Enabler Release Definition for RESTful Network API for Quality of Service

Candidate Version 1.0 – 23 Oct 2015

Open Mobile Alliance

OMA-ERELD-REST_NetAPI_QoS-V1_0-20151023-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 Quality of Service 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
[SCRRULES]	"SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL: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/

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 Quality of Service 1.0 using an HTTP protocol binding.

4.1 Version 1.0 Functionality

The RESTful Network API for Quality of Service 1.0 defines REST protocol bindings.

5. Document Listing for RESTful Network API for Quality of Service V1.0

This section is normative. As the RESTful Network API for Quality of Service 1.0 is a so-called Fast Track enabler release, no separate Architecture Document deliverable is produced.

Doc Ref	Permanent Document Reference	Description
Requirements Document		
[RD-REST_NetAPI_QoS]	OMA-RD-REST_NetAPI_QoS-V1_0-20141125-C	Requirements Document for the RESTful Network API for Quality of Service
Technical Specification		
[REST_NetAPI_QoS]	OMA-TS-REST_NetAPI_QoS-V1_0-20151023-C	Technical Specification for the RESTful Network API for Quality of Service
Supporting File		
[SUP-XSD_rest_netapi_qos]	OMA-SUP-XSD_rest_netapi_qos-V1_0-20141125-C	XML schema for the RESTful Network API for Quality of Service Working file in Schema directory: file: rest_netapi_qos-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

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

6. OMNA Considerations

The RESTful Network API for Quality of Service 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
Quality of Service	urn:oma:xml:rest:netapi:qos:1	http://www.openmobilealliance.org/tech/profiles/rest_netapi_qos-v1_0.xsd

Table 2: OMNA Namespaces

Exception codes as defined in section 7 of [REST_NetAPI_QoS] 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**
Quality of Service	OMA-TS-REST_NetAPI_QoS-V1_0	This API enables applications to dynamically request to change the quality of service available on an end user network connection.	Network API	RESTful HTTP
Previous Release				
Technical Specifications		**Publication Release**		
None		n/a		
Supporting Material				
Name		**Publication Release**		
OMA-SUP-XSD_rest_netapi_qos-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_NetAPI_QoS

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-QOS-S-001-M	RESTful Network API for Quality of Service 1.0 [REST_NetAPI_QoS]	REST-QOS-SUPPORT-S-001-M

Table 3: ERDEF for the RESTful Network API for Quality of Service 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-ERELD- REST_NetAPI_QoS-V1_0	31 Jan 2013	All	Initial draft baseline document.
	16 Apr 2014	Many	Implemented CR: OMA-ARC-REST-QoS-2014-0018-CR_ERELD_clarifications_and_bug_fixing
	15 May 2014	5	Updated permanent document list prior to Consistency Review Editorial changes
	05 Nov 2014	5, 7	Implemented CR: OMA-ARC-REST-QoS-2014-0033- CR_ERELD_CONRR_comments_resolution
Candidate Version OMA-ERELD- REST_NetAPI_QoS-V1_0	25 Nov 2014	All	Status changed to Candidate by TP TP Ref # OMA-TP-2014-0266- INP_REST_NetAPI_QoS_V1_0_ERP_and_ETR_for_Candidate_Approval
Draft Version OMA-ERELD- REST_NetAPI_QoS-V1_0	23 Oct 2015	5	Editorial update of permanent document references in section 5
Candidate Version OMA-ERELD- REST_NetAPI_QoS-V1_0	23 Oct 2015	All	Status changed to Candidate by TP TP Ref # OMA-TP-2015-0169- INP_REST_NetAPI_QoS_V1_0_ERP_for_Notification