Enabler Test Report

Instant Messaging and Presence Service v1.3

OMA TestFest (December 2006)
Version 14-Dec-2006

Open Mobile Alliance
OMA-Enabler_Test_Report-IMPS-13-2006-12-14

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Contents

1. Scope

This report describes the results from the testing carried out at OMA TestFest-17 (Decemeber 2006) concerning the Instant Messaging and Presence Service version 1.3 Enabler.

2. References

2.1   Normative References

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

[IMPSEICS]   IMPS version 1.3 Enabler Implementation Conformance Statement (EICS),
                       http://www.openmobilealliance.org/

[ERELD]   OMA IMPS 1.3 Enabler Release Definition

[IMPS_SPEC]   OMA IMPS 1.3 specifications

[ETG]   Enabler Test Guidelines OMA-ETG-IMPS-V1_3-20060403-D

[ETS]   Enabler Test Specification OMA-ETS-IMPS_CSP_INT-V1_3-20060530-C
                       http://www.openmobilealliance.org/

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

EICS	Enabler Implementation Conformance Statement
ETG	Enabler Test Guidelines
ETS	Enabler Test Specification
IMPS	Instant Messaging Presence Service
OMA	Open Mobile Alliance
PR	Problem Report

4. Summary

This report gives details of the testing carried out during the OMA TestFest-17 (December 2006) for Instant Messaging and Presence Service (IMPS) v1.3.

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:	1st to 8th December 2006
Location:	Montreal, Canada
Enabler:	Instant Messaging and Presence Service v1.3
Process:	OMA Interoperability Policy and Process [OMAIOPPROC]
Type of Testing	Interoperability Testing
Products tested:	Client-to-Server, Clients-to-Server
Test Guidelines:	IMPS 1.3 Enabler Test Guidelines - OMA-ETG-IMPS-V1_3-20060403-D [ETG]
Test Specification:	IMPS Enabler Test Specification - OMA-ETS-IMPS_CSP_INT-V1_3-20060530-C [ETS]
Test Tool:	None
Test Code:	None
Type of Test event:	TestFest
Participants:	Colibria AS, Motorola, OZ Communications Inc., *and three other participants*
Number of Client Products:	5
Participating Technology Providers for clients:	Colibria AS, Motorola, *and three other Clients*
Number of Server Products:	2
Participating Technology Providers for servers:	Colibria AS, OZ Communications Inc.
Number of test sessions completed:	26

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:

- **Number of test sessions**: Used in the summary to indicate the total number of time slots used for the official testing.

- **Total number of TCs:** Used in the summary to indicate how many test cases there are in total (total number of the interoperability test cases in the ETS).

- **Number of Passed:** Used in the summary to indicate how many test cases have been run and successfully passed.

- **Number of Failed**: Used in the summary to indicate how many test cases have been run and failed (used when the failure reason is known).

- **Number of INC**: Used in the summary to indicate how many test cases have been run and did not pass due to other nature than conclusive implementation or specification failure (e.g.: the failure reason cannot be clearly determined).

- **Number of N/A:** Used in the summary to indicate how many test cases have not be run due to lack of support for the required functionality to run this test case by one or more involved implementations.

- **Number of OT:** Used in the summary to indicate how many test cases have not been run due to lack of time.

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	26	41	576	7	475	6	2	1066
Clients (2 or more) to Server TCs	26	58	336	0	1171	0	1	1508
Total	**26**	**99**	**912**	**7**	**1646**	**6**	**3**	**2574**

Table 1. Test Summary Table

5.2.2   Test Case List

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

The following status is used in the tables below:

- **Runs (R)**: Used to indicate the total number of times the test case have been run (R = P + F + I).

- **Pass (P):** Used to indicate how many times the test case have been run and successfully passed.

- **Fail (F):** Used to indicate how many times the test cases have been run and failed (used when the failure reason is known).

- **Inconclusive (I)**: Used to indicate how many times the test cases have been run and did not pass due to other nature than conclusive implementation or specification failure (e.g.: the failure reason cannot be clearly determined).

- **Not Applicable (N/A):** Used to indicate how many times the test cases have not be run due to lack of support for the required functionality to run this test case by one or more involved implementations.

- **Out of Time (O):** Used to indicate how many times the test cases have not been run due to lack of time.

- **Problem Report (PR):** Used to indicate how many PRs have been issued for the test case.

