



Enabler Test Report Device Management V1.1.2

OMA TestFest (May 2005)

Version 27-May-2005

Open Mobile Alliance
OMA-Enabler_Test_Report-DM-112-20050527

This document is considered confidential and may not be disclosed in any manner to any non-member of the Open Mobile Alliance™, unless there has been prior explicit Board approval.

This document is a work in process and is not an approved Open Mobile Alliance™ specification. This document is subject to revision or removal without notice. No part of this document may be used to claim conformance or interoperability with the Open Mobile Alliance specifications.

© 2005 Open Mobile Alliance Ltd. All rights reserved.

Terms and conditions of use are available from the Open Mobile Alliance™ Web site at <http://www.openmobilealliance.org/copyright.html>.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance™. The Open Mobile Alliance authorises you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services offered by you.

The Open Mobile Alliance™ assumes no responsibility for errors or omissions in this document. In no event shall the Open Mobile Alliance be liable for any special, indirect or consequential damages or any damages whatsoever arising out of or in connection with the use of this information.

This document is not an Open Mobile Alliance™ specification, is not endorsed by the Open Mobile Alliance and is informative only. This document is subject to revision or removal without notice. No part of this document may be used to claim conformance or interoperability with the Open Mobile Alliance specifications.

Open Mobile Alliance™ members have agreed to use reasonable endeavors to disclose in a timely manner to the Open Mobile Alliance the existence of all intellectual property rights (IPR's) essential to the present document. However, the members do not have an obligation to conduct IPR searches. The information received by the members is publicly available to members and non-members of the Open Mobile Alliance and may be found on the "OMA IPR Declarations" list at <http://www.openmobilealliance.org/ipr.html>. Essential IPR is available for license on the basis set out in the schedule to the Open Mobile Alliance Application Form.

No representations or warranties (whether express or implied) are made by the Open Mobile Alliance™ or any Open Mobile Alliance member or its affiliates regarding any of the IPR's represented on this "OMA IPR Declarations" list, including, but not limited to the accuracy, completeness, validity or relevance of the information or whether or not such rights are essential or non-essential.

This document is available online in PDF format at <http://www.openmobilealliance.org/>.

Known problems associated with this document are published at <http://www.openmobilealliance.org/>.

Comments regarding this document can be submitted to the Open Mobile Alliance™ in the manner published at <http://www.openmobilealliance.org/documents.html>

Contents

1. SCOPE	4
2. REFERENCES.....	5
2.1 NORMATIVE REFERENCES	5
2.2 INFORMATIVE REFERENCES	5
3. TERMINOLOGY AND CONVENTIONS	6
3.1 CONVENTIONS	6
3.2 DEFINITIONS	6
3.3 ABBREVIATIONS	6
4. SUMMARY	7
5. TEST DETAILS.....	8
5.1 DOCUMENTATION.....	8
5.2 TEST CASE STATISTICS	9
5.2.1 Test Case Summary.....	9
5.2.2 Test Case List.....	10
5.2.3 Problem Reports.....	12
6. CONFIRMATION	13
APPENDIX A. CHANGE HISTORY (INFORMATIVE)	14

1. Scope

This report describes the results from the testing carried out at OMA TestFest9 (May 2005) concerning the Device Management enabler version 1.1.2.

2. References

2.1 Normative References

[OMAIOPPROC]	OMA Interoperability Policy and Process, http://www.openmobilealliance.org/
[DM112EICS]	Device Management version 1.1.2 Enabler Implementation Conformance Statement (EICS), http://www.openmobilealliance.org/
[ERELD]	OMA Device Management version 1.1.2 Enabler Release Definition
[DM112_SPEC]	OMA Device Management version 1.1.2 specifications
[EPTR]	Enabler Product Test Report
[ETP]	Enabler Test Report
[ETS]	Device Management version 1.1.2 Test Cases, OMA-ETS-DeviceManagement-v1.1.2-20031015-A, 15-Oct-2003

2.2 Informative References

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

SCTS	SyncML Conformance Test Suite.
Test Object	The implementation under test is referred to as the Test Object. In this document, the Client.
Test Case	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.
Test Group	A Test Group is a collection of Test Cases, which are executed, in a single SyncML session in SCTS conformance test tool.
<Node>	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.
<Leaf> or <Leaf#n>	Leaf node(s) that is configured to the SCTS before the testing is done (e.g.. ‘SwV’ and/or ‘Name’). Test case is driven to this configured interior node. The <Leaf> can be different between different Test Cases.

