

Enabler Release Definition for RESTful Network API for Notification Channel

Candidate Version 1.0 – 19 Mar 2020

Open Mobile Alliance
OMA-ERELD-REST_NetAPI_NotificationChannel-V1_0-20200319-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 Notification Channel (REST_NetAPI_NotificationChannel) 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 2.8, Open Mobile Alliance™,
OMA-ORG-Dictionary-V2_8, [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

API	Application Programming Interface
ERDEF	Enabler Requirement Definition
ERELD	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 Notification Channel using an HTTP protocol binding.

4.1 Version 1.0 Functionality

The RESTful Network API for Notification Channel defines REST protocol bindings.

5. Document Listing for RESTful Network API for Notification Channel

This section is normative. As the RESTful Network API for Notification Channel 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 Specification		
[REST_NetAPI_NotificationChannel]	OMA-TS-REST_NetAPI_NotificationChannel-V1_0-20200319-C	RESTful Network API for Notification Channel
Supporting File		
[SUP-XSD_rest_netapi_notificationchannel]	OMA-SUP-XSD_rest_netapi_notificationchannel-V1_0-20200319-C	XML schema for the RESTful Network API for Notification Channel Working file in Schema directory: file: rest_netapi_notificationchannel-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

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

6. OMNA Considerations

The REST_NetAPI_NotificationChannel 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
Notification Channel	urn:oma:xml:rest:netapi:notificationchannel:1	http://www.openmobilealliance.org/tech/profiles/rest_netapi_notificationchannel-v1_0.xsd

Table 2: OMNA Namespaces

7. API Considerations

API Name	Protocol Binding
Notification Channel	RESTful http

Table 3: API Information

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_NetAPI_NotificationChannel

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-NC-S-001-M	Notification Channel RESTful Network API [REST_NetAPI_NotificationChannel]	REST-NC-SUPPORT-S-001-M

Table 4: ERDEF for the RESTful Network API for Notification Channel 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_NotificationChanne l-V1_0	24 May 2011	All	Initial draft baseline document
	29 Jun 2011	5, A.2	Corrected wrong version number for Draft/Candidate, as per AI REST-NetAPI-2011-A072
	25 Jul 2011	8	Abbreviation NOTIFCH replaced by NC, as per OMA-ARC-REST-NetAPI-2011-0141-CR_ERELED_NC_requirement_name_alignment
	21 Sep 2011	5	Updated document numbers for referenced permanent documents
	03 Nov 2011	Many	Editorial comments as per, OMA-ARC-REST-NetAPI-2011-0331-CR_NC_ERELED_CONRR_comments_resolution
	20 Dec 2011	5	Updated document numbers for referenced permanent documents
Candidate Version OMA-ERELED- REST_NetAPI_NotificationChanne l-V1_0	17 Jan 2012	n/a	Status changed to Candidate by TP TP Ref # OMA-TP-2012-0007- INP_REST_NetAPI_NotificationChannel_1_0_ERP_and_ETR_for_Candidate_ Approval
Draft Version OMA-ERELED- REST_NetAPI_NotificationChanne l-V1_0	18 Jul 2013	5	Updated Permanent Document References Applied latest template. Editorial changes.
Candidate Version OMA-ERELED- REST_NetAPI_NotificationChanne l-V1_0	30 Jul 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0224- INP_REST_NetAPI_NotificationChannel_V1_0_ERP_for_Candidate_re_appro val
Draft Version OMA-ERELED- REST_NetAPI_NotificationChanne l-V1_0	11 Dec 2015	5	Editorial update of permanent document references in section 5
Candidate Version OMA-ERELED- REST_NetAPI_NotificationChanne l-V1_0	22 Dec 2015	All	Status changed to Candidate by TP TP Ref # OMA-TP-2015-0220- INP_REST_NetAPI_NotificationChannel_V1_0_ERP_for_Candidate_re_appro val
Draft Version OMA-ERELED- REST_NetAPI_NotificationChanne l-V1_0	16 Mar 2020	7	Incorporated CR: OMA-ARC-REST-NetAPI-2020-0001- CR_NotificationChannel_ERELED_API_Considerations_sec7 Editorial changes
Candidate Version OMA-ERELED- REST_NetAPI_NotificationChanne l-V1_0	19 Mar 2020	n/a	Status changed to Candidate by ARC WG ARC WG Ref # OMA-ARC-2020-0003- INP_REST_NetAPI_NotificationChannel_V1_0_ERP_for_Candidate_Approval