



Enabler Release Definition for  
RESTful Network APIs for Rich Communications  
Candidate Version 1.0 – 08 May 2012

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**Open Mobile Alliance**  
OMA-ERELD-REST\_NetAPI\_RCSPProfile-V1\_0-20120508-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 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 [SCR RULES].

### 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

<b>API</b>	Application Programming Interface
<b>ERDEF</b>	Enabler Requirement Definition
<b>ERELED</b>	Enabler Release Definition
<b>OMA</b>	Open Mobile Alliance
<b>OMNA</b>	Open Mobile Naming Authority
<b>REST</b>	Representational State Transfer
<b>XML</b>	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
<b>Technical Specifications</b>		
[RD_RC_API]	OMA-RD-REST_NetAPI_RCSPProfile-V1_0-20120508-C	Requirements for APIs for Rich Communications
<b>Technical Specifications</b>		
[REST_NetAPI_RCSPProfile]	OMA-TS-REST_NetAPI_RCSPProfile-V1_0-20120508-C	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
n/a	n/a	No prior version

### A.2 Draft Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELED-REST_NetAPI_RC-V1_0	21 Jun 2011	All	Initial draft baseline document
	01 Feb 2012	5	Updated Permanent Document References. Editorial changes
Draft Versions OMA-ERELED-REST_NetAPI_RCSPProfile-V1_0	01 Mar 2012	File name	Updated Permanent Document name
	25 Apr 2012	5	Updated Permanent Document References Editorial changes
	27 Apr 2012	All	Incorporated OMA-ARC-RC-APIs-2012-0017-CR_RCS_ERELED_update
	01 May 2012	A.2	Added updated document identifier and missing entry. Editorial changes
Candidate Version OMA-ERELED-REST_NetAPI_RCSPProfile-V1_0	08 May 2012	All	Status changed to Candidate by TP TP Ref # OMA-TP-2012-0193- INP_RC_APIs_1_0_ERP_and_ETR_for_Candidate_Approval