



Enabler Release Definition for  
RESTful Network API for Device Capabilities  
Approved Version 1.0 – 24 Sep 2013

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**Open Mobile Alliance**  
OMA-ERELED-REST\_NetAPI\_DeviceCapabilities–V1\_0-20130924-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 Device Capabilities (REST\_NetAPI\_DeviceCapabilities) 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 8 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

### 3.2 Definitions

<b>Enabler Release</b>	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.
<b>Minimum Functionality Description</b>	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 a RESTful Network API for Device Capabilities using an HTTP protocol binding.

### 4.1 Version 1.0 Functionality

The RESTful Network API for Device Capabilities defines a REST protocol binding.

## 5. Document Listing for RESTful Network API for Device Capabilities

This section is normative. As the RESTful Network API for Device Capabilities 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_DeviceCapabilities]	OMA-TS-REST_NetAPI_DeviceCapabilities-V1_0-20130924-A	RESTful Network API for Device Capabilities
<b>Supporting Files</b>		
[SUP-XSD_rest_netapi_devicecapabilities]	OMA-SUP-XSD_rest_netapi_devicecapabilities-V1_0-20130924-A	XML schema for the RESTful Network API for Device Capabilities Working file in Schema directory: file: rest_netapi_devicecapabilities-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 Device Capabilities V1.0 Enabler**



## 6. OMNA Considerations

The REST\_NetAPI\_DeviceCapabilities 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
Device Capabilities	urn:oma:xml:rest:netapi:devicecapabilities:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_netapi_devicecapabilities-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_netapi_devicecapabilities-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\_Device Capabilities

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-REST-DEVCAP-S-001-M	RESTful Network API for Device Capabilities [REST_NetAPI_DeviceCapabilities]	REST-DEVCAP-SUPPORT-S-001-M

**Table 3: ERDEF for the RESTful Network API for Device Capabilities V 1.0**

## Appendix A. Change History

(Informative)

### A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-REST_NetAPI_DeviceCapabilities-V1_0-20130924-A	24 Sep 2013	Status changed to Approved by TP TP Ref # OMA-TP-2013-0279- INP_REST_NetAPI_DeviceCapabilities_V1_0_ERP_for_Final_Approval