



Enabler Test Report

Data Synchronization v1.2

OMA TestFest (September 2006)
Version 22-Sep-2006

Open Mobile Alliance
OMA-Enabler_Test_Report-DS-12-2006-09-22

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1. Scope

This report describes the results from the testing carried out at OMA TestFest-16 (September 2006) concerning DS version 1.2.

2. References

2.1 Normative References

[OMAIOPPROC]	OMA Interoperability Policy and Process, http://www.openmobilealliance.org/
[DS12EICS]	Data Synchronization version 1.2 Enabler Implementation Conformance Statement (EICS), http://www.openmobilealliance.org/
[ERELD]	OMA Data Synchronization version 1.2 Enabler Release Definition
[DS12_SPEC]	OMA Data Synchronization version 1.2 specifications
[EPTR]	Enabler Product Test Report
[ETP]	Enabler Test Report
[ETS]	Data Synchronization version 1.2 Test Cases OMA-ETS-DataSynchronization-V1_2-20040817-A

2.2 Informative References

[OMADICT]	Dictionary for OMA Specification, OMA-Dictionary http://www.openmobilealliance.org/
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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 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 TestFest-16 (September 2006) for DS v1.2.

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.

Date:	8th to 15th September 2006
Location:	Düsseldorf, Germany
Enabler:	DS v1.2
Process:	OMA Interoperability Policy and Process [OMAIOPPROC]
Type of Testing	Interoperability Testing
Products tested:	Client-to-server
Test Plan:	DS Enabler Test Plan [ETP]
Test Specification:	DS Enabler Test Specification [ETS]
Test Tool:	None
Test Code:	None
Type of Test event:	TestFest
Participants:	Oracle Corporation , Symbian Software Ltd, Synthesis AG, and Teleca
Number of Client Products:	3
Participating Technology Providers for clients:	Symbian Software Ltd, Synthesis AG and Teleca
Number of Server Products:	2
Participating Technology Providers for servers:	Oracle Corporation and Synthesis AG
Number of test sessions completed:	18

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:	Datatype:	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	vCard2.1	5	54	106	6	153	4	1	270
Client to Server TCs	vCard3.0	1	54	21	6	27	0	0	54
Client to Server TCs	vCalendar1.0	5	54	89	6	153	21	1	270
Client to Server TCs	vTodo1.0	1	54	21	6	27	0	0	54
Client to Server TCs	text/plain	2	54	37	6	57	8	0	108
Client to Server TCs	rfc2045	1	54	3	6	27	18	0	54
Client to Server TCs	rfc2822	1	54	3	6	27	18	0	54
Client to Server TCs	rfc822	1	54	3	6	27	18	0	54
Client to Server TCs	Other	1	54	2	6	27	18	0	54
Total		18	54	285	54	525	106	2	972

Table 1. Test Summary Table

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.

Tests for DS Enabler TestFest Taken From OMA-ETS-DataSynchronization-V1_2_0-20040817-A

