



Enabler Release Definition for  
RESTful Network API for WebRTC Signaling  
Candidate Version 1.0 – 11 Feb 2014

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**Open Mobile Alliance**  
OMA-ERELED-REST\_NetAPI\_WebRTCSignaling-V1\_0-20140211-C

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# Contents

- 1. SCOPE .....4
- 2. REFERENCES .....5
  - 2.1 NORMATIVE REFERENCES .....5
  - 2.2 INFORMATIVE REFERENCES .....5
- 3. TERMINOLOGY AND CONVENTIONS .....6
  - 3.1 CONVENTIONS .....6
  - 3.2 DEFINITIONS .....6
  - 3.3 ABBREVIATIONS .....6
- 4. RELEASE VERSION OVERVIEW .....7
  - 4.1 VERSION 1.0 FUNCTIONALITY .....7
- 5. DOCUMENT LISTING FOR RESTFUL NETWORK API FOR WEBRTC SIGNALING V1.0 .....8
- 6. OMNA CONSIDERATIONS .....9
- 7. API CONSIDERATIONS .....10
- 8. CONFORMANCE REQUIREMENTS NOTATION DETAILS .....11
- 9. ERDEF FOR REST\_NETAPI\_WEBRTCSIGNALING .....12
- APPENDIX A. CHANGE HISTORY (INFORMATIVE) .....13
  - A.1 APPROVED VERSION HISTORY .....13
  - A.2 DRAFT/CANDIDATE VERSION 1.0 HISTORY .....13

# Tables

- Table 1: Listing of Documents in the RESTful Network API for WebRTC Signaling V1.0 Enabler .....8
- Table 2: OMNA Namespaces .....9
- Table 3: ERDEF for the RESTful Network API for WebRTC Signaling V 1.0 .....12

# 1. Scope

The scope of this document is limited to the Enabler Release Definition of the RESTful Network API for WebRTC Signaling 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 2.9, Open Mobile Alliance™, OMA-ORG-Dictionary-V2\_9, [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 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

<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 a RESTful Network API for WebRTC Signaling using an HTTP protocol binding.

### 4.1 Version 1.0 Functionality

The RESTful Network API for WebRTC Signaling defines REST protocol bindings.

## 5. Document Listing for RESTful Network API for WebRTC Signaling V1.0

This section is normative. As the RESTful Network API for WebRTC Signaling is a so-called Fast Track enabler release, no separate Requirements Document and Architecture Document deliverables are produced.

Doc Ref	Permanent Document Reference	Description
<b>Technical Specification</b>		
[REST_NetAPI_WRTCSig]	OMA-TS-REST_NetAPI_WebRTCSignaling-V1_0-20140211-C	RESTful Network API for WebRTC Signaling
<b>Supporting File</b>		
[SUP-XSD_rest_netapi_wrtcsig]	OMA-SUP-XSD_rest_netapi_webrtcsignaling-V1_0-20140211-C	XML schema for the RESTful Network API for WebRTC Signaling Working file in Schema directory: file: rest_netapi_webrtcsignaling-v1_0.xsd path: <a href="http://www.openmobilealliance.org/tech/profiles/">http://www.openmobilealliance.org/tech/profiles/</a>

**Table 1: Listing of Documents in the RESTful Network API for WebRTC Signaling V1.0 Enabler**



## 6. OMNA Considerations

The REST\_NetAPI\_WebRTCSignaling 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
WebRTC Signaling	urn:oma:xml:rest:netapi:webrtcsignaling:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_netapi_webrtcsignaling-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_netapi_webrtcsignaling-v1_0.xsd</a>

**Table 2: OMNA Namespaces**

Exception codes as defined in section 7 of [REST\_NetAPI\_WebRTCSignaling] 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
WebRTC Signaling	OMA-TS-REST_NetAPI_WebRTCSignaling-V1_0	This API allows applications to initiate outgoing call sessions, and to participate in incoming call sessions, based on WebRTC and/or the SDP offer/answer mechanism.	Network API	RESTful http
Previous Release				
Technical Specifications			Publication Release	
None			n/a	
Supporting Material				
Name			Publication Release	
OMA-SUP-XSD_rest_netapi_webrtcsignaling-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\_WebRTCSignaling

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-WRTCSIG-S-001-M	WebRTC Signaling RESTful Network API [REST_NetAPI_WRTCSig]	REST-WRTCSIG-SUPPORT-S-001-M

**Table 3: ERDEF for the RESTful Network API for WebRTC Signaling 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-ERELED- REST_NetAPI_VVoIP-V1_0	20 Mar 2013	All	Initial draft baseline document
	09 Oct 2013	5	Updated for CONR preparation
	11 Nov 2013	7	CR OMA-ARC-REST-VVOIP-2013-0043-CR_CONR_ERELED incorporated
Draft Versions OMA-ERELED- REST_NetAPI_WebRTCSignaling- V1_0	14 Jan 2014	Many	CR OMA-ARC-REST-VVOIP-2013-0054-CR_Spec_renaming_ERELED incorporated
	29 Jan 2014	5	Updated the permanent document list prior to Consistency review closure Editorial changes
	03 Feb 2014	5	Updated permanent document reference Editorial changes
Candidate Version OMA-ERELED- REST_NetAPI_WebRTCSignaling- V1_0	11 Feb 2014	All	Status changed to Candidate by TP TP Ref # OMA-TP-2014-0030- INP_REST_NetAPI_WebRTCSignaling_V1_0_ERP_and_ETR_for_Candidate_Approval