



# **Enabler Release Definition for E-Mail Notification**

## **Candidate Version 1.0 – 31 Jul 2004**

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**Open Mobile Alliance**  
OMA-ERELD-EMN-v1\_0-20040731-C

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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

- [IOPProc] “OMA Interoperability Policy and Process”. Open Mobile Alliance™. OMA-IOP-Process-v1\_0. URL: <http://www.openmobilealliance.org>
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### 2.2 Informative References

- [ISO8601] “Data elements and interchange formats - Information interchange - Representation of dates and times”, International Organization For Standardization (ISO), 15-June-1988  
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- [RFC2192] “IMAP URL Scheme”. C. Newman. September 1997. URL: <http://www.ietf.org/rfc/rfc2192.txt>
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- [RFC2822] “Internet Message Format”. P. Pesnick, Ed. April 2001. URL: <http://www.ietf.org/rfc/rfc2822.txt>
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- [PUSHMSG] “Push Message”. WAP Forum™. WAP-251-PushMessage-20010322-a. URL: <http://www.wapforum.org/>
- [PushOTA] “Push OTA Protocol”. WAP Forum™. WAP-235-PushOTA-20010425-a. URL: <http://www.wapforum.org/>
- [PushPAP] “Push Access Protocol”. WAP Forum™. WAP-247-PAP-20010429-a. URL: <http://www.wapforum.org/>
- [WAP] “WAP Architecture”. WAP Forum™. WAP-210-WAPArch-20010712, URL: <http://www.wapforum.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 “**Error! Not a valid bookmark self-reference.**”, are normative, unless they are explicitly indicated to be informative.

The formal notation convention used in sections 4 and **Error! Reference source not found.** 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
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”



## 6. Minimum Functionality Description for EMN

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. ERDEF for EMN - Client Requirements

This section is normative.

**Table 1 ERDEF for EMN Client-side Requirements**

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

## 8. ERDEF for EMN - Server Requirements

This section is normative.

**Table 2 ERDEF for EMN Server-side Requirements**

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

## Appendix A. Change History

(Informative)

### A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No previous version within OMA

### A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Candidate Versions OMA-ERELED-EMN-V1_0	31 Oct 2002	n/a	Original Version
	31 Jul 2004	n/a	Changes for new spec : OMA-Push-EMN-V1_0-20040614-C Including Change requests: OMA-PUSH-2004-0009R03-EMN-1.0-Element-Value-Token-Correction OMA-PUSH-2004-0018R01-CR_EMN-Clerical-Change Notice sent to TP of minor update TP ref # OMA-TP-2004-0326-Email-Notification-1_0Spec+Enabler