-CMR-V1_0	14 Jul 2008	all	Initial draft version
	17 Jul 2008	1, 5	● Replace the <<Enabler>> with actual Enabler name (viz. CMR) ● Update the document list to reference the latest RD revision
	31 Jul 2008	5	● Update the document list to reference the latest RD revision
	13 Nov 2008	5	● Update the document list to reference the latest RD revision
	26 Nov 2008	5	● Update the document list to reference the latest RD revision
Candidate Version OMA-ERELD-CMR-V1_0	16 Dec 2008	n/a	Status changed to Candidate by TP TP ref# OMA-TP-2008-0488-INP_CMR_V1_0_RD_for_Candidate_Approval