



# **OMA Device Management Dictionary**

## **Candidate Version 1.0 – 25 May 2010**

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**Open Mobile Alliance**  
OMA-SUP-DM\_Dictionary-V1\_0-20100525-C

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# 1. Scope

The purpose of this document is to identify specific terms and abbreviations used across the various OMA-DM specifications. Having a common collection of definitions and abbreviations related to the OMA-DM documents will

- Ensure that the terminology is used in a consistent manner across OMA-DM documents
- Provide the reader a friendly tool explaining the technical terms that are used across multiple documents
- Help the editors in using the terminology in a consistent manner across OMA specifications.

The definitions and abbreviations as given in this document are

- created by the OMA-DM WG, when the need for precise definition is identified, or
- imported from existing documentation (e.g. ITU, 3GPP, 3GPP2).

This document will be enhanced and maintained per the following general process:

- In general, only terms used in OMA DM specifications will be included in the dictionary, including terms related to MO Enablers, as long as it makes sense that these terms can be reused in the context of at least another MO or DM spec.
- Terms created by other fora may be included if used in OMA DM or MO specifications, but other terms supporting/clarifying the external forum terms will not be included, if not used in these specifications; instead, the source forum will be identified so the reader can consult it for further information. If there exist multiple competing definitions with valid application in the OMA DM or MO context, they may be included.
- Multiple definitions will be included for terms that have different meanings in different OMA DM or MO specifications. While the goal will be to align terms across the documents, some documents may have valid reasons for using the same term with different meanings.

## 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](http://www.ietf.org/rfc/rfc2119.txt)
- [RFC4234] “Augmented BNF for Syntax Specifications: ABNF”. D. Crocker, Ed., P. Overell. October 2005,  
[URL:http://www.ietf.org/rfc/rfc4234.txt](http://www.ietf.org/rfc/rfc4234.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

- [OMADICT] “Dictionary for OMA Specifications”, Version 2.7, Open Mobile Alliance™,  
OMA-ORG-Dictionary-V2\_7,  
[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” and “Introduction”, are normative, unless they are explicitly indicated to be informative.

### 3.2 Definitions

#### 3.2.1 0-9

<void>

#### 3.2.2 A

<void>

#### 3.2.3 B

<void>

#### 3.2.4 C

<void>

#### 3.2.5 D

##### **Delegation**

A process by which one Management Authority delegates management control to another MA. This state remains in effect until the delegating MA revokes all delegation privileges given to the delegated MA and resumes full control.

##### **Device Management Authority**

Any legal entity authorized, either directly or through delegation, to perform management operations on a Device using the OMA Device Management protocol through a set of Management Objects

##### **Device Management Gateway**

An entity that facilitates interaction between a management server and a management client, at least one of which runs OMA-DM, in situations where direct and unaided interaction between the management server and the management client is not possible.

##### **Device Management Server (DM Server)**

An abstract software component in a deployed Device Management infrastructure that conforms to the OMA Device Management Enabler static conformance requirements specified for DM Servers. It serves as an end-point of the DM Client-Server Protocols.

##### **Device Management Client (DM Client)**

An abstract software component in a Device implementation that conforms to the OMA Device Management Enabler static conformance requirements specified for DM Clients. It serves as an end-point of the DM Client-Server Protocols.

##### **Device Management System**

A collection of Device Management Clients, Device Management Servers and Device Management Authority facilities, operating together according to the [DM1.3AD].

### Device

See [OMADICT]

### 3.2.6 E

<void>

### 3.2.7 F

### Full Delegation

Delegating Management Authority relinquishes management control completely while the delegation relationship is in effect. For example, if Management Authority MA<sub>1</sub> delegates to Management Authority MA<sub>2</sub>, then MA<sub>1</sub> cannot manage what has been delegated to MA<sub>2</sub>.

### 3.2.8 G

<void>

### 3.2.9 H

<void>

### 3.2.10 I

<void>

### 3.2.11 J

<void>

### 3.2.12 K

<void>

### 3.2.13 L

<void>

### 3.2.14 M

### Management Authority (MA)

See definition for Device Management Authority.

### 3.2.15 N

<void>

### 3.2.16 O

<void>



**3.2.17 P**

&lt;void&gt;

**3.2.18 Q**

&lt;void&gt;

**3.2.19 R**

&lt;void&gt;

**3.2.20 S****Shared Delegation**

Delegating Management Authority shares management control with the delegated Management Authority while the delegation relationship is in effect. For example, if Management Authority MA<sub>1</sub> delegates to Management Authority MA<sub>2</sub>, then MA<sub>1</sub> can continue to manage what has been delegated to MA<sub>2</sub>.

**Sub-delegation**

Process by which a delegated Management Authority assumes the role of a delegating Management Authority and delegates management control, either wholly or in part, to a third Management Authority.

**3.2.21 T**

&lt;void&gt;

**3.2.22 U**

&lt;void&gt;

**3.2.23 V**

&lt;void&gt;

**3.2.24 W**

&lt;void&gt;

**3.2.25 X**

&lt;void&gt;

**3.2.26 Y**

&lt;void&gt;

**3.2.27 Z**

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## 3.3 Abbreviations

### 3.3.1 0-9

<void>

### 3.3.2 A

<void>

### 3.3.3 B

<void>

### 3.3.4 C

<void>

### 3.3.5 D

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### 3.3.6 E

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### 3.3.7 F

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### 3.3.8 G

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### 3.3.9 H

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### 3.3.10 I

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### 3.3.11 J

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### 3.3.14 M

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**3.3.15 N**

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**3.3.16 O**

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**3.3.17 P**

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**3.3.18 Q**

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**3.3.19 R**

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**3.3.20 S**

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**3.3.21 T**

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**3.3.22 U**

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**3.3.23 V**

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**3.3.24 W**

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**3.3.26 Y**

&lt;void&gt;

**3.3.27 Z**

&lt;void&gt;

## 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-SUP-DM_Dictionary-V1_0	29 Jan 2009	3.2.5	Applied OMA-DM-2008-0163R01-CR_DM_Dictionary.
	11 Dec 2009	All	Applied OMA-DM-2009-0120-CR_DM_Gateway_Definition, OMA-DM-2009-0143R01-CR_Delegation_related_definitions
	11 Feb 2010	All	Editorial clean-up by DSO
	26 Apr 2010	Cover page, 3.3	Removed automatic update field on cover page Re-numbering of sub sections in 3.3
	27 Apr 2010	3.2.5	Formatting of fonts Deletion of editor's note
Candidate Version OMA-SUP-DM_Dictionary-V1_0	25 May 2010	N/A	Status changed to Candidate by TP Ref # OMA-TP-2010-0221- INP_DM_V1.3_ERP_and_ETR_for_Candidate_approval