



Enabler Release Definition for RESTful Network APIs for Rich Communications

Approved Version 1.0 – 16 Apr 2013

Open Mobile Alliance
OMA-ERELED-REST_NetAPI_RCSPProfile-V1_0-20130416-A

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1. Scope

The scope of this document is limited to the Enabler Release Definition of the RESTful Network API for Rich Communications 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 8 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.

Minimum Functionality Description Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

3.3 Abbreviations

API	Application Programming Interface
ERDEF	Enabler Requirement Definition
ERELED	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 RESTful Network APIs for Rich Communications using an HTTP protocol binding.

4.1 Version 1.0 Functionality

The RESTful Network APIs for Rich Communications version 1.0 defines subsets of the following APIs:

- RESTful Network API for Image Share V 1.0
- RESTful Network API for Messaging V 1.0
- RESTful Network API for Video Share V 1.0
- RESTful Network API for File Transfer V 1.0
- RESTful Network API for Address Book V 1.0
- RESTful Network API for Chat V 1.0
- RESTful Network API for Presence V 1.0
- RESTful Network API for Notification Channel V 1.0
- RESTful Network API for Third Party Call V 1.0
- RESTful Network API for Call Notification V 1.0

5. Document Listing for RESTful Network API for Rich Communications

This section is normative. As the RESTful Network APIs for Rich Communications is a so-called Fast Track enabler release, no Architecture Document is produced.

Doc Ref	Permanent Document Reference	Description
Technical Specifications		
[RD_RC_API]	OMA-RD-REST_NetAPI_RCSPProfile-V1_0-20130416-A	Requirements for APIs for Rich Communications
Technical Specifications		
[REST_NetAPI_RCSPProfile]	OMA-TS-REST_NetAPI_RCSPProfile-V1_0-20130416-A	RCS Profile of RESTful Network APIs

Table 1: Listing of Documents in the RESTful Network APIs for Rich Communications V1.0 Enabler

6. OMNA Considerations

There are no OMNA considerations in this version of the enabler.

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 RESTful Network APIs for Rich Communications - Client Requirements

None specified.

9. ERDEF for RESTful Network APIs for Rich Communications - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-RCAPI-S-001-O	Image Share Profile [REST_NetAPI_OneAPI]	RCS-IMAGESHARE-S-001-O
OMA-ERDEF-REST-RCAPI-S-002-O	Call Notification Profile [REST_NetAPI_RCSPProfile]	RCS-CALLNOTIF-S-001-O
OMA-ERDEF-REST-RCAPI-S-003-O	Messaging Profile [REST_NetAPI_RCSPProfile]	RCS-MESSAGING-S-001-O
OMA-ERDEF-REST-RCAPI-S-004-O	Video Share Profile [REST_NetAPI_RCSPProfile]	RCS-VIDEOSHARE-S-001-O
OMA-ERDEF-REST-RCAPI-S-005-O	File Transfer Profile [REST_NetAPI_RCSPProfile]	RCS-FILETRANSFER-S-001-O
OMA-ERDEF-REST-RCAPI-S-005-O	Presence Profile [REST_NetAPI_RCSPProfile]	RCS-PRESENCE-S-001-O
OMA-ERDEF-REST-RCAPI-S-007-O	Address Book Profile [REST_NetAPI_RCSPProfile]	RCS-NETAB-S-001-O
OMA-ERDEF-REST-RCAPI-S-008-O	Chat Profile [REST_NetAPI_RCSPProfile]	RCS-CHAT-S-001-O
OMA-ERDEF-REST-RCAPI-S-009-O	ThirdParty Call Profile [REST_NetAPI_RCSPProfile]	RCS-3PC-S-001-O
OMA-ERDEF-REST-RCAPI-S-010-O	Notification Channel Profile [REST_NetAPI_RCSPProfile]	RCS-NOTIFCHNL-S-001-O

Table 2: ERDEF for the RESTful Network API for Rich Communications V 1.0 - Server-Side Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-REST_NetAPI_RCSPProfile-V1_0-20130416-A	16 Apr 2013	Status changed to Approved by TP TP Ref # OMA-TP-2013-0103-INP_RC_APIs_V1_0_ERP_for_Final_Approval