



# Reference Release Definition for LWM2M\_DevCapMgmt

## Approved Version 1.0 – 12 May 2015

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**Open Mobile Alliance**  
OMA-RRELD-LWM2M\_DevCapMgmt-V1\_0-20150512-A

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# 1. Scope

The scope of this document is limited to the Reference Release Definition of LWM2M\_DEVCAPMGMT according to OMA Release process and the Enabler Release specification baseline listed in section 5.

## 2. References

### 2.1 Normative References

- [DEVCAPMGMT\_TS] “Lightweight M2M – Device Capability management Object”, Version 1.0, Open Mobile Alliance, OMA-TS-LWM2M DevCapMgmt-V1\_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)

### 2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version x.y, Open Mobile Alliance™, OMA-ORG-Dictionary-Vx\_y, [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.

### 3.2 Definitions

<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.
<b>Reference Release</b>	A set of specifications and/or white papers which form a formal deliverable of OMA. The release can be referenced or otherwise used to support implementable enabler releases, but it cannot by itself be implemented in products.

### 3.3 Abbreviations

<b>LWM2M</b>	Lightweight Machine to Machine (refers to this OMA enabler)
<b>OMA</b>	Open Mobile Alliance
<b>OMNA</b>	Open Mobile Naming Authority
<b>RRELD</b>	Reference Release Definition

Kindly consult [OMADICT] for more abbreviations used in this document.

## 4. Release Version Overview

The present Reference Release enables remote device capability management in M2M devices.

### 4.1 Version 1.0 Functionality

V1.0 of the specification covers:

- 1) Device Capability Enablement
- 2) Device Capability Disablement
- 3) Device attachment of removable hardware
- 4) Device detachment of removable hardware
- 5) Conditional notification when Device Capability State is modified

## 5. Document Listing for LWM2M DEVCAPMGMT 1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
<b>Technical Specification</b>		
[DEVCAPMGMT_TS]	OMA-TS-LWM2M_DevCapMgmt-V1_0-20150512-A	Technical Sepcification for LWM2W DEVCAPMGMT

**Table 1: Listing of Documents in LWM2M DEVCAPMGMT 1.0**



## 6. OMNA Considerations

The present Reference Release consists in a new LWM2M Object. This LWM2M Object will be registered with the OMNA LWM2M Object registry.

## 7. API Considerations

Not Applicable.

## Appendix A. Change History (Informative)

### A.1 Approved Version History

Reference	Date	Description
OMA-RRELD-LWM2M_DevCapMgmt-V1_0-20150512-A	12 May 2015	Status changed to Approved by TP TP Ref # OMA-TP-2015-0080- INP_LWM2M_DevCapMgmt_V1_0_RRP_for_final_Approval