



# Reference Release Definition for LWM2M\_LOCKWIPE

Approved Version: 1.0.4 - 2024-03-12

Open Mobile Alliance

OMA-RRELD-LWM2M\_LOCKWIPE-V1\_0\_4-20240312-A

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# 1. Scope

The scope of this document is limited to the Reference Release Definition of LwM2M\_LOCKWIPE according to OMA Release process and the Enabler Release specification baseline listed in section 5.

## 2. References

### 2.1. Normative References

[LOCKWIPE_TS]	"Lightweight M2M – Lock and Wipe Object", Version 1.0.4, Open Mobile Alliance, OMA-TSLWM2M_LockWipe-V1_0_4, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCP 14]	"Key words for use in RFCs to Indicate Requirement Levels", B. Leiba, May 2017, URL: <a href="https://www.rfc-editor.org/info/bcp14">https://www.rfc-editor.org/info/bcp14</a>
[RFC2119]	"Key words for use in RFCs to Indicate Requirement Levels", S. Bradner, March 1997, URL: <a href="https://www.rfc-editor.org/rfc/rfc2119.txt">https://www.rfc-editor.org/rfc/rfc2119.txt</a>
[RFC8174]	"Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", B. Leiba, May 2017, URL: <a href="https://www.rfc-editor.org/rfc/rfc8174.txt">https://www.rfc-editor.org/rfc/rfc8174.txt</a>

Table: 2.1.-1 Normative References

### 2.2. Informative References

[OMADICT]	"Dictionary for OMA Specifications", Version 2.9, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_9, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
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Table: 2.2.-1 Informative References

## 3. Terminology and Conventions

### 3.1. Conventions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [RFC2119] [RFC8174] when, and only when, they appear in all capitals, as shown here.

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.

Table: 3.2.-1 Definitions

### 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

Table: 3.3.-1 Abbreviations

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

## 4. Release Version Overview

The present Reference Release enables remote “lock and wipe” functionality in M2M devices

### 4.1. Version 1.0 Functionality

Version 1.0 defines the following functions:

1. Lock the M2M device – partially or fully
2. Unlock the M2M device
3. Wipe the M2M device – partially or fully
4. Report the result of the above operations

### 4.2. Version 1.0.3 Functionality

This revision adds the optional elements "LWM2MVersion" and "ObjectVersion" to the Object Lock & Wipe.

### 4.3. Version 1.0.4 Functionality



## 5. Document Listing for LwM2M LOCKWIPE 1.0.4

This section is normative.

Doc Ref	Permanent Document Reference	Description
[LOCKWIPE_TS]	OMA-TS-LWM2M_LockWipe-V1_0_4-20240312-A	Technical Sepcification for LwM2W LOCKWIPE
[LWM2M_LOCKWIPE_XML]	OMA-SUP-XML_LWM2M_LOCKWIPE-V1_0_4-20240312-A	XML document for LightweightM2M object lock and wipe Software Component Working file in LWM2M Registry: File: 8.xml Path: <a href="https://github.com/OpenMobileAlliance/lwm2m-registry">https://github.com/OpenMobileAlliance/lwm2m-registry</a>

Table: 5.-1 Listing of Documents in LWM2M LOCKWIPE 1.0.4

## 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_LOCKWIPE-V1_0-20180615-A	15 Jun 2018	Status changed to Approved by DM Doc Ref # OMA-DMSE-2018-0059- INP_LWM2M_LOCKWIPE_V1_o_RRP_for_final_Approval
OMA-RRELD-LWM2M_LOCKWIPEV1_0_1-20181003-A	03 Oct 2018	Status changed to Approved by DM Doc Ref # OMA-DMSE-2018-0105- INP_LWM2M_LOCKWIPE_1_o_1_RRP_for_Approval_notification
OMA-RRELD-LWM2M_LOCKWIPEV1_0_2-20200616-A	16 Jun 2020	Status changed to Approved by DM Doc Ref # OMA-DMSE-2020-0016- INP_LwM2M_LOCKWIPE_V1_o_2_RRP_for_Final_Approval
OMA-RRELD-LWM2M_LOCKWIPE-V1_0_3-20210119-A	19 Jan 2021	Status changed to Approved by DM During DMSE conference call on 19 Jan 2021
OMA-RRELD-LWM2M_LOCKWIPE-V1_0_4-20240312-A	12 Mar 2024	Status changed to Approved by DMSO on 12 Mar 2024

Table: A.1-1 Approved Version History