



Reference Release Definition for
Common definitions for RESTful Network APIs
Candidate Version 1.0 – 17 Apr 2012

Open Mobile Alliance
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1. Scope

The scope of this document is limited to the Reference Release Definition of Common definitions for RESTful Network APIs according to OMA Release process and the Reference Release document 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>

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/>

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 “Release Version Overview” are normative, unless they are explicitly indicated to be informative.

3.2 Definitions

Reference Release A set of specifications and/or white papers which form a formal deliverable of OMA. The release can be referenced or otherwise used to support implementable enabler releases, but it cannot by itself be implemented in products.

Reference Release Definition A definition of the documents that are included in a Reference Release.

3.3 Abbreviations

API Application Programming Interface

OMA Open Mobile Alliance

OMNA Open Mobile Naming Authority

RRELD Reference Release Definition

REST Representational State Transfer

4. Release Version Overview

To ensure consistency for developers using the various RESTful Network APIs specified in OMA, this Reference Release provides the “Common Definitions and Specifications for RESTful Network APIs”, i.e. aims to contain all items that are common across all HTTP protocol bindings using REST architectural style for the various individual interface definitions, such as naming conventions, content type negotiation, representation formats and serialization, and fault definitions. It also provides a repository for common data types

4.1 Version 1.0 Functionality

This Reference Release is aiming to assist API designers in OMA for defining RESTful Network API specifications by providing design recommendations and pointing at good design practices. The Reference Release consists of a number of recommendations and examples on how to solve certain API design issues.

5. Document Listing for Common definitions for RESTful Network APIs

This section is normative.

Doc Ref	Permanent Document Reference	Description
Technical Specification		
[REST_NetAPI_Common]	OMA-TS-REST_NetAPI_Common-V1_0-20120417-C	Common definitions TS for RESTful Network APIs
Supporting File		
[SUP-XSD_rest_netapi_common]	OMA-SUP-XSD_rest_netapi_common-V1_0-20120417-C	Common XML data type definitions for RESTful Network APIs Working file in Schema directory: file: rest_netapi_common-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

Table 1: Listing of Documents in Common definitions for RESTful Network APIs Reference Release

6. OMNA Considerations

The REST_NetAPI_Common enabler introduces the following namespace.

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
Common XML data type definitions for RESTful Network APIs	urn:oma:xml:rest:netapi:common:1	http://www.openmobilealliance.org/tech/profiles/rest_netapi_common-v1_0.xsd

Table 2: OMNA Namespaces

Appendix A. Change History (Informative)

A.1 Approved Version History

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

A.2 Draft Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-RRELD-REST_NetAPI_Common-V1_0	27 Jun 2011	All	Initial draft baseline document OMA-ARC-REST-NetAPI-2011-0103- INP_Draft_RRELD_for_RESTful_Network_API_Common_TS_
	14 Feb 2012	Some	Editorial updates according to consistency review comment in OMA- CONRR-REST_NetAPI_Common-V1_0
	21 Mar 2012	5	Updated Permanent Document References Editorial changes
	10 Apr 2012	5	Updated Permanent Document References Editorial changes
Candidate Version OMA-RRELD-REST_NetAPI_Common-V1_0	17 Apr 2012	All	Status changed to Candidate by TP TP Ref # OMA-TP-2012-0175- INP_REST_NetAPI_Common_1_0_RRP_for_Candidate_Approval