



Enabler Release Definition for Management Policy MO (MgmtPolicyMO)

Candidate Version 1.0 – 05 Jun 2014

Open Mobile Alliance
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1. Scope

The scope of this document is limited to the Enabler Release Definition of Management Policy Management Object (MgmtPolicyMO v1.0) according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [MgmtPolicyMORD] “OMA DM Management Policy Management Object Requirements, Version 1.0”, Open Mobile Alliance™, OMA-RD-MgmtPolicyMO-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

- [DMDICT] “OMA Device Management Dictionary, Version 1.0”. Open Mobile Alliance™.
OMA-SUP-DM_Dictionary-v1_0.
[URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [OMADICT] “Dictionary for OMA Specifications”, Version x.y, Open Mobile Alliance™,
OMA-ORG-Dictionary-Vx_y, [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 8 and 9 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCR RULES].

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

ERDEF Enabler Requirement Definition

ERELD Enabler Release Definition

OMA Open Mobile Alliance

OMNA Open Mobile Naming Authority

4. Release Version Overview

To perform management operations, the DM Server can send the DM commands to the DM Client, and receive the corresponding results from the DM Client. This Request-Response model is the basic characteristics of the DM protocol.

MgmtPolicyMO v1.0 enables a more proactive management approach where the devices are able to perform actions autonomously based on management policies. These policies are pre-defined by the Management Authority and downloaded into the devices via the interface provided by the MgmtPolicyMO. Afterwards the devices will continuously evaluate/monitor the policies and perform necessary actions. If the policy conditions are met, one or more management actions will be triggered. Possible management actions include, but are not limited to: software management, firmware update, parameter configuration update and initiating a diagnostic and troubleshooting procedure.

After execution, DMS will be notified by the DM Client about the policy management results.

4.1 Version 1.0 Functionality

MgmtPolicyMO V1.0 covers:

- Download, update, activation, deactivation and removal of management policy(ies) in the device
- Capability to configure specific management policies, composed of conditions and actions, based on MO objects
- Reporting the results of management policy actions to DMS

5. Document Listing for MgmtPolicyMO V1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[MgmtPolicyMO_RD_v1_0]	OMA-RD-MgmtPolicyMO-V1_0-20140401-C	Requirement Document for MgmtPolicyMO v1.0 Enabler
Architecture Document		
[MgmtPolicyMO_AD_v1_0]	OMA-AD-MgmtPolicyMO-V1_0-20131001-C	Architecture Document for MgmtPolicyMO v1.0 Enabler
Technical Specification		
[MgmtPolicyMO_TS_v1_0]	OMA-TS-MgmtPolicyMO-V1_0-20140605-C	Technical Specification for MgmtPolicyMO v1.0 Enabler

Table 1: Listing of Documents in MgmtPolicyMO V1.0 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 MgmtPolicyMO V1.0 - Client Requirements

This section is normative.

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

Table 2: ERDEF for MgmtPolicyMO Client-side Requirements

9. ERDEF for MgmtPolicyMO V1.0 - Server Requirements

This section is normative.

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

Table 3: ERDEF for MgmtPolicyMO 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-MgmtPolicyMO-V1_0	12 Mar 2013	All	Initial baseline for RD review.
	23 Apr 2013	5	Updated permanent document reference to reflect new version of RD
Candidate Version OMA-ERELED-MgmtPolicyMO-V1_0	14 May 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0125- INP_MgmtPolicyMO_V1_0_RD_for_Candidate_approval
Draft Versions OMA-ERELED-MgmtPolicyMO-V1_0	21 Aug 2013	5	Updated permanent document reference to reflect new version of AD and TS
	24 Sep 2013	5	Updated permanent document reference to reflect new version of AD and TS
Candidate Version OMA-ERELED-MgmtPolicyMO-V1_0	01 Oct 2013	All	Status changed to Candidate by TP TP Ref # OMA-TP-2013-0305- INP_MgmtPolicyMO_V1_0_AD_for_Candidate_Approval
Draft Versions OMA-ERELED-MgmtPolicyMO-V1_0	28 Jan 2014	5	Updated permanent document reference to reflect new version of TS Editorial changes
	13 Mar 2014	5	Updated permanent document reference prior to Consistency Review Closure
Candidate Version OMA-ERELED-MgmtPolicyMO-V1_0	01 Apr 2014	All	Status changed to Candidate by TP TP Ref # OMA-TP-2014-0064- INP_MgmtPolicyMO_V1_0_ERP_and_ETR_for_Candidate_approval
Draft Version OMA-ERELED-MgmtPolicyMO-V1_0	04 Jun 2014	5	Editorial update of permanent document references in section 5
Candidate Version OMA-ERELED-MgmtPolicyMO-V1_0	05 Jun 2014	All	Status changed to Candidate by TP TP Ref # OMA-TP-2014-0140- INP_MgmtPolicyMO_V1_0_ERP_for_Notification