

# Enabler Release Definition for LwM2M EventLog

Approved Version: 3.0 - 2025-07-14

Open Mobile Alliance

OMA-ERELD-LWM2M\_EventLog-V3\_0-20250714-A

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# 1. Scope

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

## 2. References

### 2.1. Normative References

[EventLog_TS]	"Lightweight M2M – Event Log", Version 3.0, Open Mobile Alliance, OMA-TS-LwM2M_EventLog-V3_0, 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>
[SCRRULES]	"SCR Rules and Procedures", Open Mobile Alliance, OMA-ORG-SCR_Rules_and_Procedures, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</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" and "Release Version Overview", are normative, unless they are explicitly indicated to be informative.

The formal notation convention used in the section [7. API Considerations](#) to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

#### 3.2. Definitions

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

Table: 3.2.-1 Definitions

#### 3.3. Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

Table: 3.3.-1 Abbreviations

## 4. Release Version Overview

The present Reference Release enables to transfer log information from a device to an LwM2M server.

### 4.1. Version 1.0 Functionality

V1.0 of the specification covers:

1. Communication of generic log information.

#### 4.1.1. Version 1.0.1 Functionality

### 4.2. Version 2.0 Functionality

### 4.3. Version 2.1 Functionality

### 4.4. Version 3.00 Functionality

Version 3.0 introduces support for standardized log formats (Syslog and Common Log Format) in the **LogDataFormat** resource, enabling better interoperability with external logging systems while maintaining backward compatibility with existing formats.



## 5. Document Listing for LwM2M EventLog

Doc Ref	Permanent Document Reference	Description	
[EventLog_TS]	OMA-TS-LWM2M_EventLog-V3_0-20250714-A	Technical Specification for LwM2W EventLog Object	
[LwM2M_EventLog_XML]	20.xml	OMA-SUP-XML_LWM2M_EventLog-V3_0-20250714-A	XML document for LightweightM2M EventLog Object OMNA LwM2M Registry Path: <a href="https://github.com/OpenMobileAlliance/lwm2m-registry">https://github.com/OpenMobileAlliance/lwm2m-registry</a> Name: 20.xml

Table: 5.-1 Document Listing for LwM2M EventLog

## 6. OMNA Considerations

The OMNA portal needs to add and maintain the following Objects into its registry:

Object URN Identifier	Organization	Object Specification URL	Description
urn:oma:lwm2m:oma:20:3.0	OMA	OMA-ERELD-LWM2M_EventLog-V3_0, <a href="https://www.openmobilealliance.org/release/LwM2M_EventLog/">https://www.openmobilealliance.org/release/LwM2M_EventLog/</a>	EventLog

Table: 6.-1 LwM2M Object and Resource Registry Entry

## 7. API Considerations

Not applicable.

# Appendix A. Change History (Informative)

## A.1 Approved Version History

Reference	Date	Description
OMA-EREELD-LwM2M_EventLog-V1_0-20180615-A	15 Jun 2018	Status changed to Approved by DM Doc Ref # OMA-DM&SE-2018-0060- INP_LWM2M_EventLog_V1_o_ERP_for_final_Approval
OMA-EREELD-LWM2M_EventLog-V1_o_1-20200616-A	16 Jun 2020	Status changed to Approved by DMSE WG DMSE WG Ref # OMA-DM&SE-2020-0020- INP_LwM2M_EventLog_V1_o_1_ERP_for_Final_Approval
OMA-EREELD-LWM2M_EventLog-V2_0-20230131-A	31 Jan 2023	Status changed to Approved by DMSE WG on 31 Jan 2023
OMA-EREELD-LWM2M_EventLog-V2_1-20240123-A	23 Jan 2024	Approved by DMSE WG on 23 Jan 2024, Ref: <a href="#">PR#12</a>
OMA-EREELD-LWM2M_EventLog-V3_0-20250714-A	14 Jul 2025	Status changed to Approved by DMSE WG 14 Jul 2025

Table: A.1-1 Approved Version History