Enabler Test Report Data Synchronization V1.1.2

OMA Test Fest(January 2005)
Version 28-Jan-2005

Open Mobile Alliance
OMA-Enabler_Test_Report-DS-112-20050128

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1. Scope

This report describes the results from the testing carried out at OMA Test Fest(January 2005) concerning the Data Synchronization enabler version 1.1.2.

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2. References

2.1 Normative References

[OMAIOPPROC] OMA Interoperability Policy and Process, http://www.openmobilealliance.org/

[DS112EICS] Data Synchronization version 1.1.2 Enabler Implementation Conformance Statement (EICS), http://www.openmobilealliance.org/

[ERELD] OMA Data Synchronization version 1.1.2 Enabler Release Definition

[DS112_SPEC] OMA Data Synchronization version 1.1.2 specifications

[EPTR] Enabler Product Test Report

[ETP] Enabler Test Report

[ETS] Data Synchronization version 1.1.2 Test Cases, OMA-ETS-DataSynchronization-V1_1_2-20031015-A, 15-Oct-2003

2.2 Informative References

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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

None.

3.3 Abbreviations

DS	Data Synchronization
DSDM	Data Synchronization Device Managment
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

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4. Summary

This report gives details of the testing carried out during the OMA Test Fest (January 2005) for enabler Data Synchronization 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].

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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:	January 2005
Location:	Madrid, Spain
Enabler:	Data Synchronization v1.1.2
Process:	OMA Interoperability Policy and Process [OMAIOPPROC]
Type of Testing	Interoperability Testing
Products tested:	Client-to-Server
Test Plan:	Data Synchronization Version 1.1.2 Enabler Test Plan [ETP]
Test Specification:	Data Synchronization Enabler Test Specification [ETS]
Test Tool:	SCTS 3.1.2
Test Code:	None
Type of Test event:	Test Fest
Participants:	FusionOne, Funambol, IBM, Sony Ericsson Mobile Communication, X and Mail *3 other vendor participants.*
Number of Client Products:	5
Participating Technology Providers for clients:	IBM, Sony Ericsson Mobile Communication *3 other client participants.*
Number of Server Products:	4
Participating Technology Providers for servers:	FusionOne, Funambol, X and Mail *1 other server participant.*
Number of test sessions completed:	20 of 20

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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 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	20	13	227	0	8	1	24	260
Total	**20**	**13**	**227**	**0**	**8**	**1**	**24**	**260**

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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:
DS-v1.1.2-int-001	Initial Two-way Sync	20	18	0	0	2		
DS-v1.1.2-int-002	Two-way Sync with Client and Server Add command	20	18	0	0	2	0014	
DS-v1.1.2-int-003	Two-way Sync with Client and Server Replace command	20	18	0	0	2		
DS-v1.1.2-int-004	Two-way Sync with Client and Server Delete command	20	18	0	0	2		
DS-v1.1.2-int-005	Two-way Sync with Client sending new data	20	18	0	0	2		
DS-v1.1.2-int-006	Two-way Sync with Server sending new data	20	18	0	0	2		
DS-v1.1.2-int-007	Two-way Sync with Large number of Objects	20	18	0	0	2	0019	
DS-v1.1.2-int-008	Two-way Sync with Large number of Objects Returned	20	17	0	1	2	0019	
DS-v1.1.2-int-009	Two-way Sync with Server not responding	20	18	0	0	2	0019	
DS-v1.1.2-int-010	Two-way Sync with incomplete communication	20	18	0	0	2	0019	
DS-v1.1.2-int-011	Two-way Slow Sync with data	20	18	0	0	2	0016	
DS-v1.1.2-int-012	Two-way Slow Sync to restore client data	20	18	0	0	2		

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DS-v1.1.2-int-013	Two-way Sync with Large Object Handling	12	12	0	0	0	0014	

5.2.3 Problem Reports

During the activities for TestFest-8, the following problem reports were generated relating to the test materials and test process:

PR Number	Affecting	Description	Test Case reference / Specification reference
0008	EICS	References in the Client EICS to server functionality for OBEX SCR items	Client EICS
0009	SCTS	Bug in SCTS Test Tool - Test Case 1301C	1301C
0010	SCTS	Bug in SCTS Test Tool - Test Case 1302C	1302C
0014	Specification	Problem with synchronizing data containing CRLFs when using XML encoding	DataSynchronization-v1.1.2-client-int-002
0016	Specification	Text for use of SourceRef and TargetRef is convoluted and tough to interpret	DataSynchronization-v1.1.2-client-int-011
0019	ETS	Test 7.10 for the DS enabler have pass criteria that are almost impossible to meet on the server	DataSynchronization-v1.1.2-client-int-007 to DataSynchronization-v1.1.2-client-int-010

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

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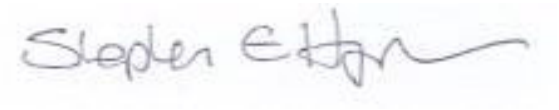
6. Confirmation

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



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Stephen Higgins – Device Management Trusted Zone

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Appendix A. Change History (Informative)

Type of Change	Date	Section	Description

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