3.3 Abbreviations

DM	Device Management
DSDM	Data Synchronization Device Management
EICS	Enabler Implementation Conformance Statement
EPTR	Enabler Product Test Report
ETP	Enabler Test Plan
ETS	Enabler Test Specification
OMA	Open Mobile Alliance
PR	Problem Report
SCTS	Synchronization Conformance Test Suite

4. Summary

This report gives details of the testing carried out during the OMA TestFest9 (May 2005) for enabler Device Management version 1.1.2.

The report is compiled on behalf of OMA by NCC Group.

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.

Date:	May 2005
Location:	Helsinki, Finland
Enabler:	Device Management v1.1.2
Process:	OMA Interoperability Policy and Process [OMAIOPPROC]
Type of Testing	Interoperability Testing
Products tested:	Client-to-Server
Test Plan:	Device Management Version 1.1.2 Enabler Test Plan [ETP]
Test Specification:	Device Management Enabler Test Specification [ETS]
Test Tool:	SCTS 3.1.2
Test Code:	None
Type of Test event:	TestFest
Participants:	IBM (2 products), Nokia(2 products), Insignia, Samsung Electronics, Sony Ericsson, Symbian Ltd, Bitfone, Openwave Systems Inc., Synchronica Software GmbH <i>and 3 other participants</i>
Number of Client Products:	7
Participating Technology Providers for clients:	IBM, Nokia, Samsung Electronics, Sony Ericsson, Symbian Ltd, <i>and 2 other participants</i>
Number of Server Products:	7
Participating Technology Providers for servers:	Bitfone, IBM, Insignia, Nokia, Openwave Systems Inc., Synchronica Software GmbH <i>and 1 other participant</i>
Number of test sessions completed:	44 of 45

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 test cases successfully passed.
- **Number of failed:** Used in the summary to indicate how many of the total test cases failed.
- **Number of N/A:** Used in the summary to indicate how many of the total test cases have not been run due to one of the implementations not supporting the functionality required to run this test case.
- **Number of OT:** Used in the summary to indicate how many of the total test cases have not been run due to no time to run the test case.
- **Number of INC:** Used in the summary to indicate how many of the total test cases have not been run due to functionality not being tested due to an error in the implementation or other 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	44	26	747	10	256	111	20	1144
Total	44	26	747	10	256	111	20	1144

5.2.2 Test Case List

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

The following status is used in the tables below:

- **No. of runs(R):** Used to indicate how many times the test cases have been run in total.
- **No. of passed(P):** Used to indicate how many times the test case has been run with successful result.
- **No. of failed(F):** Used to indicate how many times the test case has been run with failed result
- **No. of OT(O):** Used to indicate how many times the test case has not been run due to no time available.
- **No. of INC(I):** Used to indicate how many times the test case has not been run due to errors being found in other functionality required for running this test case.
- **PR:** Used to indicate if any PRs (Problem Reports) have been issued during testing.
- **Note:** Used to indicate the cause of Inconclusive or Fail verdicts.

