



Enabler Release Definition for E-Mail Notification Version 1.0

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Open Mobile Alliance
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1. Scope

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

The scope of OMA EMN includes only the format for the e-mail notification itself. The EMN specification adds value to existing e-mail does not affect existing Internet e-mail transport protocols. Behaviour of the e-mail client and e-mail server are beyond the scope of the EMN specification.

2. References

2.1. Normative References

- [CREQ] “Specification of WAP Conformance Requirements”. Open Mobile Alliance™. WAP-221-CREQ.. [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/) *(To be replaced with proper reference to new corresponding OMA document when approved)*
- [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)
- [EMN] “E-Mail Notification”, Open Mobile Alliance™, OMA-Push-EMN-v1_0 <http://www.openmobilealliance.org/>

2.2. Informative References

- [PUSH] “WAP Push Architectural Overview”. WAP Forum™. WAP-250-PushArchOverview. 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” and “Introduction”, 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 [CREQ].

3.2. Definitions

Enabler Release—a 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

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
EMN	E-Mail Notification

4. Introduction

This document outlines the Enabler Release Definition for E-Mail Notification and the respective conformance requirements for clients and servers claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

The primary objective of the E-Mail Notification specification is to enable e-mail servers to invoke the e-mail client residing on the mobile device using the WAP Push framework [PUSH]. For this purpose, the specification defines a single format for the e-mail notification (EMN) in the form of a new content type that can be pushed to a device using WAP Push. It also defines the EMN User Agent Agent to be the client-side application that handles the EMN and triggers the e-mail client for further action. The e-mail client may then (depending on the implementation and user settings) retrieve the e-mail. This specification will allow e-mail servers to send notifications in a standardised format without the need to address various e-mail client implementations.

5. Enabler Release Specification Baseline

This section is normative.

The following specification comprises the EMN enabler release:

"E-Mail Notification, Version 1.0" [EMN]

6. Minimum Functionality Description for EMN

This section is informative.

The minimum functionality of the EMN specification includes:

- Support for the EMN content type, enabling an e-mail server to invoke the e-mail client residing on a mobile device by sending an EMN via the Push Proxy Gateway.

The EMN specifications also define the following optional functionality:

- Enabling the use of various existing Internet e-mail protocols to retrieve e-mail.
- Enabling the use of a timestamp to specify the date and time associated with a notification.

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 [CREQ].

Feature/Application:

Entry in this column **SHOULD** be a short descriptive label to the **Item** in question.

Status:

Entry in this column **MUST** accurately reflect the architectural status of the **Item** in question.

- M means the **Item** is mandatory for the class
- O means the **Item** is optional for the class
- NA means the **Item** is not applicable for the class

Requirement:

Expression in the column **MUST** be a valid TerminalExpression according to [CREQ] and it **MUST** accurately reflect the architectural requirement of the **Item** in question.

8. ERDEF for EMN - Client Requirements

This section is normative.

Table 1 ERDEF for EMN Client-side Requirements

Item	Feature / Application	Status	Requirement
OMA-ERDEF-EMN-C-001	EMN User Agent	M	EMN:MCF

9. ERDEF for EMN - Server Requirements

This section is normative.

Table 2 ERDEF for EMN Server-side Requirements

Item	Feature / Application	Status	Requirement
OMA-ERDEF-EMN-S-001	Push Proxy Gateway	M	EMN:MSF

Appendix A. Change History (Informative)

Type of Change	Date	Section	Description
Class 0	31-October-2002		Initial version of this document.