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DataSynchronization-v1.2-int-001	Client authentication with no credentials	9	9	0	0	0		
DataSynchronization-v1.2-int-002	Client authentication with incorrect credentials	18	18	0	0	0		
DataSynchronization-v1.2-int-003	Server challenge in Basic authentication scheme	18	18	0	0	0		
DataSynchronization-v1.2-int-004	Server challenge in MD5 Digest authentication scheme	5	5	0	0	0		
DataSynchronization-v1.2-int-005	Initial Two-way Sync	14	14	0	0	0		
DataSynchronization-v1.2-int-006	Two-way Sync with Client and Server Add command	14	14	0	0	0		
DataSynchronization-v1.2-int-007	Two-way Sync with Client and Server Replace command	14	14	0	0	0		
DataSynchronization-v1.2-int-008	Two-way Sync with Client and Server Delete command	14	14	0	0	0		
DataSynchronization-v1.2-int-009	Two-way Sync with Client sending new data	14	14	0	0	0		
DataSynchronization-v1.2-int-010	Two-way Sync with deletion of a non-existent target	14	14	0	0	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DataSynchronization-v1.2-int-011	Two-way Sync with Server sending new data	14	14	0	0	0		
DataSynchronization-v1.2-int-012	Two-way Sync with large number of Objects	14	14	0	0	0		
DataSynchronization-v1.2-int-013	Two-way Sync with large number of Objects returned	14	14	0	0	0		
DataSynchronization-v1.2-int-014	Two-way Slow Sync with data	14	14	0	0	0		
DataSynchronization-v1.2-int-015	Two-way Slow Sync to restore client data	14	14	0	0	0		
DataSynchronization-v1.2-int-016	Large Object Handling [Optional]	15	13	0	2	0		
DataSynchronization-v1.2-int-017	Large Object Handling – incorrect size [Optional]	3	1	0	2	0		
DataSynchronization-v1.2-int-018	Large Object Handling – Client sending multiple Large Objects [Optional]	10	8	0	2	0		
DataSynchronization-v1.2-int-019	Server authentication with no credentials [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-020	Server authentication with incorrect credentials [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-021	Client challenge in Basic authentication scheme [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-022	Client challenge in MD5 Digest authentication scheme [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-023	Suspend / Resume - Accept [Optional]	13	3	9	1	0		
DataSynchronization-v1.2-int-024	Suspend / Resume – Server unable to accept Resume request [Optional]	9	8	0	1	0		
DataSynchronization-v1.2-int-025	Suspend / Resume – Client unable to accept Resume request [Optional]	9	8	0	1	0		
DataSynchronization-v1.2-int-026	Suspend / Resume – Client suspends sync repetitively [Optional]	13	1	9	1	2		
DataSynchronization-v1.2-int-027	Suspend / Resume – Client suspends One-way Refresh Sync from Client [Optional]	11	1	9	1	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DataSynchronization-v1.2-int-028	Suspend / Resume – Client suspends One-way Refresh Sync from Server [Optional]	11	1	9	1	0		
DataSynchronization-v1.2-int-029	One-way Sync from server only [Optional]	8	7	0	1	0		
DataSynchronization-v1.2-int-030	One-way Sync from Client only [Optional]	10	9	0	1	0		
DataSynchronization-v1.2-int-031	Refresh Sync from Server only [Optional]	8	7	0	1	0		
DataSynchronization-v1.2-int-032	Refresh Sync from Client only [Optional]	8	7	0	1	0		
DataSynchronization-v1.2-int-033	Server alerted sync – Client accept [Optional]	1	1	0	0	0		
DataSynchronization-v1.2-int-034	Server alerted sync – Client ignore[Optional]	1	1	0	0	0		
DataSynchronization-v1.2-int-035	Object record filtering[Optional]	2	2	0	0	0		
DataSynchronization-v1.2-int-036	Object record filtering – Attempt to update deleted object[Optional]	2	2	0	0	0		
DataSynchronization-v1.2-int-037	Object record filtering – compound filter [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-038	Field Level Filtering [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-039	Field Level Filtering – compound filter[Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-040	Field level changes from the client [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-041	Field level changes from the server [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-042	Field level changes – Multiple Fields Update [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-043	Field level changes – Large Dataset Update [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-044	Hierarchical Synchronization – Add to folder verification [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-045	Hierarchical Synchronization – Add new folder verification [Optional]	0	0	0	0	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DataSynchronization-v1.2-int-046	Hierarchical Synchronization – Delete all items in folder [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-047	Hierarchical Synchronization – Delete folder [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-048	Hierarchical Synchronization – Move item from folder [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-049	Hierarchical Synchronization – Move existing item to new folder [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-050	Multiple DS Session – 1Way Sync Server to Client, Suspend resume, 1Way Sync Client to Server [Optional]	11	1	9	1	0		
DataSynchronization-v1.2-int-051	Multiple DS Session – Record Filter, Suspend Resume [Optional]	9	0	9	0	0		
DataSynchronization-v1.2-int-052	Multiple DS Session – Field Level Filter, Suspend Resume [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-053	Multiple DS Session – Field Level Change, Suspend Resume [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-054	Multiple DS Session – 1Way Sync Server to Client, Field Level Filtering, Field Level Change, record Filter update, 1Way Sync - [Optional]	0	0	0	0	0		

Table 2. Test Case Counts

5.2.3 Problem Reports

During the activities for TestFest-16, the following problem reports were generated relating to the test materials and test process:

No Problems were reported during the Test Fest.

PR Number	Affecting	Description	Test Case reference / Specification reference

Full details of all Problem Reports can be found at:

<http://www.openmobilealliance.org/OMA-Problem-Reporting-System.html>

6. Confirmation

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

A handwritten signature in black ink, appearing to read "Alan P. [unclear]", with a horizontal line extending to the right from the end of the signature.

OMA Trusted Zone

Appendix A. Change History (Informative)

Type of Change	Date	Section	Description
Initial Version	22 nd September 2006	All	First Version for TestFest-16