



# Enabler Release Definition for LWM2M Gateway

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Open Mobile Alliance

OMA-ERELD-LWM2M\_Gateway-V2\_0\_1-20240312-A

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# 1. Scope

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

## 2. References

### 2.1. Normative References

[GATEWAY_TS]	"Lightweight Machine-to-Machine Gateway", Version 2.0.1, Open Mobile Alliance, OMA-TS-LWM2M_Gateway-V2_0_1, URL: <a href="http://www.openmobilealliance.org/release/LwM2M_Gateway">http://www.openmobilealliance.org/release/LwM2M_Gateway</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>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 fulfill a number of related market requirements.

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>ERELD</b>	Enabler Release Definition

Table: 3.3.-1 Abbreviations

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

## 4. Release Version Overview

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

### 4.1. Version 1.0 Functionality

### 4.2. Version 1.1 Functionality

### 4.3. Version 2.0.1 Functionality



## 5. Document Listing for LWM2M GATEWAY V2.0.1

This section is normative.

Doc Ref	Permanent Document Reference	Description
[GATEWAY_TS]	OMA-TS-LWM2M_Gateway-V2_0_1-20240312-A	Technical Specification for LWM2W Gateway
[LWM2M_Gateway_XML]	OMA-SUP-XML-25-V2_0_1-20240312-A	XML document for LightweightM2M Object Gateway Working file in LWM2M Registry: File: 25.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\_Gateway V2.0.1

## 6. OMNA Considerations

The present Enabler Release consists of a new version of an LwM2M Object. This new LwM2M Object version 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-ERELD-LWM2M_Gateway-V1_1-20210518-A	18 May 2021	Status changed to Approved by DMSE WG on 18 May 2021.
OMA-ERELD-LWM2M_Gateway-V2_0_1-20240312-A	12 Mar 2024	Status changed to Approved by DMSE WG on 12 Mar 2024.

Table: A.1-1 Approved Version History