



# **Enabler Test Report**

## **Software Component Management Object v1.2**

OMA Virtual TestFest (December 2010)  
Version 13<sup>th</sup> December 2010

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Open Mobile Alliance  
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# 1. Scope

This report describes the results from the testing carried out at OMA Virtual TestFest-03 (December 2010) concerning the Software Component Management Object Version 1.0 Enabler.

## 2. References

### 2.1 Normative References

- [IOPPROC] “OMA Interoperability Policy and Process”, Open Mobile Alliance™, OMA-ORG-IOP\_Process, [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)
- [ERELD] ”Enabler Release Definition for Device Management”, OMA-ERELD-SCOMO-V1\_0-20100401-C, [URL:http://www.openmobilealliance.org](http://www.openmobilealliance.org)
- [ERP] “Enabler Release Package”, OMA-ERP-SCOMO-V1\_0-20100401-C, [URL:http://www.openmobilealliance.org](http://www.openmobilealliance.org)
- [EVP] “Enabler Test Guidelines”, OMA-EVP-SCOMO-V1\_0-20100406-C, [URL:http://www.openmobilealliance.org](http://www.openmobilealliance.org)
- [ETS] “Enabler Test Specification”, OMA-ETS-SCOMO-V1\_0-20101116-D, [URL:http://www.openmobilealliance.org](http://www.openmobilealliance.org)

### 2.2 Informative References

- [OMADICT] Dictionary for OMA Specification, OMA-Dictionary <http://www.openmobilealliance.org/>

## 3. Terminology and Conventions

### 3.1 Conventions

This is an informative document, i.e. the document does not intend to contain normative statements.

### 3.2 Definitions

<b>Test Case</b>	A Test Case is an individual test used to verify the conformance of the Test Object to a particular mandatory feature of the protocol. A 4-digit number identifies Test Cases where the first two digits denote the Test Group ID.
<b>Test Group</b>	A Test Group is a collection of Test Cases, which are executed, in a single SyncML session in SCTS conformance test tool.
<b>Test Object</b>	The implementation under test is referred to as the Test Object. In this document, the Client.
<b>TestFest</b>	Multi-lateral interoperability testing event
<b>Trusted Zone</b>	An OMA staff function to provide a neutral confidential information and results collection service to OMA Members. The Trusted Zone is responsible for all reports resulting from an OMA Test Event and to ensure that all general reports cannot attributed to any one individual participating company
<b>&lt;Node&gt;</b>	Path from the root to the interior node that is configured to the SCTS before the testing is done (e.g. './SyncML/DMAcc' or './DevDetail'). Test case is driven to this configured interior node. The <Node> can be different between different Test Cases.
<b>Virtual TestFest</b>	Interoperability testing event where participants are in different locations around the world.

### 3.3 Abbreviations

<b>DDF</b>	Device Description Framework
<b>DL</b>	Download
<b>DLOTA</b>	Download Over-The-Air
<b>DM</b>	Device Management
<b>MO</b>	Management Object
<b>OMA</b>	Open Mobile Alliance
<b>SCOMO</b>	Software Component Management Object
<b>SCR</b>	Static Conformance Requirement
<b>DDF</b>	Device Description Framework
<b>TC</b>	Test Case

## 4. Summary

This report gives details of the testing carried out during the OMA Virtual TestFest-03 (December 2010) for Software Component Management Object (SCOMO) v1.0.

The report is compiled on behalf of OMA by the OMA Trusted Zone.

The work and reporting has followed the OMA IOP processes and policies [OMAIOPPROC].

## 5. Test Details

### 5.1 Documentation

This chapter lists the details of the enabler and any documentation, tools or test suites used to prove the enabler.

<b>Date:</b>	6 <sup>th</sup> to 8 <sup>th</sup> December 2010
<b>Location:</b>	N/A
<b>Enabler:</b>	SCOMO v1.0
<b>Process:</b>	OMA Interoperability Policy and Process [OMAIOPPROC]
<b>Type of Testing</b>	Interoperability Testing
<b>Products tested:</b>	Client-to-Server
<b>Test Guidelines:</b>	SCOMO 1.0 Enabler Validation Plan [EVP] OMA-EVP-SCOMO-V1_0-20100406-C
<b>Test Specification:</b>	SCOMO 1.0 Enabler Test Specification [ETS]: OMA-ETS-SCOMO-V1_0-20101116-D
<b>Test Tool:</b>	None
<b>Test Code:</b>	None
<b>Type of Test event:</b>	Virtual TestFest
<b>Participants:</b>	Websync plus 1 other participant.
<b>Number of Client Implementations:</b>	1
<b>Participating Technology Providers for clients:</b>	Websync
<b>Implementation IDs for each client:</b>	SCOMO Client
<b>Number of Server Implementations:</b>	1
<b>Participating Technology Providers for servers:</b>	1 Server
<b>Implementation IDs for each server:</b>	1 Server implementation
<b>Number of Smartcard Implementations:</b>	<i>None</i>
<b>Participating Technology Providers for Smartcards:</b>	<i>None</i>
<b>Implementation IDs for each Smartcard:</b>	<i>None</i>

<b>Number of test sessions completed:</b>	1
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## 5.2 Test Case Statistics

### 5.2.1 Test Case Summary

This chapter gives an overview of the result for all test cases included in [ETS].