- **Note:** Used to indicate the cause of the Inconclusive or Failed results.

Tests for Instant Messaging and Presence Service TestFest Taken from
OMA-ETS-IMPS_CSP_INT-V1_3-20060530-C.doc

Test Case id:	Description:	Test Counts						PR:	Note:
		R	**P**	**F**	**O**	**I**	**N/A**		
IMPS-1.3-int-SAP-001	Verify the Login functionality (2-way, correct password)	26	26	0	0	0	0		
IMPS-1.3-int-SAP-002	Verify the Login functionality (4-way, correct password)	26	26	0	0	0	0		
IMPS-1.3-int-SAP-003	Verify the client-initiated logout	26	26	0	0	0	0		
IMPS-1.3-int-SAP-004	Verify server initiates disconnects	21	21	0	0	0	5		
IMPS-1.3-int-SAP-005	Verify the Login functionality in the case of a User ID that does not identify a user account on the server.	26	26	0	0	0	0		
IMPS-1.3-int-SAP-006	Verify Client and Server ability to recognize local UserID addresses	26	26	0	0	0	0		
IMPS-1.3-int-SAP-007	Verify the Login functionality with a fully qualified UserID	26	26	0	0	0	0		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
IMPS-1.3-int-SAP-008	Verify the Login functionality (2-way, incorrect password)	26	26	0	0	0	0		
IMPS-1.3-int-SAP-009	Verify the Login functionality (4-way, incorrect password)	26	26	0	0	0	0		
IMPS-1.3-int-SAP-010	Verify the unsuccessful Login functionality in case of multiple logins of the same user	13	9	4	0	0	13		
IMPS-1.3-int-SAP-011	Verify the (successful) Login functionality in case of multiple logins of the same user	12	12	0	0	0	14		
IMPS-1.3-int-SAP-012	Verify the Login functionality in case of incorrect domain in Fully Qualified user addressing.	26	26	0	0	0	0		
IMPS-1.3-int-SAP-013	Verify the Auto Registration	11	11	0	0	0	15		
IMPS-1.3-int-SAP-014	Search fails due to unfilled mandatory fields in Public Profile of requesting user	6	6	0	0	0	20		
IMPS-1.3-int-SAP-015	User Search failure due to Age restrictions in place in Service Provider domain.	6	6	0	0	0	20		
IMPS-1.3-int-SAP-016	Successful User Search including Advanced search criteria on Public and Private Profile.	6	3	3	0	0	20		
IMPS-1.3-int-SAP-017	Verify the Update of Public Profile	9	9	0	0	0	17		
IMPS-1.3-int-SAP-018	Verify a partially unsuccessful request of retrieving the Public Profile of other users, when some (but not all) of the requested Users have some unfilled mandatory fields in their Public Profile.	6	6	0	0	0	20		
IMPS-1.3-int-SAP-019	Verify unsuccessful User request of Updating his/her own Public Profile because of missing mandatory field(s) in own Public Profile.	9	9	0	0	0	17		
IMPS-1.3-int-SAP-020	Verify successful Clearing of own Public Profile.	9	9	0	0	0	17		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	**P**	**F**	**O**	**I**	**N/A**		
IMPS-1.3-int-SAP-021	Successful continuation of Search	3	3	0	0	0	23		
IMPS-1.3-int-SAP-022	Successful stopping of Search	3	3	0	0	0	23		
IMPS-1.3-int-SAP-023	Successful Public Group Search with Age Restriction	3	3	0	0	0	23		
IMPS-1.3-int-SAP-024	Verify System Message functionality (answer options, no verification mechanism)	21	19	0	0	2	5		
IMPS-1.3-int-SAP-025	Verify System Message functionality (No answer options, InText verification mechanism)	21	21	0	0	0	5		
IMPS-1.3-int-SAP-026	Verify that the server and client support Session re-establishment	0	0	0	0	0	26		
IMPS-1.3-int-SAP-027	Verify the Auto Registration when the user chooses his/her UserID	11	11	0	0	0	15		
IMPS-1.3-int-PRSE-001	Verify that the server supports Subscribe Presence functionality and client supports presence notifications	26	26	0	0	0	0	0005	
IMPS-1.3-int-PRSE-002	Verify that when client unsubscribes presence, the server stops delivering presence updates	21	21	0	0	0	5		
IMPS-1.3-int-PRSE-003	Verify that the server sends presence update containing OnlineStatus presence attribute to subscriber when publisher logs in and logs out.	26	26	0	0	0	0		
IMPS-1.3-int-PRSE-004	Verifying the interoperability of StatusMood presence attribute	25	25	0	0	0	1		
IMPS-1.3-int-PRSE-005	Verifying the interoperability of StatusMood presence attribute	15	15	0	0	0	11		
IMPS-1.3-int-PRSE-006	Verifying the interoperability of PreferredLanguage presence attribute.	2	2	0	0	0	24		
