



Enabler Test Report Data Synchronization V1.2

OMA Test Fest(January 2005)

Version 28-Jan-2005

Open Mobile Alliance
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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 1.2.

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

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

4. Summary

This report gives details of the testing carried out during the OMA Test Fest (January 2005) for enabler Data Synchronization version 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:	January 2005
Location:	Madrid, Spain
Enabler:	Data Synchronization v1.2
Process:	OMA Interoperability Policy and Process [OMAIOPPROC]
Type of Testing	Interoperability Testing
Products tested:	Client-to-Server
Test Plan:	Data Synchronization Version 1.2 Enabler Test Plan [ETP]
Test Specification:	Data Synchronization Enabler Test Specification [ETS]
Test Tool:	SCTS
Test Code:	None
Type of Test event:	Test Fest
Participants:	FusionOne, IBM, Samsung Electronics Co.
Number of Client Products:	2
Participating Technology Providers for clients:	IBM, Samsung Electronics Co.
Number of Server Products:	2
Participating Technology Providers for servers:	FusionOne <i>1 other server participant.</i>
Number of test sessions completed:	4 of 4

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	4	54	70	0	140	0	6	216
Total	4	54	70	0	140	0	6	216

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:
DataSynchronization-v1.2-int-001	Client authentication with no credentials	4	4	0	0	0	-	
DataSynchronization-v1.2-int-002	Client authentication with incorrect credentials	4	4	0	0	0		
DataSynchronization-v1.2-int-003	Server challenge in Basic authentication scheme	4	4	0	0	0		
DataSynchronization-v1.2-int-004	Server challenge in MD5 Digest authentication scheme	4	4	0	0	0		
DataSynchronization-v1.2-int-005	Initial Two-way Sync	4	4	0	0	0		
DataSynchronization-v1.2-int-006	Two-way Sync with Client and Server Add command	4	4	0	0	0		
DataSynchronization-v1.2-int-007	Two-way Sync with Client and Server Replace command	4	4	0	0	0		
DataSynchronization-v1.2-int-008	Two-way Sync with Client and Server Delete command	4	4	0	0	0		
DataSynchronization-v1.2-int-009	Two-way Sync with Client sending new data	4	4	0	0	0		

DataSynchronization-v1.2-int-010	Two-way Sync with deletion of a non-existent target	4	4	0	0	0		
DataSynchronization-v1.2-int-011	Two-way Sync with Server sending new data	4	4	0	0	0		
DataSynchronization-v1.2-int-012	Two-way Sync with large number of Objects	4	4	0	0	0		
DataSynchronization-v1.2-int-013	Two-way Sync with large number of Objects returned	4	4	0	0	0		
DataSynchronization-v1.2-int-014	Two-way Slow Sync with data	4	4	0	0	0		
DataSynchronization-v1.2-int-015	Two-way Slow Sync to restore client data	4	4	0	0	0		
DataSynchronization-v1.2-int-016	Large Object Handling [Optional]	2	2	0	0	0		
DataSynchronization-v1.2-int-017	Large Object Handling – incorrect size [Optional]	2	2	0	0	0		
DataSynchronization-v1.2-int-018	Large Object Handling – Client sending multiple Large Objects [Optional]	2	2	0	0	0		
DataSynchronization-v1.2-int-019	Server authentication with no credentials [Optional]	0	0	0	0	0	0018	
DataSynchronization-v1.2-int-020	Server authentication with incorrect credentials [Optional]	0	0	0	0	0	0018	
DataSynchronization-v1.2-int-021	Client challenge in Basic authentication scheme [Optional]	0	0	0	0	0	0018	
DataSynchronization-v1.2-int-022	Client challenge in MD5 Digest authentication scheme [Optional]	0	0	0	0	0	0018	
DataSynchronization-v1.2-int-023	Suspend / Resume - Accept [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-024	Suspend / Resume – Server unable to accept Resume request [Optional]	0	0	0	0	0		

DataSynchronization-v1.2-int-025	Suspend / Resume – Client unable to accept Resume request [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-026	Suspend / Resume – Client suspends sync repetitively [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-027	Suspend / Resume – Client suspends One-way Refresh Sync from Client [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-028	Suspend / Resume – Client suspends One-way Refresh Sync from Server [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-029	One-way Sync from server only [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-030	One-way Sync from Client only [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-031	Refresh Sync from Server only [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-032	Refresh Sync from Client only [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-033	Server alerted sync – Client accept [Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-034	Server alerted sync – Client ignore[Optional]	0	0	0	0	0		
DataSynchronization-v1.2-int-035	Object record filtering[Optional]	2	1	0	0	1		
DataSynchronization-v1.2-int-036	Object record filtering – Attempt to update deleted object[Optional]	2	1	0	0	1		
DataSynchronization-v1.2-int-037	Object record filtering – compound filter [Optional]	2	2	0	0	0		
DataSynchronization-v1.2-int-038	Field Level Filtering [Optional]	2	0	0	0	2	0015	
DataSynchronization-v1.2-int-039	Field Level Filtering – compound filter[Optional]	2	0	0	0	2	0015	

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		
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]	0	0	0	0	0		
DataSynchronization-v1.2-int-051	Multiple DS Session – Record Filter, Suspend Resume [Optional]	0	0	0	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		
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5.2.3 Problem Reports

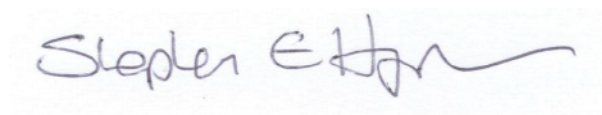
During the activities for TestFest-8, the following problem reports were generated relating to the test materials and test process:

PR Number	Affecting	Description	Test Case reference / Specification reference
0001	EICS	Editorial Errors in Client Ds v1.2 EICS Document	Client EICS
0002	EICS	Editorial Errors in Client Ds v1.2 EICS Document	Client EICS
0003	EICS	Editorial Errors in Client Ds v1.2 EICS Document	Client EICS
0004	EICS	Editorial Errors in Client Ds v1.2 EICS Document	Client EICS
0005	EICS	Editorial Errors in Client Ds v1.2 EICS Document	Client EICS
0007	EICS	Editorial Errors in Client Ds v1.2 EICS Document	Client EICS
0011	Specification	Specification does not clearly define how to handle the case where Meta information is present in both a Command and one of its Items	DataSynchronization-v1.2-int-016
0012	EICS	Editorial Errors in SERVER DS v1.2 EICS Document	Server EICS
0013	EICS	Clarification for SCR item SCR-DS-CONTENT-S-002	Server EICS
0015	Specification	Impossible to encode/decode Field level filters	DataSynchronization-v1.2-int-038 DataSynchronization-v1.2-int-039
0017	SCTS	SyncML 1.2 SCTS version 1.0 problems	0101
0018	Specification	Sync Server authentication to Client message flow	DataSynchronization-v1.2-int-019

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 purple ink, appearing to read "Stephen Higgins", with a stylized flourish at the end.

Stephen Higgins – Device Management Trusted Zone

Appendix A. Change History (Informative)

Type of Change	Date	Section	Description