



Enabler Release Definition for Software Component Management Object

Candidate Version 1.0 – 03 Sep 2009

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>
- [SCRRULES] “SCR Rules and Procedures”, Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures,
URL: <http://www.openmobilealliance.org/>
- [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/>

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/>

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 Component 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_0-20090519-C	Requirement Document for SCOMO Enabler
Architecture Document		
[SCOMO_AD]	OMA-AD-SCOMO-V1_0-20081024-C	Architecture Document for SCOMO Enabler
Technical Specifications		
[SCOMO_TS]	OMA-TS-SCOMO-V1_0-20090903-C	Technical Specification for SCOMO Enabler
Supporting Files		
[SCOMO_DDF]	OMA-SUP-MO_SCOMO-V1_0-20081024-C	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-scomomo:1.0	Software Component MO	DM WG	1.0	OMA-SUP-MO_SCOMO-V1_0-20081024-C	OMA-TS-SCOMO-V1_0-20081024-C

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-scomomo:operation:1.0	Used to claim that the alert message conveys the result of SCOMO operation	DM WG	1.0	OMA-TS-SCOMO-V1_0-20081024-C	urn:oma:mo:oma-scomomo: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
n/a	n/a	No prior version

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELED-SCOMO-V1_0	22 Jan. 2008	All	Initial baseline draft
	08 May 2008	2, 3, 4, 5	Incorporate agreed CRs: OMA-DM-SCOMO-2008-0021-CR_ERELED_Update
	23 Jul 2008	5	Updated document list
	28 Sep 2008	6	Incorporate agreed CRs: OMA-DM-SCOMO-2008-0022-CR_OMNA_Considerations
	29 Sep 2008	All	Final editorial updates prior to Candidate approval
	13 Oct 2008	5	Updated document list
Candidate Versions OMA-ERELED-SCOMO-V1_0	24 Oct 2008	n/a	Status changed to Candidate by OM A TP TP Ref# OMA-TP-2008-0414- INP_Software_Component_Management_Object_V1_0_ERP_for_Can didate_Approval.doc
Draft Versions OMA-ERELED-SCOMO-V1_0	25 Feb 2009	All	Updated with agreed CRs: OMA-DM-SCOMO-2008-0053R02 OMA-DM-SCOMO-2009-0002R01 Document listing updated
Candidate Versions OMA-ERELED-SCOMO-V1_0	17 Mar 2009	n/a	Status changed by TP OMA-TP-2009-0120-INP_SCOMO_V1_0_ERP_for_notification
Draft Version: OMA-ERELED-SCOMO-V1_0	29 Apr 2009	5	Updated document list
	12 May 2009	5	Updated Document List
Candidate Version OMA-ERELED-SCOMO-V1_0	19 May 2009	n/a	Status changed to Candidate by TP TP Ref# OMA-TP-2009-0120- INP_SCOMO_V1_0_ERP_for_notification
Draft Version: OMA-ERELED-SCOMO-V1_0	06 Jul 2009	n/a	Updated Document List
Candidate Version OMA-ERELED-SCOMO-V1_0	10 Jul 2009	n/a	Status changed to Candidate by TP OMA-TP-2009-0318-INP_SCOMO_V1_0_ERP_for_Notification
Draft Version: OMA-ERELED-SCOMO-V1_0	01 Sep 2009	5	Document Listing Updated
Candidate Version: OMA-ERELED-SCOMO-V1_0	03 Sep 2009	5	Document Listing Updated Status Changed to Candidate by TP TP Ref # OMA-TP-2009-0424- INP_SCOMO_V1_0_ERP_for_Notification