



Enabler Release Definition for
OneAPI Profile of RESTful Network APIs
Candidate Version 3.0 – 27 Mar 2012

Open Mobile Alliance
OMA-ERELED-REST_NetAPI_OneAPIProfile-V3_0-20120327-C

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1. Scope

The scope of this document is limited to the Reference Release Definition of the OneAPI Profile of RESTful Network APIs (REST_NetAPI_OneAPIProfile) version 3.0 according to OMA Release process and the Reference Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [REST_NetAPI_OneAPI] OneAPI Profile of RESTful Network APIs”, Open Mobile Alliance™, OMA-TS-REST_NetAPI_OneAPIProfile-V3_0, [URL: http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, URL:<http://www.ietf.org/rfc/rfc2119.txt>
- [SCR RULES] “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 sections 8 and 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 reference release is to specify the OneAPI Profile of RESTful Network APIs.

4.1 Version 3.0 Functionality

The OneAPI Profile of RESTful Network APIs V3.0 is a republication of the OneAPI Profile of ParlayREST V2.0 as part of the suite of OMA RESTful Network APIs. Mainly structural changes to fit that suite, but also a few functional changes have been applied.

Version 3.0 of the OneAPI Profile of RESTful Network APIs defines subsets of the following APIs:

- RESTful Network API for Short Messaging V 1.0
- RESTful Network API for Messaging V 1.0
- RESTful Network API for Terminal Location V 1.0
- RESTful Network API for Payment V 1.0
- RESTful Network API for Device Capabilities V 1.0
- RESTful Network API for Terminal Status V 1.0
- RESTful Network API for Third Party Call V 1.0 and Call Notification V 1.0 and Audio Call V 1.0 (jointly referred to as Call Control APIs)

The RESTful Network APIs for Messaging and Payment have undergone changes which make them different in details from their ParlayREST V2.0 counterparts. Further details can be found in the actual specifications.

5. Document Listing for the OneAPI Profile of RESTful Network APIs

This section is normative.

Doc Ref	Permanent Document Reference	Description
Technical Specifications		
[REST_NetAPI_OneAPI]	OMA-TS-REST_NetAPI_OneAPIProfile-V3_0-20120327-C	OneAPI Profile of RESTful Network APIs

Table 1: Listing of Documents in the OneAPI Profile of RESTful Network APIs V3.0 Enabler Release

6. OMNA Considerations

This release does not have any OMNA items for handling.

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 OneAPI Profile of RESTful Network APIs - Client Requirements

None specified.

9. ERDEF for OneAPI Profile of RESTful Network APIs - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-ONEAPI-S-001-O	Short Messaging Profile [REST_NetAPI_OneAPI]	ONEAPI-SMS-S-001-O
OMA-ERDEF-REST-ONEAPI-S-002-O	Messaging Profile [REST_NetAPI_OneAPI]	ONEAPI-MSG-S-001-O
OMA-ERDEF-REST-ONEAPI-S-003-O	TerminalLocation Profile [REST_NetAPI_OneAPI]	ONEAPI-LOC-S-001-O
OMA-ERDEF-REST-ONEAPI-S-004-O	Payment Profile [REST_NetAPI_OneAPI]	ONEAPI-PAY-S-001-O
OMA-ERDEF-REST-ONEAPI-S-005-O	TerminalStatus Profile [REST_NetAPI_OneAPI]	ONEAPI-STA-S-001-O
OMA-ERDEF-REST-ONEAPI-S-006-O	DeviceCapabilities Profile [REST_NetAPI_OneAPI]	ONEAPI-DEV-S-001-O
OMA-ERDEF-REST-ONEAPI-S-007-O	CallControl Profile [REST_NetAPI_OneAPI]	ONEAPI-CALL-S-001-O

Table 2: ERDEF for OneAPI Profile of RESTful Network APIs - Server-side Requirements

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 3.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-EREELD- REST_NetAPI_OneAPIProfile- V3_0	14 Jul 2011	All	Initial draft baseline document
	18 Oct 2011	4.1, 5	Implemented CR OMA-ARC-REST-NetAPI-2011-0311- CR_OneAPI_ERELD_prep_for_CONR
	11 Jan 2012	Many	Implemented CR OMA-ARC-REST-NetAPI-2011-0447- CR_OneAPIProf_ERELD_CONRR_Resolution
	27 Jan 2012	Many	Changed the version number to 3.0 as per request from GSMA
	13 Mar 2012	5	Updated permanent document references for OneAPIProfile TS
Candidate Version OMA-EREELD- REST_NetAPI_OneAPIProfile- V3_0	27 Mar 2012	All	Status changed to Candidate by TP TP Ref # OMA-TP-2012-0129- INP_REST_NetAPI_OneAPIProfile_3_0_ERP_and_ETR_for_Candidate_Appr oval