Enabler Release Definition for Software Component Management Object

Approved Version 1.0 – 06 Dec 2011

Open Mobile Alliance

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1. Scope

The scope of this document is limited to the Enabler Release Definition of SCOMO 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
[SCOMO-AD]	"SCOMO Architecture", Open Mobile Alliance™, OMA-AD-SCOMO-V1_0, URL: http://www.openmobilealliance.org/
[SCOMO-DDF]	"SCOMO DDF", Open Mobile Alliance™, OMA-SUP-MO_SCOMO-V1_0, URL: http://www.openmobilealliance.org/
[SCOMO-RD]	"SCOMO Requirements", Open Mobile Alliance™, OMA-RD-SCOMO-V1_0, URL: http://www.openmobilealliance.org/
[SCOMO-TS]	"SCOMO Technical Specification", Open Mobile Alliance™, OMA-TS-SCOMO-V1_0, URL: http://www.openmobilealliance.org/
[SCRRULES]	"SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL: http://www.openmobilealliance.org/

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 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

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.
Software Component	A software component is a resource utilized by the mobile Device software platform

3.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
SCOMO	Software Component Management Object

4. Release Version Overview

The Software Component Management Object enables remote Software Component management within Device. This can be used for example to update antivirus software or browser plug-in etc.

Management operations defined for the purpose of Software Componenet management on the Device support delivery, download, installation, update, removal, activation & de-activation. In addition, retrieval of inventory of Software Components on the Device is also supported.

4.1 Version 1.0 Functionality

The Software Component Management Object (SCOMO) V1.0 Enabler [SCOMO-TS] supports the following functionality.

- Support for delivery of Software Components to a device

- Support for installation of Software Components on a device

- Support for update of Software Components on a device

- Support for removal of Software Components from a device

- Support for activation of Software Components on a device

- Support for deactivation of Software Components on a device

- Support for inventory query of Software Components on the device

5. Document Listing for SCOMO

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[SCOMO_RD]	OMA-RD-SCOMO-V1_0-20111206-A	Requirement Document for SCOMO Enabler
Architecture Document		
[SCOMO_AD]	OMA-AD-SCOMO-V1_0-20111206-A	Architecture Document for SCOMO Enabler
Technical Specifications		
[SCOMO_TS]	OMA-TS-SCOMO-V1_0-20111206-A	Technical Specification for SCOMO Enabler
Supporting Files		
[SCOMO_DDF]	OMA-SUP-MO_SCOMO-V1_0-20111206-A	DDF Document for SCOMO Enabler Working file in DM_Managed Object directory: file: oma-sup-mo_scomo-v1.0.ddf path: http://www.openmobilealliance.org/tech/omna/

Table 1: Listing of Documents in SCOMO Enabler

6. OMNA Considerations

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

MO Identifier	Description	Owner	Version	MO DDF	MO Spec
urn:oma:mo:oma-scomo:1.0	Software Component MO	DM WG	1.0	OMA-SUP-MO_SCOMO-V1_0-20111206-A	OMA-TS-SCOMO-V1_0-20111206-A

The OMNA portal needs to add and maintain the following alert type into Alert Type registry:

Alert Type Identifier	Alert Type Description	Owner	Version	Spec	MO Identifier (Optional)
urn:oma:at:oma-scomo:operation:1.0	Used to claim that the alert message conveys the result of SCOMO operation	DM WG	1.0	OMA-TS-SCOMO-V1_0-20111206-A	urn:oma:mo:oma-scomo:1.0

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 SCOMO – Client Requirements

This section is normative.

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

Table 2: ERDEF for SCOMO Client-side Requirements

9. ERDEF for SCOMO – Server Requirements

This section is normative.

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

Table 3: ERDEF for SCOMO Server-side Requirements

Appendix A.   Change History   (Informative)

A.1   Approved Version History

Reference	Date	Description
OMA-ERELD-SCOMO-V1_0-20111206-A	06 Dec 2012	Document approved by TP Ref TP Doc# OMA-TP-2011-0430-INP_SCOMO_V1_0_ERP_for_final_Approval