



Enabler Release Definition for RCS Profile of RESTful Network APIs

Candidate Version 3.0 – 03 Feb 2015

Open Mobile Alliance
OMA-ERELED-REST_NetAPI_RCSPProfile-V3_0-20150203-C

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1. Scope

The scope of this document is limited to the Reference Release Definition of the RCS Profile of RESTful Network APIs 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_RCS] “RCS Profile of RESTful Network APIs”, Open Mobile Alliance™, OMA-TS-REST_NetAPI_RCSPProfile-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](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 2.9, 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 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

For the purpose of this ERELD, all definitions from the OMA Dictionary [OMADICT] apply.

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 |
| RCS | Rich Communication Suite |
| REST | REpresentational State Transfer |
| TS | Technical Specification |
| XML | eXtensible Markup Language |

4. Release Version Overview

The scope of this reference release is to specify the RCS Profile of RESTful Network APIs version 3.0.

4.1 Version 3.0 Functionality

Version 3.0 of the RCS Profile of RESTful Network APIs 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
- RESTful Network API for Terminal Location V 1.0
- RESTful Network API for Anonymous Customer Reference Management V1.0
- RESTful Network API for Capability Discovery V1.0
- RESTful Network API for Network Message Storage V1.0
- RESTful Network API for WebRTC Signaling V1.0

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

This section is normative.

| Doc Ref | Permanent Document Reference | Description |
|--------------------------------|--|-------------------------------------|
| Technical Specification | | |
| [REST_NetAPI_RCS] | OMA-TS-REST_NetAPI_RCSPProfile-V3_0-20150203-C | RCS Profile of RESTful Network APIs |

Table 1: Listing of Documents in the RCS 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 RCS Profile of RESTful Network APIs - Client Requirements

None specified.

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

This section is normative.

| Item | Feature / Application | Requirement |
|----------------------------|--|--------------------------|
| OMA-ERDEF-REST-RCS-S-001-O | Image Share Profile [REST_NetAPI_RCS] | RCS-IMAGESHARE-S-001-O |
| OMA-ERDEF-REST-RCS-S-002-O | Call Notification Profile [REST_NetAPI_RCS] | RCS-CALLNOTIF-S-001-O |
| OMA-ERDEF-REST-RCS-S-003-O | TerminalLocation Profile [REST_NetAPI_RCS] | RCS-LOCATION-S-001-O |
| OMA-ERDEF-REST-RCS-S-004-O | Video Share Profile [REST_NetAPI_RCS] | RCS-VIDEOSHARE-S-001-O |
| OMA-ERDEF-REST-RCS-S-005-O | File Transfer Profile [REST_NetAPI_RCS] | RCS-FILETRANSFER-S-001-O |
| OMA-ERDEF-REST-RCS-S-006-O | Presence Profile [REST_NetAPI_RCS] | RCS-PRESENCE-S-001-O |
| OMA-ERDEF-REST-RCS-S-007-O | Address Book Profile [REST_NetAPI_RCS] | RCS-NETAB-S-001-O |
| OMA-ERDEF-REST-RCS-S-008-O | Chat Profile [REST_NetAPI_RCS] | RCS-CHAT-S-001-O |
| OMA-ERDEF-REST-RCS-S-009-O | ThirdParty Call Profile [REST_NetAPI_RCS] | RCS-3PC-S-001-O |
| OMA-ERDEF-REST-RCS-S-010-O | Notification Channel Profile [REST_NetAPI_RCS] | RCS-NOTIFCHNL-S-001-O |
| OMA-ERDEF-REST-RCS-S-011-O | Messaging Profile [REST_NetAPI_RCS] | RCS-MESSAGING-S-001-O |
| OMA-ERDEF-REST-RCS-S-012-O | Anonymous Customer Reference management Profile [REST_NetAPI_RCS] | RCS-ACRM-S-001-O |
| OMA-ERDEF-REST-RCS-S-013-O | Capability Discovery Profile [REST_NetAPI_RCS] | RCS-CAPDIS-S-001-O |
| OMA-ERDEF-REST-RCS-S-014-O | NMS Profile [REST_NetAPI_RCS] | RCS-NMS-S-001-O |
| OMA-ERDEF-REST-RCS-S-015-O | WRTCSig Profile [REST_NetAPI_RCS] | RCS-WRTCSIG-S-001-O |

Table 2: ERDEF for RCS 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-ERELED- REST_NetAPI_RCSPProfile-V3_0 | 19 Mar 2013 | All | Initial version of the document |
| | 03 Sep 2014 | 5 | Editorial update of permanent document references in section 5 |
| | 18 Dec 2014 | 2, 3.3, 4.1, 5, 9 | Incorporated CR: OMA-ARC-RCS-Profile3-2014-0016- CR_ERELED_CONRR_comments_resolution |
| Candidate Version OMA-ERELED- REST_NetAPI_RCSPProfile-V3_0 | 03 Feb 2015 | All | Status changed to Candidate by TP TP Ref # OMA-TP-2015-0034- INP_REST_NetAPI_RCSPProfile_V3_0_ERP_and_ETR_for_Candidate_approval |