IMPS-1.3-int-PRSE-007	Verifying the interoperability of GeoLocation presence attribute.	1	1	0	0	0	25		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
IMPS-1.3-int-PRSE-008	Verify that the server supports Subscribe Presence functionality for all contacts in contact list	26	26	0	0	0	0		
IMPS-1.3-int-PRSE-009	Verify Add to Contact List functionality	26	26	0	0	0	0		
IMPS-1.3-int-PRSE-010	Verify Add to Contact list functionality for a non-existing user.	26	26	0	0	0	0		
IMPS-1.3-int-PRSE-011	Verify Delete from Contact List functionality	26	26	0	0	0	0		
IMPS-1.3-int-PRSE-012	Verify Change Nickname functionality	20	20	0	0	0	6		
IMPS-1.3-int-PRSE-013	Verify Create Contact List functionality	26	26	0	0	0	0		
IMPS-1.3-int-PRSE-014	Verify Delete Contact List functionality	26	26	0	0	0	0		
IMPS-1.3-int-PRSE-015	Verify that the server and client support Get Watcher List functionality	6	6	0	0	0	20		
IMPS-1.3-int-PRSE-016	Reactive presence authorization to proactive presence authorization (individual authorization)	0	0	0	0	0	26		
IMPS-1.3-int-PRSE-017	Reactive presence authorization to proactive presence authorization (list authorization)	0	0	0	0	0	26		
IMPS-1.3-int-PRSE-018	Verify auto-subscribe functionality when adding a user to a Contact List.	19	19	0	0	0	7		
IMPS-1.3-int-PRSE-019	Verify Client is unable to access another users Contact List (denied by the Server)	19	19	0	0	0	7		
IMPS-1.3-int-PRSE-020	Verify Publishing Default Attribute List functionality (Proactive Presence Case)	14	14	0	0	0	12		
IMPS-1.3-int-PRSE-021	Verify General Notification Mechanism (on Contact-List-Created event and in the case of multiple concurrent sessions of the same User)	9	9	0	0	0	17		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
IMPS-1.3-int-IMSE-001	Verify that a message sent by one client is delivered to the other client	26	26	0	0	0	0		
IMPS-1.3-int-IMSE-002	Verify that a message sent by one client to another client that is logged out is delivered to that client when it logs on	25	25	0	0	0	1		
IMPS-1.3-int-IMSE-003	Successful Offline IM.	0	0	0	0	0	26		
IMPS-1.3-int-IMSE-004	This test confirms that a client is able to reject messages	3	3	0	0	0	23		
IMPS-1.3-int-IMSE-005	This test confirms that a client is able to forward unretrieved messages to other users	0	0	0	0	0	26		
IMPS-1.3-int-IMSE-006	This test is to confirm that if the Delivery Report is requested then the sender will receive a Delivery Report when the message is delivered to the recipient	5	5	0	0	0	21		
IMPS-1.3-int-IMSE-007	This test confirms that if the Delivery Report is requested then the sender receives a Delivery Report with appropriate error code in case of the delivery failure	1	1	0	0	0	25		
IMPS-1.3-int-IMSE-008	This test confirms that client and server are able to block delivery of messages	14	14	0	0	0	12		
IMPS-1.3-int-IMSE-009	This test confirms that a client is able to unblock delivery of messages	14	14	0	0	0	12		
IMPS-1.3-int-IMSE-010	Verify that a message (including "tricky" characters) sent by one client is delivered to the other client	26	26	0	0	0	0		
IMPS-1.3-int-IMSE-011	Verify message validity period functionality and failed delivery	0	0	0	0	0	26		
IMPS-1.3-int-IMSE-012	Verify message failed delivery notification	0	0	0	0	0	26		
IMPS-1.3-int-IMSE-013	Successful sending of formatted textual IM	0	0	0	0	0	26		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
IMPS-1.3-int-IMSE-014	Successful sending of original name of multimedia message in IM	0	0	0	0	0	26		
IMPS-1.3-int-IMSE-015	Verify General Notification Mechanism (Block-List-Changed)	1	1	0	0	0	25		
IMPS-1.3-int-IMSE-016	Verify Client and Server end-to-end messaging using ContactList-ID Recipient.	7	7	0	0	0	19		
IMPS-1.3-int-GRSE-001	Verify the Join Group functionality (not authorised to join group)	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-002	Verify the Leave Group functionality	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-003	Verify sending message to group (either Private or Public)	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-004	Verify sending PRIVATE message to a member of a group (either Private or Public)	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-005	Verify the Join Group functionality for public group	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-006	Verify Create Group Functionality	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-007	Verify the Welcome Note functionality	1	0	0	0	1	25		
