



Enabler Release Definition for RESTful Network API for Messaging Candidate Version 1.0 – 09 Jul 2013

Open Mobile Alliance
OMA-ERELED-REST_NetAPI_Messaging-V1_0-20130709-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.

© 2013 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. SCOPE4
- 2. REFERENCES5
 - 2.1 NORMATIVE REFERENCES5
 - 2.2 INFORMATIVE REFERENCES5
- 3. TERMINOLOGY AND CONVENTIONS6
 - 3.1 CONVENTIONS6
 - 3.2 DEFINITIONS6
 - 3.3 ABBREVIATIONS6
- 4. RELEASE VERSION OVERVIEW7
 - 4.1 VERSION 1.0 FUNCTIONALITY7
- 5. DOCUMENT LISTING FOR RESTFUL NETWORK API FOR MESSAGING8
- 6. OMNA CONSIDERATIONS9
- 7. CONFORMANCE REQUIREMENTS NOTATION DETAILS10
- 8. ERDEF FOR REST_NETAPI_MESSAGING11
- APPENDIX A. CHANGE HISTORY (INFORMATIVE)12
 - A.1 APPROVED VERSION HISTORY12
 - A.2 DRAFT/CANDIDATE VERSION 1.0 HISTORY12

Tables

- Table 1: Listing of Documents in the RESTful Network API for Messaging V1.0 Enabler8
- Table 2: OMNA Namespaces9
- Table 3: ERDEF for the RESTful Network API for Messaging V 1.011

1. Scope

The scope of this document is limited to the Enabler Release Definition of the RESTful Network API for Messaging (REST_NetAPI_Messaging) version 1.0 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 2.9, Open Mobile Alliance™,
OMA-ORG-Dictionary-V2_9, [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 section 8 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.

3.3 Abbreviations

API	Application Programming Interface
ERDEF	Enabler Requirement Definition
ERELED	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
REST	Representational State Transfer
XML	Extensible Markup Language

4. Release Version Overview

The scope of this enabler release is to specify a RESTful Network API for Messaging using an HTTP protocol binding.

4.1 Version 1.0 Functionality

The RESTful Network API for Messaging defines REST protocol bindings.

5. Document Listing for RESTful Network API for Messaging

This section is normative. As the RESTful Network API for Messaging is a so-called Fast Track enabler release, no separate Requirements Document and Architecture Document deliverables are produced.

Doc Ref	Permanent Document Reference	Description
Technical Specifications		
[REST_NetAPI_Messaging]	OMA-TS-REST_NetAPI_Messaging-V1_0-20130709-C	RESTful Network API for Messaging
Supporting Files		
[SUP-XSD_rest_netapi_messaging]	OMA-SUP-XSD_rest_netapi_messaging-V1_0-20130709-C	XML schema for the RESTful Network API for Messaging Working file in Schema directory: file: rest_netapi_messaging-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

Table 1: Listing of Documents in the RESTful Network API for Messaging V1.0 Enabler

6. OMNA Considerations

The REST_NetAPI_Messaging enabler introduces the following namespaces.

Note that in order to maintain compatibility between minor versions of the same major version, only the major version is reflected in the namespace identifier. Further note that subsequent minor versions of the same XML schema (e.g. 1.1) will be registered against the same namespace identifier.

Description	Registered URN	Schema Links
Messaging	urn:oma:xml:rest:netapi:messaging:1	http://www.openmobilealliance.org/tech/profiles/rest_netapi_messaging-v1_0.xsd

Table 2: OMNA Namespaces

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 REST_NetAPI_Messaging

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-MSG-S-001-M	RESTful Network API for Messaging [REST_NetAPI_Messaging]	REST-MSG-SUPPORT-S-001-M

Table 3: ERDEF for the RESTful Network API for Messaging V 1.0

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELED- REST_NetAPI_Messaging-V1_0	27 Jun 2011	All	Initial draft baseline document
	29 Jun 2011	Contents	Editorial change; updated list of Contents
	18 Oct 2011	Many	Implemented CR: OMA-ARC-REST-NetAPI-2011-0306- CR_Messaging_ERELED_for_CONR
	12 Dec 2011	Many	Implemented: OMA-ARC-REST-NetAPI-2011-0442- CR_Messaging_ERELED_CONR
	10 Jan 2012	Section 5	Update dates for TS and SUP documents
	12 Jan 2012	All	Changed document from file type ".docx" to ".doc". Updated Permanent Document Reference in section 5. Editorial changes
	18 Jan 2012	Section 5	Editorial, updated the dates of the specs. Also used font/color as per Template in cover page hyperlinks.
Candidate Version OMA-ERELED- REST_NetAPI_Messaging-V1_0	31 Jan 2012	n/a	Status changed to Candidate by TP TP Ref # OMA-TP-2012-0018- INP_REST_NetAPI_Messaging_1_0_ERP_and_ETR_for_Candidate_Approval
Draft Versions OMA-ERELED- REST_NetAPI_Messaging-V1_0	09 Feb 2013	2.2, 5	Updated permanent document references. Reference to OMA Dictionary updated to version 2.9. Template updated.
	25 Jun 2013	5	Updated Permanent Document References Editorial changes
Candidate Version OMA-ERELED- REST_NetAPI_Messaging-V1_0	09 Jul 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0211- INP_REST_NetAPI_Messaging_V1_0_ERP_for_Candidate_re_approval