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DeviceManagement-v1.1.2-int-001	Purpose of this verification is to show compliance with Basic client authentication.	40	37	0	2	1		
DeviceManagement-v1.1.2-int-002	Purpose of this verification is to show compliance with MD-5 client authentication.	44	39	0	5	0		
DeviceManagement-v1.1.2-int-003	Purpose of this verification is to show compliance with MD-5 server authentication.	43	37	0	5	1		
DeviceManagement-v1.1.2-int-004	Purpose of this verification is to show compliance with the GET command on a leaf node.	44	40	0	4	0		
DeviceManagement-v1.1.2-int-005	Purpose of this verification is to show compliance with the GET command on a node that doesn't exist.	44	40	0	4	0		
DeviceManagement-v1.1.2-int-006	Purpose of this verification is to show compliance with the GET command on an interior node.	44	40	0	4	0		
DeviceManagement-v1.1.2-int-007	Purpose of this verification is to show compliance with the GET on an inaccessible leaf node.	44	40	0	4	0		
DeviceManagement-v1.1.2-int-008	Purpose of this verification is to show compliance with REPLACE on permanent leaf node.	44	40	0	4	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DeviceManagement-v1.1.2-int-009	Purpose of this verification is to show compliance with management node ACL behaviour.	38	34	1	2	1		
DeviceManagement-v1.1.2-int-010	Purpose of this verification is to show compliance with the error handling when connection failure occurs during the SyncML DM session.	44	38	0	5	1		
DeviceManagement-v1.1.2-int-011	Purpose of this verification is to show compliance with Basic server authentication.	33	31	0	2	0		
DeviceManagement-v1.1.2-int-012	Purpose of this verification is to show compliance with HMAC client authentication.	32	27	0	5	0		
DeviceManagement-v1.1.2-int-013	Purpose of this verification is to show compliance with HMAC server authentication.	32	23	0	6	3		
DeviceManagement-v1.1.2-int-014	Purpose of this verification is to show compliance with the large object/multiple commands.	28	21	1	6	0		
DeviceManagement-v1.1.2-int-015	Purpose of this verification is to show compliance with notification initiated session.	25	15	1	5	4		
DeviceManagement-v1.1.2-int-016	Purpose of this verification is to show compliance with bootstrap.	26	14	3	4	5		
DeviceManagement-v1.1.2-int-017	Purpose of this verification is to show compliance with UI Display Alert	34	31	0	3	0		
DeviceManagement-v1.1.2-int-018	Purpose of this verification is to show compliance with UI Confirmation Alert.	29	27	0	2	0		
DeviceManagement-v1.1.2-int-019	Purpose of this verification is to show compliance with UI Text Input Alert.	22	20	0	2	0		
DeviceManagement-v1.1.2-int-020	Purpose of this verification is to show compliance with UI Single Choice Alert.	20	16	0	2	2		
DeviceManagement-v1.1.2-int-021	Purpose of this verification is to show compliance with UI Multiple Choice Alert.	20	16	0	2	2		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DeviceManagement-v1.1.2-int-022	Purpose of this verification is to show compliance with the server reading subtree structure without data from part of the management tree.	13	8	0	5	0		
DeviceManagement-v1.1.2-int-023	Purpose of this verification is to show compliance with the server reading subtree structure and data from part of the management tree.	13	8	0	5	0		
DeviceManagement-v1.1.2-int-024	Purpose of this verification is to verify creation of new Application Setting in client using DM server	44	35	2	7	0		
DeviceManagement-v1.1.2-int-025	Purpose of this verification is to verify modification of Application Settings in client using DM server.	44	35	1	8	0		
DeviceManagement-v1.1.2-int-026	Purpose of this verification is to verify deletion of Application Settings in client using DM server.	44	35	1	8	0		

5.2.3 Problem Reports

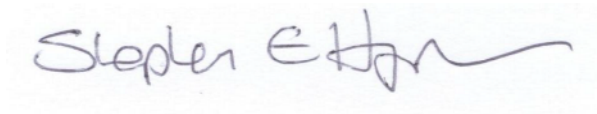
During the activities for TestFest9, the following problem reports were generated relating to the test materials and test process:

PR Number	Affecting	Description	Test Case reference / Specification reference
0014	EICS - Client	EICS should reflect a device's capability to support either the Secure Transport Class or the General Transport Class.	-

Full details of the Problem Reports can be found at: <http://www.opengroup.org:8000/OMA-PR/>

6. Confirmation

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

A handwritten signature in blue ink that reads "Stephen Higgins". The signature is written in a cursive style with a long horizontal flourish at the end.

Stephen Higgins – Device Management Trusted Zone

Appendix A. Change History (Informative)

Type of Change	Date	Section	Description