



# **Enhanced Visual Voice Mail Management Object**

## **Candidate Version 1.0 – 07 Aug 2012**

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**Open Mobile Alliance**  
OMA-TS-EVVM\_MO-V1\_0-20120807-C

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# 1. Scope

This document defines the OMA EVVM Management Object (MO). The MO is defined using the OMA Device Description Framework.

## 2. References

### 2.1 Normative References

- [EVVM-ER] “Enhanced Visual Voice Mail”, Version 1.0, Open Mobile Alliance™, OMA-ER-EVVM-V1\_0, URL: <http://www.openmobilealliance.org/>
- [OMA DM] “OMA Device Management”, Open Mobile Alliance™, OMA-ERP-DM-V1\_3, 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>
- [RFC4234] “Augmented BNF for Syntax Specifications: ABNF”. D. Crocker, Ed., P. Overell. October 2005, URL: <http://www.ietf.org/rfc/rfc4234.txt>
- [XDM MO] “OMA Management Object for XML Document Management”, Version 2.1, Open Mobile Alliance™, OMA-TS-XDM\_MO-V2\_1, URL: <http://www.openmobilealliance.org/>

### 2.2 Informative References

## 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

**EVVM Client**                    See [EVVM-ER]

**Management Object**        See [OMA DM]

### 3.3 Abbreviations

**DM**                                Device Management

**MO**                                Management Object

**OMA**                              Open Mobile Alliance

## 4. Introduction

This document describes the configuration parameters and associated management object syntax that allows configuration of OMA EVVM Client(s).

### 4.1 Version 1.0

The EVVM MO Version 1.0 aims to provide the configuration parameters for the EVVM Client.

The EVVM MO Version 1.0 can be used for EVVM 1.0 Enabler.

## 5. OMA EVVM Management Object

This subclause defines the Management Object (MO) for OMA EVVM. The MO SHOULD be used for initial provisioning of parameters when the OMA DM is to be used, and the MO SHOULD be used for continuous provisioning, which allows the service provider to update any parameter defined in the MO tree for service configurations during service deployment [OMA DM].

The OMA EVVM Management Object consists of relevant parameters for configuration of EVVM Client(s). It is defined using the OMA DM Device Description Framework as described in [OMA DM].

The Management Object Identifier is: urn:oma:mo:oma-evvm:1.0

Protocol compatibility: This MO is compatible with OMA DM 1.3 (see [OMA DM]).

Management object name: oma-evvm

### 5.1 Management Object Tree

This section describes the Management Object tree (i.e. nodes and leaf objects) for provisioning of OMA EVVM Client(s).

Figure 1 shows the interior nodes and leaf objects defined under the OMA-EVVM node, which is used for configuration of EVVM Clients.

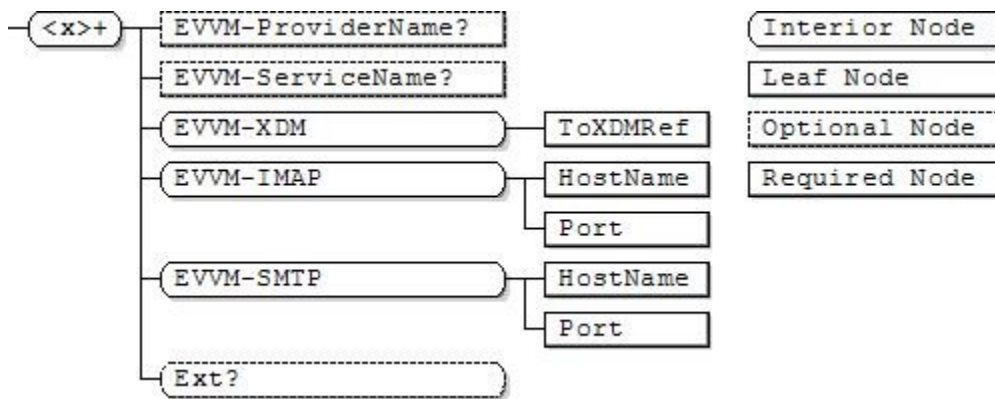


Figure 1: The OMA EVVM Management Object tree

### 5.2 Management Object Parameters

This section describes the parameters for OMA EVVM MO.



