



Enabler Release Definition for LwM2M BinaryAppDataCont

Approved Version 1.0.1 – 21 Feb 2019

Open Mobile Alliance
OMA-ERELED-LWM2M_BinaryAppDataCont-V1_0_1-20190221-A

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1. Scope

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

2. References

2.1 Normative References

- [BinaryAppDataCont_TS] “Lightweight M2M – Binary App Data Container”, Version 1.0, Open Mobile Alliance, OMA-TS-LWM2M_BinaryAppDataContainer-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)
- [SCRRULES] “SCR Rules and Procedures”, Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, [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.

The formal notation convention used in sections 7 and 8 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

3.2 Definitions

BinaryAppDataCont	Binary Application Data Container
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.

3.3 Abbreviations

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

4. Release Version Overview

The present Enabler Release enables to transfer Application Data with the Lightweight M2M enabler in order to manage application service data on the device.

4.1 Version 1.0 Functionality

Version 1.0 of the specification covers:

- 1) LwM2M Client reports application data to LwM2M Server.
- 2) LwM2M Server sends application data to LwM2M Client.

5. Document Listing for LwM2M BinaryAppDataCont 1.0.1

This section is normative.

Doc Ref	Permanent Document Reference	Description
Technical Specifications		
[BinaryAppDataCont_TS]	OMA-TS-LWM2M_BinaryAppDataContainer-V1_0_1-20190221-A	Technical Specification for LwM2W BinaryAppDataContainer Object
Supporting Files		
[LWM2M_BinaryAppDataContainer_XML]	OMA-SUP-LWM2M_BinaryAppDataContainer-V1_0_1-20190221-A	XML document for LightweightM2M BinaryAppDataContainer Object Working file in LWM2M_XML directory: File: LwM2M_BinaryAppDataContainer-v1_0_1.xml Path: http://www.openmobilealliance.org/tech/profiles

Table 1: Listing of Documents in LwM2M BinaryAppDataCont 1.0.1

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.

Object URN Identifier	Organization	Object Specification URL	Description
urn:oma:lwm2m:oma:19	OMA	“Object Binary App Data Container Technical Specification”, Version 1.0, Open Mobile Alliance™, OMA-TS-LWM2M_BinaryAppDataContainer-V1_0_1, URL:http://www.openmobilealliance.org/	Lwm2m BinaryAppDataContainer Object

7. API Considerations

Not Applicable.

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-LWM2M_BinaryAppDataCont-V1_0-20180615-A	15 Jun 2018	Status changed to Approved by DM Doc Ref # OMA-DM&SE-2018-0061- INP_LWM2M_APPDATA_V1_0_ERP_for_final_Approval
OMA-ERELED-LWM2M_BinaryAppDataCont-V1_0_1-20190221-A	21 Feb 2019	Status changed to Approved by IPSO WG Doc Ref # OMA-IPSO-2019-0025- INP_LwM2M_Object_App_Data_Container_1_0_1_for_Final_Approval