



# **Enabler Release Definition for Mobile Email 1.0**

Candidate Version 1.0 – 18 Aug 2009

---

**Open Mobile Alliance**  
OMA-ERELED-Mobile\_Email-V1\_0-20090818-C

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.

© 2009 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. SCOPE .....4
- 2. REFERENCES .....5
  - 2.1 NORMATIVE REFERENCES .....5
  - 2.2 INFORMATIVE REFERENCES .....5
- 3. TERMINOLOGY AND CONVENTIONS .....6
  - 3.1 CONVENTIONS .....6
  - 3.2 ABBREVIATIONS .....6
- 4. RELEASE VERSION OVERVIEW .....7
  - 4.1 VERSION 1.0 FUNCTIONALITY .....7
- 5. DOCUMENT LISTING FOR MOBILE EMAIL 1.0 .....8
- 6. OMNA CONSIDERATIONS .....9
- 7. CONFORMANCE REQUIREMENTS NOTATION DETAILS .....10
- 8. ERDEF FOR MOBILE EMAIL 1.0 - CLIENT REQUIREMENTS .....11
- 9. ERDEF FOR MOBILE EMAIL 1.0 - SERVER REQUIREMENTS .....12
- APPENDIX A. CHANGE HISTORY (INFORMATIVE) .....13
  - A.1 APPROVED VERSION HISTORY .....13
  - A.2 DRAFT/CANDIDATE VERSION 1.0 HISTORY .....13

# Tables

- Table 1: Listing of Documents in Mobile Email Enabler .....8
- Table 2: ERDEF for Mobile Email 1.0 Client-side Requirements.....11
- Table 3: ERDEF for Mobile Email 1.0 Server-side Requirements.....12

# 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](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 x.y, Open Mobile Alliance™,  
OMA-ORG-Dictionary-Vx\_y, [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].

<b>Enabler Release</b>	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.
<b>Minimum Functionality Description</b>	Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

### 3.2 Abbreviations

<b>ERDEF</b>	Enabler Requirement Definition
<b>ERELD</b>	Enabler Release Definition
<b>OMA</b>	Open Mobile Alliance
<b>OMNA</b>	Open Mobile Naming Authority
<b>MEM</b>	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
<b>Requirement Document</b>		
[MEM_RD]	OMA-RD-Mobile_Email-V1_0-20090818-C	Requirement Document for Mobile Email Enabler
<b>Architecture Document</b>		
[MEM_AD]	OMA-AD-Mobile_Email-V1_0-20090818-C	Architecture Document for Mobile Email Enabler
<b>Technical Specifications</b>		
[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
<b>Supporting Files</b>		
[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-ERELED-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-ERELED-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