.../<x>

Status	Tree Occurrence	Format	Min. Access Types
Required	OneOrMore	node	Get

This interior node represents the unique object id of a *Enhanced Visual Voice Mail Management Object*, or EVVM MO. The purpose of this interior node is to group together the parameters of a single EVVM MO object. The ancestor elements of this node define the position in the management tree of the EVVM MO.

The Management Object Identifier is: “urn:oma:mo:oma-evvm:1.0”

#### EVVM-ProviderName

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	chr	Get

This parameter/leaf node provides an identifier for the service provider of this EVVM service, which is expected to be globally unique..

#### EVVM-ServiceName

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	chr	Get

This parameter/leaf node provides a user friendly identifier for this EVVM service for this service provider, which refers to the group of parameters in this object instance.

#### EVVM-XDM

Status	Tree Occurrence	Format	Min. Access Types
Required	One	node	Get

This interior node represents a container for configuring EVVM XDMS related properties.

#### EVVM-XDM/ToXDMLRef

Status	Tree Occurrence	Format	Min. Access Types
Required	One	chr	Get

This parameter/leaf node specifies a reference to XDM MO as defined in [XDM MO] that is used to configure the XDM Client associated with the EVVM Client. The referenced XDM management object is either an existing instance on the client device or an instance specific to this EVVM MO.

The value SHALL be a valid reference to a XDM Management Object.

**EVVM-IMAP**

Status	Tree Occurrence	Format	Min. Access Types
Required	One	node	Get

This interior node represents a container for configuring the EVVM Server's IMAP interface settings.

**EVVM-IMAP/HostName**

Status	Tree Occurrence	Format	Min. Access Types
Required	One	chr	Get

This parameter/leaf node indicates the host name of the EVVM Server's IMAP interface.

**EVVM-IMAP/Port**

Status	Tree Occurrence	Format	Min. Access Types
Required	One	int	Get

This parameter/leaf node indicates the port number of the EVVM Server's IMAP interface in the range of 0-65535.

**EVVM-SMTP**

Status	Tree Occurrence	Format	Min. Access Types
Required	One	node	Get

This interior node represents a container for configuring the EVVM Server's SMTP interface settings.

**EVVM-SMTP/HostName**

Status	Tree Occurrence	Format	Min. Access Types
Required	One	chr	Get

This parameter/leaf node indicates the host name of the EVVM Server's SMTP interface.

**EVVM-SMTP/Port**

Status	Tree Occurrence	Format	Min. Access Types
Required	One	int	Get

This parameter/leaf node indicates the port number of the EVVM Server's SMTP interface in the range of 0-65535.

**Ext**

Status	Tree Occurrence	Format	Min. Access Types
Optional	ZeroOrOne	node	Get

This interior node designates a branch of the <x> sub-tree into which vendor extensions MAY be added, permanently or dynamically. Ext sub tree provides flexible points of extension for vendor-specific parameters. However, vendor extensions MUST NOT be defined outside of Ext sub-tree.

## Appendix A. Change History (Informative)

### A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version –or- No previous version within OMA

### A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-TS-EVVM_MO-V1_0	17 May 2012	n/a	Initial draft for EVVM MO specification
	09 Jul 2012	all	OMA-COM-EVVM-2012-0213-CR_EVVM_MO_TS_bugfixes
	17 Jul 2012	App A	Editorial fix: History table and cover page
Candidate Version: OMA-TS-EVVM_MO-V1_0	07 Aug 2012	All	Status changed to Candidate by TP: OMA-TP-2012-0297-INP_EVVM_V1_0_ERP_for_Candidate_Approval