



Enabler Test Report Data Synchronization V1.1.2

OMA Test Fest (March 2004)

Version 23-Mar-2004

Open Mobile Alliance
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1. Scope

This report describes the results from the testing carried out at OMA Test Fest(March 2004) concerning the Data Synchronization enabler version 1.1.2.

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

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 Test Fest (March 2004) 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].

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:	March 2004
Location:	Bellevue, USA
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:	Mobile Leader, Samsung, SonyEricsson, Smartner, Symbian <i>4 other vendors</i>
Number of Client Products:	11
Participating Technology Providers for clients:	Mobile Leader, Samsung, SonyEricsson, Symbian <i>7 other clients</i>
Number of Server Products:	4
Participating Technology Providers for servers:	Mobile Leader, Smartner <i>2 other servers</i>
Number of test sessions completed:	43

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.

Data Types:	Total number of TCs:	Number of test session:	Number of Passed:	Number of Failed:	Number of N/A:	Number of OT:	Number of INC:
Client to Server TCs	13	43	650	0	39	64	0
Total	13	43	650	0	39	64	0

This breaks down by Data Type synchronized as follows:

Data Types:	Total number of TCs:	Number of test session:	Number of Passed:	Number of Failed:	Number of N/A:	Number of OT:	Number of INC:
vCard 2.1	13	43	455	0	32	36	0
vCard 3.0	13	3	36	0	3	0	0
vCalendar 1.0	13	29	130	0	4	28	0
iCalendar 2.0	13	0	0	0	0	0	0
vTodo 1.0	13	7	29	0	0	0	0
Total	13	43	650	0	39	64	0

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 specific test case has been successfully passed.
- **No. of failed(F):** Used to indicate how many times the the specific test case has failed.
- **No. of OT(O):** 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.
- **No. of INC(I):** 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.
- **PR:** Used to indicate if any PRs (Problem Reports) have been issued during testing.

If the specific implementation due to e.g. no support for an optional feature has not run a specific test case the test case should be marked with N/A in the “No. of runs” column.

5.2.2.1 All Data Types

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DS-v1.1.2-int-001	Initial Two-way Sync	83	77	0	6	0	-	
DS-v1.1.2-int-002	Two-way Sync with Client and Server Add command	83	77	0	6	0		
DS-v1.1.2-int-003	Two-way Sync with Client and Server Replace command	83	76	0	7	0		
DS-v1.1.2-int-004	Two-way Sync with Client and Server Delete command	83	76	0	7	0		
DS-v1.1.2-int-005	Two-way Sync with Client sending new data	49	45	0	4	0		
DS-v1.1.2-int-006	Two-way Sync with Server sending new data	47	43	0	4	0		
DS-v1.1.2-int-007	Two-way Sync with Large number of Objects	47	42	0	5	0		
DS-v1.1.2-int-008	Two-way Sync with Large number of Objects Returned	47	42	0	5	0		
DS-v1.1.2-int-009	Two-way Sync with Server not responding	47	42	0	5	0		
DS-v1.1.2-int-010	Two-way Sync with incomplete communication	46	41	0	5	0		
DS-v1.1.2-int-011	Two-way Slow Sync with data	46	41	0	5	0		
DS-v1.1.2-int-012	Two-way Slow Sync to restore client data	46	41	0	5	0		
DS-v1.1.2-int-013	Two-way Sync with Large Object Handling	7	7	0	0	0		

5.2.2.2 vCard 1.0

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DS-v1.1.2-int-001	Initial Two-way Sync	43	38	0	5	0	-	
DS-v1.1.2-int-002	Two-way Sync with Client and Server Add command	43	38	0	5	0		
DS-v1.1.2-int-003	Two-way Sync with Client and Server Replace command	43	38	0	5	0		
DS-v1.1.2-int-004	Two-way Sync with Client and Server Delete command	43	38	0	5	0		
DS-v1.1.2-int-005	Two-way Sync with Client sending new data	39	37	0	2	0		
DS-v1.1.2-int-006	Two-way Sync with Server sending new data	39	37	0	2	0		
DS-v1.1.2-int-007	Two-way Sync with Large number of Objects	39	37	0	2	0		
DS-v1.1.2-int-008	Two-way Sync with Large number of Objects Returned	39	37	0	2	0		
DS-v1.1.2-int-009	Two-way Sync with Server not responding	39	37	0	2	0		
DS-v1.1.2-int-010	Two-way Sync with incomplete communication	39	37	0	2	0		
DS-v1.1.2-int-011	Two-way Slow Sync with data	39	37	0	2	0		
DS-v1.1.2-int-012	Two-way Slow Sync to restore client data	39	37	0	2	0		
DS-v1.1.2-int-013	Two-way Sync with Large Object Handling	7	7	0	0	0		

