



# **Enabler Release Definition for SRM v1.1**

Approved Version 1.1 – 16 Aug 2011

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**Open Mobile Alliance**  
OMA-ERELED-SRM-V1\_1-20110816-A

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# 1. Scope

The scope of this document is limited to the Enabler Release Definition of Secure Removable Media version 1.1 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

## 2. References

### 2.1 Normative References

- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, URL:<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/>
- [DRM-v2.0] “Digital Rights Management v2.0.2”, Open Mobile Alliance™, OMA-ERP-DRM-V2\_0\_2, URL:<http://www.openmobilealliance.org/>
- [DRM-v2.1] “Digital Rights Management v2.1”, Open Mobile Alliance™, OMA-ERP-DRM-V2\_1, URL:<http://www.openmobilealliance.org/>
- [SRM-v1.0] “OMA Secure Removable Media v1.0”, Open Mobile Alliance™, OMA-ERP-SRM-V1\_0, URL:<http://www.openmobilealliance.org/>
- [SRM-TS-v1.1] “OMA Secure Removable Media v1.0”, Open Mobile Alliance™, OMA-TS-SRM-V1\_1, URL:<http://www.openmobilealliance.org/>

### 2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2\_7, URL:<http://www.openmobilealliance.org/>
- [SRM-AD-v1.1] “OMA Secure Removable Media Architecture”, Open Mobile Alliance™, OMA-AD-SRM-V1\_1, URL:<http://www.openmobilealliance.org/>
- [SRM-RD-v1.1] “OMA Secure Removable Media Requirements”, Open Mobile Alliance™, OMA-RD-SRM-V1\_1, 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 8 and 9 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

### 3.2 Definitions

<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 fulfil a number of related market requirements.
<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.

### 3.3 Abbreviations

<b>ERDEF</b>	Enabler Requirement Definition
<b>ERELED</b>	Enabler Release Definition
<b>OMA</b>	Open Mobile Alliance
<b>OMNA</b>	Open Mobile Naming Authority
<b>SRM</b>	Secure Removable Media

## 4. Release Version Overview

This document outlines the Enabler Release Definition for Secure Removable Media (SRM) version 1.1 and the respective conformance requirements for clients and servers implementing claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

Secure Removable Media is a removable media that implements means to protect against unauthorized access to its internal data and includes an SRM Agent. Example of Secure Removable Media (referred to as SRM hereinafter) may be the secure memory card and the smart card.

The secure memory card has an embedded microprocessor and is capable of storing Rights or DRM Content in a secure manner (e.g. S-MMC, SD). The smart card also has an embedded microprocessor and is capable of storing access codes, user subscription information, secret keys, DRM Content, Rights etc (e.g. SIM, USIM, R-UIM). If a user uses Devices with a physical interface to connect an SRM, the user can use the SRM as a means of increasing storage space for DRM Content and portability of Rights. Differently from the secure memory card, the smart card enables users to make a telephone call by using the Devices and is issued by a mobile network operator.

### 4.1 Version 1.0 Functionality

Apart from defining the SRM Agent, OMA SRM 1.0 provides the following list of major features that constitute the general framework of the OMA SRM enabler (please note that this is not the exhaustive list).

- Mutual Authentication and Key Exchange between SRM and Device
- SRM to Device Rights Move and vice versa
- Local Rights Consumption
- Compatibility and Supports for the OMA DRM 2.0 [DRM 2.0].

### 4.2 Version 1.1 Functionality

The followings are the main new features of the OMA SRM v1.1 release.

- Direct Provisioning of Rights to the SRM
- Rights Move between two SRMs
- SRM Rights Upgrade
- Compatibility and Support for the OMA DRM 2.1 [DRM-v2.1] and the OMA SCE 1.0 [SCE-v1.0] enablers.
- Backward Compatibility to the OMA SRM v1.0 [SRM-v1.0] enabler.

## 5. Document Listing for Secure Removable Media version 1.1

Doc Ref	Permanent Document Reference	Description
<b>Requirement Document</b>		
[SRM-RD-v1.1]	OMA-RD-SRM-V1_1-20110816-A	Requirement Document for SRM v1.1 Enabler
<b>Architecture Document</b>		
[SRM-AD-v1.1]	OMA-AD-SRM-V1_1-20110816-A	Architecture Document for SRM v1.1 Enabler
<b>Technical Specifications</b>		
[SRM-TS-v1.1]	OMA-TS-SRM-V1_1-20110816-A	The Technical Specification for SRM v1.1 Enabler
<b>Supporting Files</b>		

**Table 1: Listing of Documents in SRM v1.1 Enabler**



## 6. OMNA Considerations

## 7. 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.

## 8. ERDEF for SRM v1.1 - Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-<<ENABLER>>-C-001-<<M/O>>	<<ENABLER>> Client	

**Table 2: ERDEF for <<ENABLER>> Client-side Requirements**

## 9. ERDEF for SRM v1.1 - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-<<ENABLER>>-S-001-<<M/O>>	<<ENABLER>> Server	

Table 3: ERDEF for <<ENABLER>> Server-side Requirements

## Appendix A. Change History

(Informative)

### A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-SRM-V1_0-20090310-A	10 March 2009	Initial document to address the basic starting point Ref TP Doc# OMA-TP-2009-0099- INP_SRM_V1_0_ERP_for_Notification_and_Final_Approval
Approved Version: OMA-ERELED-SRM-V1_1-20110816-A	16 Aug 2011	Status changed to Approved by TP ref# OMA-TP-2011-0287-INP_SRM_V1_1_ERP_for_Final_Approval