



# **Enabler Release Definition for RESTful Network API for Network Message Store**

**Candidate Version 1.0 – 28 May 2019**

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**Open Mobile Alliance**  
OMA-ERELED-REST\_NetAPI\_NMS-V1\_0-20190528-C

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# 1. Scope

The scope of this document is limited to the Enabler Release Definition of the RESTful Network API for Network Message Store 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 9 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

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

## 4. Release Version Overview

The scope of this enabler release is to specify a RESTful Network API for Network Message Store 1.0 using an HTTP protocol binding.

### 4.1 Version 1.0 Functionality

The RESTful Network API for Network Message Store 1.0 defines REST protocol bindings.

## 5. Document Listing for RESTful Network API for Network Message Store V1.0

This section is normative.

As the RESTful Network API for Network Message Store 1.0 is a so-called Fast Track enabler release, no separate Requirements Document and Architecture Document deliverable are produced.

| Doc Ref                        | Permanent Document Reference                | Description  |
|--------------------------------|---|--|
| <b>Technical Specification</b> |   |  |
| [REST_NetAPI_NMS]              | OMA-TS-REST_NetAPI_NMS-V1_0-20190528-C      | RESTful Network API for Network Message Store  |
| <b>Supporting File</b>         |   |  |
| [SUP-XSD_rest_nms]             | OMA-SUP-XSD_rest_netapi_nms-V1_0-20190528-C | XML schema for the RESTful Network API for Network Message Store<br>Working file in Schema directory:<br>file: rest_netapi_nms-v1_0.xsd<br>path: <a href="http://www.openmobilealliance.org/tech/profiles/">http://www.openmobilealliance.org/tech/profiles/</a> |

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



## 6. OMNA Considerations

The RESTful Network API for Network Message Store 1.0 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  |
|-----------------------|-------------------------------|---|
| Network Message Store | urn:oma:xml:rest:netapi:nms:1 | <a href="http://www.openmobilealliance.org/tech/profiles/rest_netapi_nms-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_netapi_nms-v1_0.xsd</a> |

**Table 2: OMNA Namespaces**

Exception codes as defined in section 7 of [REST\_NetAPI\_NMS] are requested to be added to the RESTful Network API Exception Codes Registry, if applicable.

## 7. API Considerations

| API Information                            |                               |  |   |                  |
|--|-------------------------------|--|---|------------------|
| API Name                                   | Technical Specification       | API Description  | API Category                                | Protocol Binding |
| NMS  | OMA-TS-REST_NetAPI_NMS - V1_0 | This API provides the ability for an “authorized” application (on behalf of the user) to manage user’s messages which are stored in the network message storage. | Network API                                 | RESTful http     |
| Previous Release                           |                               |  |   |                  |
| Technical Specifications                   |                               |  | Publication Release                         |                  |
| None                                       |                               |  | n/a   |                  |
| Supporting Material                        |                               |  |   |                  |
| Name                                       |                               |  | Publication Release                         |                  |
| OMA-SUP-XSD_rest_netapi_nms-V1_0           |                               |  | This Release                                |                  |
| OMA-TS-REST_NetAPI_Common-V1_0             |                               |  | OMA-RRP-REST_NetAPI_Common-V1_0             |                  |
| OMA-SUP-XSD_rest_netapi_common-V1_0        |                               |  | OMA-RRP-REST_NetAPI_Common-V1_0             |                  |
| Related Material                           |                               |  |   |                  |
| Name                                       |                               |  | Publication Release                         |                  |
| OMA-WP-Guidelines_for_RESTful_Network_APIs |                               |  | OMA-RRP-Guidelines_for_RESTful_Network_APIs |                  |
| Profile Information                        |                               |  |   |                  |
| Name                                       |                               |  | Publication Release                         |                  |
| n/a  |                               |  | n/a   |                  |

## 8. 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.

## 9. ERDEF for REST\_NMS

This section is normative.

| Item                       | Feature / Application   | Requirement              |
|----------------------------|---|--------------------------|
| OMA-ERDEF-REST-NMS-S-001-M | RESTful Network API for Network Message Store 1.0 [REST_NetAPI_NMS] | REST-NMS-SUPPORT-S-001-M |

**Table 3: ERDEF for the RESTful Network API for Network Message Store 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<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0    | 19 Mar 2013 | All      | Initial draft baseline document.   |
|  | 30 Jan 2014 | All      | Incorporates OMA-ARC-REST-NMS-2014-0018-CR_EREELD_cleanup  |
|  | 12 Feb 2014 | 5        | Updated permanent document list prior to Consistency review  |
|  | 30 Jun 2014 | 5        | Updated permanent document list prior to Consistency review Closure  |
|  | 03 Jul 2014 | 5        | Updated permanent document list prior to Candidate Approval  |
| Candidate Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0 | 15 Jul 2014 | All      | Status changed to Candidate by TP<br>TP Ref # OMA-TP-2014-0155-<br>INP_REST_NetAPI_NMS_V1_0_ERP_and_ETR_for_Candidate_Approval |
| Draft Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0     | 05 Dec 2014 | 5        | Editorial update of permanent document references in section 5   |
| Candidate Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0 | 16 Dec 2014 | All      | Status changed to Candidate by TP<br>TP Ref # OMA-TP-2014-0278-<br>INP_REST_NetAPI_NMS_V1_0_ERP_for_Candidate_re_approval      |
| Draft Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0     | 01 Feb 2016 | 5        | Editorial update of permanent document references in section 5   |
| Candidate Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0 | 09 Feb 2016 | All      | Status changed to Candidate by TP<br>TP Ref # OMA-TP-2016-0031-<br>INP_REST_NetAPI_NMS_V1_0_ERP_for_Candidate_re_approval      |
| Draft Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0     | 07 Jun 2018 | 5        | Editorial update of permanent document references in section 5   |
| Candidate Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0 | 13 Jun 2018 | n/a      | Status changed to Candidate by ARC<br>Doc Ref # OMA-ARC-2018-0022-<br>INP_REST_NetAPI_NMS_V1_0_ERP_for_Candidate_reApproval    |
| Draft Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0     | 20 May 2019 | 5        | Updated permanent document references<br>Applied latest template   |
| Candidate Version<br>OMA-EREELD-<br>REST_NetAPI_NMS-V1_0 | 28 May 2019 | n/a      | Status changed to Candidate by ARC WG<br>Doc Ref # OMA-ARC-2019-0010-<br>INP_REST_NetAPI_NMS_V1_0_ERP_for_Candidate_approval   |