5.2.2.3 vCard 3.0

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DS-v1.1.2-int-001	Initial Two-way Sync	3	3	0	0	0		
DS-v1.1.2-int-002	Two-way Sync with Client and Server Add command	3	3	0	0	0		
DS-v1.1.2-int-003	Two-way Sync with Client and Server Replace command	3	3	0	0	0		
DS-v1.1.2-int-004	Two-way Sync with Client and Server Delete command	3	3	0	0	0		
DS-v1.1.2-int-005	Two-way Sync with Client sending new data	3	3	0	0	0		
DS-v1.1.2-int-006	Two-way Sync with Server sending new data	3	3	0	0	0		
DS-v1.1.2-int-007	Two-way Sync with Large number of Objects	3	3	0	0	0		
DS-v1.1.2-int-008	Two-way Sync with Large number of Objects Returned	3	3	0	0	0		
DS-v1.1.2-int-009	Two-way Sync with Server not responding	3	3	0	0	0		
DS-v1.1.2-int-010	Two-way Sync with incomplete communication	3	3	0	0	0		
DS-v1.1.2-int-011	Two-way Slow Sync with data	3	3	0	0	0		
DS-v1.1.2-int-012	Two-way Slow Sync to restore client data	3	3	0	0	0		
DS-v1.1.2-int-013	Two-way Sync with Large Object Handling	0	0	0	0	0		

5.2.2.4 vCalendar 1.0

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DS-v1.1.2-int-001	Initial Two-way Sync	30	29	0	1	0	-	
DS-v1.1.2-int-002	Two-way Sync with Client and Server Add command	30	29	0	1	0		
DS-v1.1.2-int-003	Two-way Sync with Client and Server Replace command	30	28	0	2	0		
DS-v1.1.2-int-004	Two-way Sync with Client and Server Delete command	30	28	0	2	0		
DS-v1.1.2-int-005	Two-way Sync with Client sending new data	6	4	0	2	0		
DS-v1.1.2-int-006	Two-way Sync with Server sending new data	5	3	0	2	0		
DS-v1.1.2-int-007	Two-way Sync with Large number of Objects	5	2	0	3	0		
DS-v1.1.2-int-008	Two-way Sync with Large number of Objects Returned	5	2	0	3	0		
DS-v1.1.2-int-009	Two-way Sync with Server not responding	5	2	0	3	0		
DS-v1.1.2-int-010	Two-way Sync with incomplete communication	4	1	0	3	0		
DS-v1.1.2-int-011	Two-way Slow Sync with data	4	1	0	3	0		
DS-v1.1.2-int-012	Two-way Slow Sync to restore client data	4	1	0	3	0		
DS-v1.1.2-int-013	Two-way Sync with Large Object Handling	0	0	0	0	0		

5.2.2.5 vTodo 1.0

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
DS-v1.1.2-int-001	Initial Two-way Sync	7	7	0	0	0	-	
DS-v1.1.2-int-002	Two-way Sync with Client and Server Add command	7	7	0	0	0		
DS-v1.1.2-int-003	Two-way Sync with Client and Server Replace command	7	7	0	0	0		
DS-v1.1.2-int-004	Two-way Sync with Client and Server Delete command	7	7	0	0	0		
DS-v1.1.2-int-005	Two-way Sync with Client sending new data	1	1	0	0	0		
DS-v1.1.2-int-006	Two-way Sync with Server sending new data	0	0	0	0	0		
DS-v1.1.2-int-007	Two-way Sync with Large number of Objects	0	0	0	0	0		
DS-v1.1.2-int-008	Two-way Sync with Large number of Objects Returned	0	0	0	0	0		
DS-v1.1.2-int-009	Two-way Sync with Server not responding	0	0	0	0	0		
DS-v1.1.2-int-010	Two-way Sync with incomplete communication	0	0	0	0	0		
DS-v1.1.2-int-011	Two-way Slow Sync with data	0	0	0	0	0		
DS-v1.1.2-int-012	Two-way Slow Sync to restore client data	0	0	0	0	0		
DS-v1.1.2-int-013	Two-way Sync with Large Object Handling	0	0	0	0	0		

5.2.3 Observations

The following issues were captured by the Trusted Zone during the OMA Test Fest.

Observation: 001	
Test Case(s):	-
Verdict:	-
SCR items / ICS:	-
Comment:	The test cases in the Test Session Report are incorrectly numbered/labelled.
Recommendation:	Update the Test Session Reports for the next Test Fest.

Observation: 002	
Test Case(s):	-
Verdict:	-
SCR items / ICS:	-
Comment:	There still remains confusion about the vTodo 1.0 object. Many of the participants believe that this to be a subset of the vCalendar data type.
Recommendation:	The testing guidelines should be updated to provide on-site testers with an overview to what should be tested for the vTodo data type during the Test Fest.

6. Confirmation

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

Stephen Higgins - DSDM Trusted Zone

Appendix A. Change History (Informative)

Type of Change	Date	Section	Description