Enabler Release Definition for Mobile Email 1.0

Candidate Version 1.0 – 18 Aug 2009

Open Mobile Alliance

OMA-ERELD-Mobile_Email-V1_0-20090818-C

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1. Scope

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

2. References

2.1 Normative References

[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 x.y, Open Mobile Alliance™,
                       OMA-ORG-Dictionary-Vx_y, 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].

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.

3.2 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
MEM	Mobile Email Enabler

4. Release Version Overview

4.1 Version 1.0 Functionality

This document outlines the Enabler Release Definition for Mobile Email (MEM) version 1.0 and the respective conformance requirements for Mobile Email clients and servers implementations claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

The MEM Enabler is defined as email enabler optimized to support email usage in mobile devices and wireless networks.

The user experience for mobile email users should be consistent with using email in the office or at home, however, there are some characteristic differences (e.g., mobile usage, device limitations). Email may be personal email provided by an email service provider or corporate email.

The MEM enabler includes the following capabilities:

- MEM Client: Embedded Client for devices that enable synchronization of email using MEM protocol. The client also supports notification.

- MEM Server: synchronization server supporting MEM protocol that enables direct synchronization with the Email Server. MEM Server supports filtering, notification, email.

- MEM Protocol: allows the exchange of messages between the MEM Client and MEM Server that includes control of mobile operations, notifications, etc.

- Outband Notification Enabler: allows the notification of the MEM Client that an event has occurred at the Email Server via channels other than the MEM Protocol such as: SMS, MMS, WAP Push, SIP Push, etc

- Others Enablers: stand for any enabler utilized by the MEM Server or the MEM Client to support additional MEM functionality, e.g. outband notifications, provisioning/device management, transcoding etc

- Email server: provides the user email data storage access (Mail Store) and means of email submission (Message Transfer Agent).

5. Document Listing for Mobile Email 1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[MEM_RD]	OMA-RD-Mobile_Email-V1_0-20090818-C	Requirement Document for Mobile Email Enabler
Architecture Document		
[MEM_AD]	OMA-AD-Mobile_Email-V1_0-20090818-C	Architecture Document for Mobile Email Enabler
Technical Specifications		
[MEM_TS]	OMA-TS-Mobile_Email-V1_0-20090818-C	Specification that defines the protocol for Mobile Email that provides control interface between the MEM Client and MEM Server
[MEM MO]	OMA-TS-Mobile_Email_MO-V1_0-20090818-C	Specification that defines the mobile device Management Object (MO) for Mobile Email Enabler. The MO allows a device to present its configuration in a standardized way, allowing a DM Server to be able to bootstrap, retrieve and manage the configuration of a device
Supporting Files		
[SUP MO]	OMA-SUP-MO_Mobile_Email-V1_0-20090818-C	Description of the Mobile Email Management Object, according to the OMA DM Description Framework

Table 1: Listing of Documents in Mobile Email Enabler

6. OMNA Considerations

This release of Mobile Email has OMNA items for handling [MEM MO].

The OMA MEM Management Object consists of relevant parameters required by the MEM Enabler. It is defined using the OMA DM Device Description Framework as described in [DM].

The OMNA portal needs to add and maintain the following MO into MO registry:

MO Identifier	Description	Owner	Version	MO DDF	MO Spec
urn:oma:mo:oma-memmo:1.0	Mobile E-Mail MO	MWG MEM WG	1.0	OMA-SUP-MO_MEM-V1_0-20090721-D	OMA-TS-Mobile_Email_MO-V1_0-20090724-D

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 Mobile Email 1.0 - Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-Mobile_Email-C-001-<<M/O>>	Mobile Email 1.0 Client	

Table 2: ERDEF for Mobile Email 1.0 Client-side Requirements

9. ERDEF for Mobile Email 1.0 - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-Mobile_Email-S-001-<<M/O>>	Mobile Email 1.0 Server	

Table 3: ERDEF for Mobile Email 1.0 Server-side Requirements

Appendix A.   Change History   (Informative)

A.1   Approved Version History

Reference	Date	Description
		No prior version

A.2   Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELD-Mobile_Email-V1_0	31 Oct 2008	All	Initial t ERELD document of Mobile Email Enabler
	13 Dec 2008	5 6	Updated Docment LisitingAdded MEM MO item
	16 Apr 2009	4.1	Applied the following change request: OMA-MEM-2009-0038-CR_MEM_ERELD_CONRR_E002
	06 May 2009	5	Updated Document Listing
	15 May 2009	5	Updated Document Listing & editorial updates
	13 July 2009	5	Updated Document Listing
	20 July 2009	5	Updated Document Listing
	24 July 2009	All	Applied the following change request: OMA-MEM-2009-0069-CR_MO_Identifier Updated Document Listing
Candidate Versions OMA-ERELD-Mobile_Email-V1_0	18 Aug 2009	All	Status changed to Candidate by TP OMA-TP-2009-0355- INP_Mobile_Email_V1_0_ERP_for_Candidate_Approval