

Enabler Release Definition for LwM2M BinaryAppDataCont

Approved Version 1.0 – 15 Jun 2018

Open Mobile Alliance
OMA-ERELED-LWM2M_BinaryAppDataCont-V1_0-20180615-A

Use of this document is subject to all of the terms and conditions of the Use Agreement located at <http://www.openmobilealliance.org/UseAgreement.html>.

Unless this document is clearly designated as an approved specification, this document is a work in process, is not an approved Open Mobile Alliance™ specification, and is subject to revision or removal without notice.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. Information contained in this document may be used, at your sole risk, for any purposes. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance. The Open Mobile Alliance authorizes you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services. The Open Mobile Alliance assumes no responsibility for errors or omissions in this document.

Each Open Mobile Alliance member has agreed to use reasonable endeavors to inform the Open Mobile Alliance in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. However, the members do not have an obligation to conduct IPR searches. The declared Essential IPR is publicly available to members and non-members of the Open Mobile Alliance and may be found on the “OMA IPR Declarations” list at <http://www.openmobilealliance.org/ipr.html>. The Open Mobile Alliance has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions. Defined terms above are set forth in the schedule to the Open Mobile Alliance Application Form.

NO REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS OR IMPLIED) ARE MADE BY THE OPEN MOBILE ALLIANCE OR ANY OPEN MOBILE ALLIANCE MEMBER OR ITS AFFILIATES REGARDING ANY OF THE IPR'S REPRESENTED ON THE “OMA IPR DECLARATIONS” LIST, INCLUDING, BUT NOT LIMITED TO THE ACCURACY, COMPLETENESS, VALIDITY OR RELEVANCE OF THE INFORMATION OR WHETHER OR NOT SUCH RIGHTS ARE ESSENTIAL OR NON-ESSENTIAL.

THE OPEN MOBILE ALLIANCE IS NOT LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF DOCUMENTS AND THE INFORMATION CONTAINED IN THE DOCUMENTS.

© 2018 Open Mobile Alliance All Rights Reserved.

Used with the permission of the Open Mobile Alliance under the terms set forth above.

Contents

- 1. SCOPE.....4
- 2. REFERENCES5
 - 2.1 NORMATIVE REFERENCES.....5
 - 2.2 INFORMATIVE REFERENCES.....5
- 3. TERMINOLOGY AND CONVENTIONS6
 - 3.1 CONVENTIONS6
 - 3.2 DEFINITIONS.....6
 - 3.3 ABBREVIATIONS6
- 4. RELEASE VERSION OVERVIEW7
 - 4.1 VERSION 1.0 FUNCTIONALITY7
- 5. DOCUMENT LISTING FOR LWM2M BINARYAPPDATACONT 1.0.....8
- 6. OMNA CONSIDERATIONS9
- 7. API CONSIDERATIONS10
- APPENDIX A. CHANGE HISTORY (INFORMATIVE).....11
 - A.1 APPROVED VERSION HISTORY11

Figures

No table of figures entries found.

Tables

- Table 1: Listing of Documents in Lwm2m BinaryAppDataCont 1.08

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 Reference 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

V1.0 of the specification covers:

- 1) the capability that the Lwm2m Client Reports Application Data
- 2) the capability that the Server sends an Application Data message to the Client

5. Document Listing for LwM2M BinaryAppDataCont 1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Technical Specifications		
[BinaryAppDataCont_TS]	OMA-TS-LWM2M_BinaryAppDataContainer-V1_0-20180615-A	Technical Specification for LwM2M BinaryAppDataContainer Object
Supporting Files		
[LWM2M_BinaryAppDataContainer_XML]	OMA-SUP-LWM2M_BinaryAppDataContainer-V1_0-20180615-A	XML document for LightweightM2M BinaryAppDataContainer Object Working file in LWM2M_XML directory: File: LWM2M_BinaryAppDataContainer-v1_0.xml Path: http://www.openmobilealliance.org/tech/profiles

Table 1: Listing of Documents in LwM2M BinaryAppDataCont 1.0

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.

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