



Reference Release Definition for LWM2M_SWMGMT

Approved Version 1.0.1 – 16 Jun 2020

Open Mobile Alliance
OMA-RRELD-LWM2M_SWMGMT-V1_0_1-20200616-A

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1. Scope

The scope of this document is limited to the Reference Release Definition of LWM2M_SWMGMT 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)
- [SWMGMT_TS] “Lightweight M2M – Software management Object”, Version 1.0, Open Mobile Alliance, OMA-TS-LWM2M_SwMgmt-V1_0, [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.

3.2 Definitions

Minimum Functionality Description	Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.
Reference Release	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

LwM2M	Lightweight Machine to Machine (refers to this OMA enabler)
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
RRELD	Reference Release Definition

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

4. Release Version Overview

The present Reference Release enables remote software management in M2M devices.

4.1 Version 1.0 Functionality

V1.0 of the specification covers:

- 1) Software download
- 2) Software installation
- 3) Software deinstallaton
- 4) Software activation
- 5) Softare deactivation
- 6) Update state and result reporting

5. Document Listing for LWM2M SWMGMT 1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Technical Specification		
[SWMGMT_TS]	OMA-TS-LWM2M_SwMgmt-V1_0_1-20200616-A	Technical Sepcification for LWM2W SWMGMT
Supporting Files		
[LWM2M_Software_Component_XML]	OMA-SUP-XML_LWM2M_Software_Component-V1_0_1-20200616-A	XML document for LightweightM2M object software management Software Component Working file in LWM2M_XML directory: File: LWM2M_Software_Component-v1_0_1.xml Path: http://www.openmobilealliance.org/tech/profile
[LWM2M_Software_Management_XML]	OMA-SUP-XML_LWM2M_Software_Management-V1_0_1-20200616-A	XML document for LightweightM2M object software management Software Management Working file in LWM2M_XML directory: File: LWM2M_Software_Management-v1_0_1.xml Path: http://www.openmobilealliance.org/tech/profile

Table 1: Listing of Documents in LWM2M SWMGMT 1.0

6. OMNA Considerations

The present Reference Release consists of 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_SWMGMT-V1_0-20180301-A	01 Mar 2018	Status changed to Approved by BoD Doc Ref # OMA-DM-2018-0014- INP_LwM2M_Object_Software_Management_V1_0_RRP_Final_Approval
OMA-RRELD-LWM2M_SWMGMT-V1_0_1-20200616-A	16 Jun 2020	Status changed to Approved by BoD Doc Ref # OMA-DM&SE-2020-0022- INP_LWM2M_SWMGMT_V1_0_1_RRP_for_Final_Approval