IMPS-1.3-int-GRSE-008	Verify the Join Group functionality (non-existing group)	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-009	Verify the Group Change Notice Functionality	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-010	Verify the Delete Group feature	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-011	Verify the Group Invitations feature when not blocked.	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-012	Verify the Private Group functionality when not blocked – Invitations, Create, Join, Leave, -Accept	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-013	Verify the Group Invitations feature – Reject	0	0	0	0	0	26		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
IMPS-1.3-int-GRSE-014	Verify the Group Search functionality	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-015	Verify the Get Joined Users feature	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-016	Verify the Server Initiated Leave Group functionality	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-017	Verify the Group AutoJoin functionality (Private Group)	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-018	Verify the Group AutoJoin does not take place when client does not support Group functionality (Public Group)	0	0	0	0	0	26		
IMPS-1.2-int-GRSE-019	Verify group Max Active Users functionality.	3	3	0	0	0	23		
IMPS-1.3-int-GRSE-020	Verify the successful retrieval of the conversation history of an existing group.	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-021	Extension of one to one IM conversation (accepted)	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-022	Extension of one to one IM conversation (denied)	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-023	Extension of one to one IM conversation (not supported)	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-024	Extension of one to one IM conversation (group change notice functionality)	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-025	Extension of one to one IM conversation (group change notice not supported)	0	0	0	0	0	26		
IMPS-1.3-int-COSE-001	Verify sending of invitation to Shared Content when not blocked	0	0	0	0	0	26		
IMPS-1.3-int-COSE-002	Verify receiving and accepting of invitation to Shared Content when not blocked.	0	0	0	0	0	26		
IMPS-1.3-int-COSE-003	Verify sending of cancel invitation to Shared Content.	0	0	0	0	0	26		
IMPS-1.3-int-COSE-004	Verify receiving of cancel invitation to Shared Content.	0	0	0	0	0	26		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
IMPS-1.3-int-CIR-001	Testing Communication Initiation Request (CIR) using WAP Push over SMS	0	0	0	3	0	23		
IMPS-1.3-int-CIR-002	Testing Communication Initiation Request (CIR) using WAP Push over UDP	0	0	0	3	0	23		
IMPS-1.3-int-CIR-003	Testing Communication Initiation Request (CIR) over Standalone SMS	0	0	0	0	0	26		
IMPS-1.3-int-CIR-004	Testing Communication Initiation Request (CIR) over Standalone UDP/IP	0	0	0	0	0	26		
IMPS-1.3-int-CIR-005	Testing Communication Initiation Request (CIR) over Standalone TCP/IP	9	9	0	0	0	17		
IMPS-1.3-int-CIR-006	Testing Communication Initiation Request (CIR) over Standalone HTTP	0	0	0	0	0	26		

Table 2. Test Case Counts

5.3   Problem Reports

During the activities for TestFest-17, the following problem reports were generated relating to the test materials and test process:

PR Number	Affecting	Description	Test Case reference / Specification reference
0005	Specification	The usage of the local/global addressing is not properly specified	OMA-ETS-IMPS_CSP_INT-V1_3-20060530-C (IMPS-1.3-int-PRSE-001)/OMA-TS-IMPS-CSP-V1_3-20051011-C

Full details of the 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.

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OMA Trusted Zone

Appendix A.   Change History   (Informative)

Type of Change	Date	Section	Description
New Release	14ᵗʰ December 2006	All	New Version from TestFest-17
Initial Draft Release	8ᵗʰ December 2006	All	First Version from TestFest-17