The following status is used in the tables below:

- Total number of TCs: Used in the summary to indicate how many test cases there are in total.
- Number of passed: Used in the summary to indicate how many of the total testcases that successfully has been passed.
- Number of failed: Used in the summary to indicate how many of the total testcases that has failed.
- Number of N/A: Used in the summary to indicate how many of the total testcases that has not be run due to that the implementation(s) do not support the functionality required to run this test case.
- Number of OT: Used in the summary to indicate how many of the total testcases that has not be run due to no time to run the test case.
- Number of INC: Used in the summary to indicate how many of the total testcases that has not been run due to that the functionality could not be tested due to an error in the implementation in another functionality that is required to run this test case.

Test Section:	Number of test sessions:	Total number of TCs:	Number of Passed:	Number of Failed:	Number of N/A:	Number of OT:	Number of INC:	Total:
Client to Server TCs	1	14	6	0	8	0	0	14
<b>Total</b>	<b>1</b>	<b>14</b>	<b>6</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>14</b>

Table 1. Test Summary Table

## 5.2.2 Test Case List

This chapter lists the statistics for all all interoperability test cases included in [ETS].

The following status is used in the tables below:

- **Runs (R):** Used to indicate the total number of times the test case have been run ( $R = P + F + I$ ).
- **Pass (P):** Used to indicate how many times the test case have been run and successfully passed.
- **Fail (F):** Used to indicate how many times the test cases have been run and failed (used when the failure reason is known).
- **Inconclusive (I):** Used to indicate how many times the test cases have been run and did not pass due to other nature than conclusive implementation or specification failure (e.g.: the failure reason cannot be clearly determined).
- **Not Applicable (N/A):** Used to indicate how many times the test cases have not be run due to lack of support for the required functionality to run this test case by one or more involved implementations.
- **Out of Time (O):** Used to indicate how many times the test cases have not been run due to lack of time.
- **Problem Report (PR):** Used to indicate how many PRs have been issued for the test case.
- **Note:** Used to indicate the cause of the Inconclusive or Failed results.

### Tests for DM v1.2 Enabler TestFest taken from OMA-ETS-SCOMO-V1\_0-20101116-D

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
SCOMO-1.0-INT-001	The purpose of this test is to verify that the SCOMO Client supports the required SCOMO elements and the required nodes in the DM tree	1	1	0	0	0	0		
SCOMO-1.0-INT-002	The purpose is to test client and server interoperability when delivering and installing a Delivery Package using Large Object, using synchronous reporting	0	0	0	0	0	1		
SCOMO-1.0-INT-003	The purpose is to test client and server interoperability when delivering and installing a Delivery Package using Large Object and asynchronous reporting	0	0	0	0	0	0		
SCOMO-1.0-INT-004	The purpose is to test client and server interoperability when delivering a Delivery Package using Alternate Download	0	0	0	0	0	0	0008	
SCOMO-1.0-INT-005	The purpose is to test client and server interoperability when delivering a Delivery Package using Alternate Download	1	1	0	0	0	0	0008	

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
SCOMO-1.0-INT-006	The purpose is to test client and server interoperability when removing an existing software component with synchronous reporting	0	0	0	0	0	0		
SCOMO-1.0-INT-007	The purpose is to test client and server interoperability when removing an existing software component with asynchronous reporting	1	1	0	0	0	1		
SCOMO-1.0-INT-008	The purpose is to test client and server interoperability when activating an existing software component with synchronous reporting	0	0	0	0	0	1		
SCOMO-1.0-INT-009	The purpose is to test client and server interoperability when activating an existing software component with asynchronous reporting	1	1	0	0	0	1		
SCOMO-1.0-INT-010	The purpose is to test client and server interoperability when deactivating an existing software component with synchronous reporting	0	0	0	0	0	0		
SCOMO-1.0-INT-011	The purpose is to test client and server interoperability when deactivating an existing software component with asynchronous reporting	1	1	0	0	0	1		
SCOMO-1.0-INT-012	The purpose is to test client and server interoperability when removing a delivered delivery package using synchronous reporting	0	0	0	0	0	0		
SCOMO-1.0-INT-013	The purpose is to test client and server interoperability when removing a delivered delivery package using asynchronous reporting	1	1	0	0	0	1		
SCOMO-1.0-INT-014	The purpose is to test client and server interoperability when downloading a Delivery Package, using Large Object	0	0	0	0	0	0		

Table 2. Test Case Counts

## 5.3 Problem Reports

During the activities for Virtual TestFest-03, the following problem reports were generated relating to the test materials and test process:

PR Number	Affecting	Description	Test Case reference / Specification reference
SCOMO10-0008	OMA-ETS-SCOMO-V1_0-20100921-C	During Virtual Test Event-03 it was realised OMA-ETS-SCOMO-V1_0-20100921-C includes test cases for Delivery using Alternate Download (6.4 and 6.5) but does not include a subsequent installation test case for when Alternate Download is used. Not every device supports Large Objects (for which the test cases include installation).	OMA-ETS-SCOMO-V1_0-20100921-C 6.4 SCOMO-1.0-int-004 6.5 SCOMO-1.0-int-005

Full details of all Problem Reports can be found at:

[http://www.openmobilealliance.org/TestFests/Problem\\_Reporting.aspx](http://www.openmobilealliance.org/TestFests/Problem_Reporting.aspx)

## 6. Confirmation

This signature states that the included information is true and valid.

A handwritten signature in black ink, appearing to read "Miguel S. Almeida", is written over a light gray rectangular background.

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OMA Trusted Zone

## Appendix A. Change History (Informative)

Type of Change	Date	Section	Description
New Version	13 <sup>th</sup> December 2010	All	First Version for Virtual TestFest-03