



Enabler Release Definition for OMA Device Management Smart Card

Approved Version 1.0 – 30 Oct 2012

Open Mobile Alliance
OMA-ERELED-DM_SC-V1_0-20121030-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.

© 2012 Open Mobile Alliance Ltd. All Rights Reserved.

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

Contents

1. SCOPE	4
2. REFERENCES	5
2.1 NORMATIVE REFERENCES	5
2.2 INFORMATIVE REFERENCES	5
3. TERMINOLOGY AND CONVENTIONS	6
3.1 CONVENTIONS	6
3.2 DEFINITIONS	6
3.3 ABBREVIATIONS	6
4. RELEASE VERSION OVERVIEW	7
4.1 VERSION 1.0 FUNCTIONALITY	7
5. DOCUMENT LISTING FOR OMA DEVICE MANAGEMENT SMART CARD 1.0	8
6. CONFORMANCE REQUIREMENTS NOTATION DETAILS	9
7. ERDEF FOR OMA DM_SC – CLIENT REQUIREMENTS	10
8. ERDEF FOR OMA DM_SC – SERVER (SMART CARD) REQUIREMENTS	11
APPENDIX A. CHANGE HISTORY (INFORMATIVE)	12
A.1 APPROVED VERSION HISTORY	12

Tables

Table 1: Listing of Documents in OMA Device Management Smart Card 1.0 Enabler	8
Table 2: ERDEF for OMA DM_SC Smart Card Client-side Requirements	10
Table 3: ERDEF for OMA DM_SC Smart Card Server-side (Smart Card) Requirements	11

1. Scope

The scope of this document is limited to the Enabler Release Definition of OMA Device Management Smart Card 1.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5. The OMA DM_SC 1.0 enabler is based on technologies such as OMA DM v1.2 and OMA SCWS v1.1 respectively specified in the OMA Device Management v1.2 Enabler Release Definition [ERELDDM] and the OMA Smart Card Web Server v1.1 Enabler Release Definition [ERELEDSCWS].

2. References

2.1 Normative References

- [DMSCAD] “DM Smart Card Architecture”, Open Mobile Alliance™, OMA-AD-DM_SC-V1_0, URL: <http://www.openmobilealliance.org/>
- [DMSCRD] “DM Smart Card Requirements”, Open Mobile Alliance™, OMA-RD-DM_SC-V1_0, URL: <http://www.openmobilealliance.org/>
- [DMSCTS] “DM Smart Card Technical Specification”, Open Mobile Alliance™, OMA-TS-DM_SC-V1_0, URL: <http://www.openmobilealliance.org/>
- [ERELDDM] “Enabler Release Definition for OMA Device Management, version 1.2”. Open Mobile Alliance™. OMA-ERELD-DM-V1_2. URL: <http://www.openmobilealliance.org>
- [ERELDSCWS] “Enabler Release Definition for Smartcard-Web-Server, version 1.1”. Open Mobile Alliance™. OMA-ERELD-Smartcard_Web_Server-V1_1. URL: <http://www.openmobilealliance.org>
- [IOPPROC] “OMA Interoperability Policy and Process”, Version 1.7, Open Mobile Alliance™, OMA-IOP-Process-V1_7, URL: <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>

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version 2.8, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_8, URL: <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 [IOPPROC].

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.

3.3 Abbreviations

DM_SC	Device Management Smart Card
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
SCWS	Smart Card Web-Server

4. Release Version Overview

This section is informative. It describes the functionality that is delivered with the OMA Device Management Smart Card specification and their internal mandatory requirements.

4.1 Version 1.0 Functionality

OMA DM_SC 1.0 makes use of OMA DM v1.2 features such as the protocol and notification mechanism, and OMA SCWS v1.1 as the transport bearer between the device and the smartcard.

5. Document Listing for OMA Device Management Smart Card 1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[DMSCRD]	OMA-RD-DM_SC-V1_0-20121030-A	Requirement Document for OMA Device Management Smart Card 1.0 Enabler
Architecture Document		
[DMSCAD]	OMA-AD-DM_SC-V1_0-20121030-A	Architecture Document for OMA Device Management Smart Card 1.0 Enabler
Technical Specifications		
[DMSCTS]	OMA-TS-DM_SC-V1_0-20121030-A	Technical Specification for OMA Device Management Smart Card 1.0 Enabler

Table 1: Listing of Documents in OMA Device Management Smart Card 1.0 Enabler

6. Conformance Requirements Notation Details

This section is informative

The tables in following chapters use the following notation:

- Item:** Entry in this column **MUST** be a valid `ScrItem` according to [SCRRULES].
- Feature/Application:** Entry in this column **SHOULD** be a short descriptive label to the **Item** in question.
- Requirement:** Expression in the column **MUST** be a valid `TerminalExpression` according to [SCRRULES] and it **MUST** accurately reflect the architectural requirement of the **Item** in question.

7. ERDEF for OMA DM_SC – Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-DM_SC-C-001-M	DM_SC Client	TBD

Table 2: ERDEF for OMA DM_SC Smart Card Client-side Requirements

8. ERDEF for OMA DM_SC – Server (Smart Card) Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-DM_SC-S-001-M	DM_SC Server	TBD

Table 3: ERDEF for OMA DM_SC Smart Card Server-side (Smart Card) Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-DM_SC-V1_0-20121030-A	30 Oct 2012	Approved by TP Ref TP Doc# OMA-TP-2012-0380- INP_DM_Smart_Card_V1_0_ERP_for_Final_Approval