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1. Scope

The scope of this document is limited to the Enabler Release Definition of OMA Device Management v2.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5.
2. References

2.1 Normative References

[DMAD]  “OMA Device Management Architecture, Version 2.0”, Open Mobile Alliance™, OMA-AD-DM-V2_0,
URL:http://www.openmobilealliance.org/

[DMRD]  “OMA Device Management Requirements, Version 2.0”, Open Mobile Alliance™, OMA-RD-DM-V2_0,
URL:http://www.openmobilealliance.org/

DM-V2_0,
URL: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

[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 2.7, 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” and “Introduction”, 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

<table>
<thead>
<tr>
<th>Definition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device Management</td>
<td>Management of the Device configuration and other managed objects of Devices from the point of view of the various Management Authorities. Device Management includes, but is not restricted to setting initial configuration information in Devices, subsequent updates of persistent information in Devices, retrieval of management information from Devices and processing events and alarms generated by Devices.</td>
</tr>
<tr>
<td>Enabler Release</td>
<td>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 fulfill a number of related market requirements.</td>
</tr>
<tr>
<td>Minimum Functionality Description</td>
<td>Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.</td>
</tr>
</tbody>
</table>

3.3 Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM</td>
<td>Device Management</td>
</tr>
<tr>
<td>DTD</td>
<td>Document Type Definition</td>
</tr>
<tr>
<td>ERDEF</td>
<td>Enabler Requirement Definition</td>
</tr>
<tr>
<td>ERELD</td>
<td>Enabler Release Definition</td>
</tr>
<tr>
<td>OMA</td>
<td>Open Mobile Alliance</td>
</tr>
<tr>
<td>RD</td>
<td>Requirements Document</td>
</tr>
<tr>
<td>SCR</td>
<td>Static Conformance Requirements</td>
</tr>
</tbody>
</table>
4. Release Version Overview

The Device Management (DM) Enabler provides a platform neutral protocol to allow servers to remotely manage devices. DM is intended to operate over a variety of transport and notification protocols in a platform neutral format.

4.1 Version 1.2

The DM V1.2 Enabler added or improved the following functionalities:

- Enhanced security
- DM Profile bootstrap
- TNDS
- Inbox
- DM Account
- XML Encryption
- Generic Alert
- Excluded "Con" object which provided rudimentary connectivity configuration and which as since been replaced by the ConnMO Reference Release [ConnMO]
- Nonce Resynchronization

4.2 Version 1.3

The DM V1.3 Enabler supports the following additional functionalities:

- Support for SIP Push for sending notification message,
- Specify for mandatory support for bootstrap/TNDS
- Support for rich information in notification message including expiration, reason for session, etc.
- Improved discovery of optional DM functionalities supported by the DM Client.

4.3 Version 2.0

The DM V2.0 Enabler supports the following additional functionalities:

- Improved mechanism for multiple management authorities dealing with a single client.
- Support for management of devices that lie outside the management domain of the service providers,
- Support application interaction with the DM client’s management objects.
- Support DM functionality on devices with more than one access technology/operating system/environment.
- Improved protocol and representation.
5. Document Listing for Device Management 2.0

This section is normative.

<table>
<thead>
<tr>
<th>Doc Ref</th>
<th>Permanent Document Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[DMRD]</td>
<td>OMA-RD-DM-V2_0-20100309-C</td>
<td>Requirement Document for DM 2.0 Enabler</td>
</tr>
<tr>
<td>[DMRD]</td>
<td>OMA-RD-DM-V1_3-20100525-C</td>
<td>Requirement Document for DM 1.3 Enabler</td>
</tr>
<tr>
<td>[DMAD]</td>
<td>OMA-AD-DM-V2_0-20100720-C</td>
<td>Architecture Document for DM 2.0 Enabler</td>
</tr>
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<td>[DMAD]</td>
<td>OMA-AD-DM-V1_3-20100525-C</td>
<td>Architecture Document for DM 1.3 Enabler</td>
</tr>
</tbody>
</table>

Table 1: Listing of Documents in DM V2.0 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 DM 2.0 - Client Requirements

This section is normative.

<table>
<thead>
<tr>
<th>Item</th>
<th>Feature / Application</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMA-ERDEF-&lt;&lt;ENABLER&gt;&gt;-C-001-&lt;&lt;M/O&gt;&gt;</td>
<td>&lt;&lt;ENABLER&gt;&gt; Client</td>
<td></td>
</tr>
</tbody>
</table>

Table 2: ERDEF for DM 2.0 Client-side Requirements
9. ERDEF for DM 2.0 - Server Requirements

This section is normative.

<table>
<thead>
<tr>
<th>Item</th>
<th>Feature / Application</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMA-ERDEF-&lt;&lt;ENABLER&gt;&gt;-S-001-&lt;&lt;M/O&gt;&gt;</td>
<td>&lt;&lt;ENABLER&gt;&gt; Server</td>
<td></td>
</tr>
</tbody>
</table>

Table 3: ERDEF for DM 2.0 Server-side Requirements
## Appendix A. (Informative)

### A.1 Approved Version History

<table>
<thead>
<tr>
<th>Reference</th>
<th>Date</th>
<th>Description</th>
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</thead>
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<td>N/A</td>
<td>N/A</td>
<td>No prior version</td>
</tr>
</tbody>
</table>

### A.2 Draft/Candidate Version 2.0 History

<table>
<thead>
<tr>
<th>Document Identifier</th>
<th>Date</th>
<th>Sections</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft Versions OMA-ERELD-DM-V2_0</td>
<td>16 Nov 2009</td>
<td>All</td>
<td>Baseline to v2.0. (agreed in OMA-DM-DM20-2009-0051) Added OMA-RD-DM-V1_3-20090901-C to the list of documents for RD formal review by REQ</td>
</tr>
<tr>
<td>Candidate Version OMA-ERELD-DM-V2_0</td>
<td>08 Feb 2010</td>
<td>5</td>
<td>Changes to OMA-RD-DM-V2.0 Section 5 updated to reflect this</td>
</tr>
<tr>
<td>Draft Versions OMA-ERELD-DM-V2_0</td>
<td>09 Mar 2010</td>
<td>N/A</td>
<td>Status changed to Candidate by TP TP ref#: OMA-TP-2010-0100-INP_DM_V2_0_RD_for_Candidate_Approval</td>
</tr>
<tr>
<td>Candidate Version OMA-ERELD-DM-V2_0</td>
<td>12 May 2010</td>
<td>5</td>
<td>Added AD to list of documents</td>
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<tr>
<td>Draft Versions OMA-ERELD-DM-V2_0</td>
<td>31 May 2010</td>
<td>5</td>
<td>Updated list of documents</td>
</tr>
<tr>
<td>Candidate Version OMA-ERELD-DM-V2_0</td>
<td>25 Jun 2010</td>
<td>5</td>
<td>Updated list of documents</td>
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<tr>
<td>Candidate Version OMA-ERELD-DM-V2_0</td>
<td>20 Jul 2010</td>
<td>N/A</td>
<td>Status changed to Candidate by TP TP ref#: OMA-TP-2010-0283-INP_DM_V2_0_AD_for_Candidate_Approval</td>
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