



# **Enabler Release Definition for RESTful Network API for Capability Discovery**

Candidate Version 1.0 – 05 Jun 2018

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**Open Mobile Alliance**  
OMA-ERELED-REST\_NetAPI\_CapabilityDiscovery-V1\_0-20180605-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 Capability Discovery 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 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.

### 3.3 Abbreviations

<b>API</b>	Application Programming Interface
<b>ERDEF</b>	Enabler Requirement Definition
<b>ERELD</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 Capability Discovery 1.0 using an HTTP protocol binding.

### 4.1 Version 1.0 Functionality

The RESTful Network API for Capability Discovery 1.0 defines REST protocol bindings.

## 5. Document Listing for RESTful Network API for Capability Discovery

This section is normative. As the RESTful Network API for Capability Discovery 1.0 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 Specifications</b>		
[REST_NetAPI_CapabilityDiscovery]	OMA-TS-REST_NetAPI_CapabilityDiscovery-V1_0-20180605-C	RESTful Network API for Capability Discovery
<b>Supporting Files</b>		
[SUP-XSD_rest_netapi_capabilitydiscovery]	OMA-SUP-XSD_rest_netapi_capabilitydiscovery-V1_0-20180605-C	XML schema for the RESTful Network API for Capability Discovery Working file in Schema directory: file: rest_netapi_capabilitydiscovery-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 Capability Discovery V1.0 Enabler**



## 6. OMNA Considerations

The RESTful Network API for Capability Discovery 1.0 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
Capability Discovery	urn:oma:xml:rest:netapi:capabilitydiscovery:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_netapi_capabilitydiscovery-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_netapi_capabilitydiscovery-v1_0.xsd</a>

**Table 2: OMNA Namespaces**

## 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 REST\_NetAPI\_CapabilityDiscovery

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-CAPDIS-S-001-M	RESTful Network API for Capability Discovery 1.0 [REST_NetAPI_CapabilityDiscovery]	REST-CAPDIS-SUPPORT-S-001-M

**Table 3: ERDEF for the RESTful Network API for Capability Discovery 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_CapabilityDiscover y-V1_0	07 Aug 2012	All	Initial draft baseline document
	25 Sep 2012	5	Updated Permanent Document References Editorial changes
	22 Nov 2012	5, 6, 8	Incorporated CR: OMA-ARC-REST-CapDis-2012-0020- CR_ERELED_CONRR_fixing_editorial_comments. In addition date information in Permanent Document Reference for TS and XSD is updated to reflect the latest revisions of the documents.
	29 Nov 2012	5	Editorial updates for Permanent Document Reference for TS and XSD to reflect the latest stored revisions of the documents.
Candidate Version OMA-ERELED- REST_NetAPI_CapabilityDiscover y-V1_0	11 Dec 2012	5	Status changed to Candidate by TP: Ref# OMA-TP-2012-0453- INP_REST_NetAPI_CapabilityDiscovery_V1.0_ERP_and_ETR_for_Candidate _Approval Updated Permanent Document References
Draft Version OMA-ERELED- REST_NetAPI_CapabilityDiscover y-V1_0	22 Feb 2013	5	Status changed to Draft Updated Permanent Document References Editorial change
Candidate Version OMA-ERELED- REST_NetAPI_CapabilityDiscover y-V1_0	05 Mar 2013	5	Status changed to Candidate by TP: Ref# OMA-TP-2013-0080- INP_REST_NetAPI_CapabilityDiscovery_V1.0_ERP_for_Candidate_re_appro val Updated Permanent Document References
Draft Version OMA-ERELED- REST_NetAPI_CapabilityDiscover y-V1_0	01 Jul 2013	5	Updated Permanent Document Reference
Candidate Version OMA-ERELED- REST_NetAPI_CapabilityDiscover y-V1_0	01 Jul 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0213- INP_REST_NetAPI_CapabilityDiscovery_V1_0_ERP_for_Notification
Draft Version OMA-ERELED- REST_NetAPI_CapabilityDiscover y-V1_0	23 May 2018	5	Editorial updates to Permanent Document References
	05 Jun 2018	5	Editorial updates to Permanent Document References
Candidate Version OMA-ERELED- REST_NetAPI_CapabilityDiscover y-V1_0	05 Jun 2018	n/a	Status changed to Candidate by ARC Doc Ref # OMA-ARC-2018-0018- INP_REST_NetAPI_Bot_Management_V1_0_ERP_for_Candidate_approval