



# **Enabler Test Report**

## **Instant Messaging and Presence Service v1.3**

OMA TestFest (February/March 2007)  
Version 09-Mar-2007

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Open Mobile Alliance  
OMA-Enabler\_Test\_Report-IMPS-V1\_3-20070309

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# 1. Scope

This report describes the results from the testing carried out at OMA TestFest-18 (February/March 2007) concerning the Instant Messaging and Presence Service Version 1.3 Enabler.

## 2. References

### 2.1 Normative References

- [IOPPROC] “OMA Interoperability Policy and Process”, Version 1.3, Open Mobile Alliance™, OMA-ORG-IOP\_Process-V1\_3, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, [URL:http://www.ietf.org/rfc/rfc2119.txt](http://www.ietf.org/rfc/rfc2119.txt)
- [ERELD] Enabler Release Definition, OMA-ERELD-IMPS-V1\_3-20060606-C, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [IMPS\_SPEC] Enabler Release Package, OMA-ERP-IMPS-V1\_3-20060606-C, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [ETS] Enabler Test Specification OMA-ETS-IMPS\_CSP\_INT-V1\_3-20060530-C, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [ETG] Enabler Test Guidelines OMA-ETG-IMPS-V1\_3-20060403-D; [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [IMPS\_EICS] IMPS version 1.3 Enabler Implementation Conformance Statement (EICS), <http://www.openmobilealliance.org/>

### 2.2 Informative References

## 3. Terminology and Conventions

### 3.1 Conventions

This is an informative document which is not intended to provide testable requirements to implementations, i.e. the document does not intend to contain normative statements.

### 3.2 Definitions

TestFest	Multi-lateral interoperability testing event
Trusted Zone	An OMA staff function to provide a neutral confidential information and results collection service to OMA Members. The Trusted Zone is responsible for all reports resulting from an OMA Test Event and to ensure that all general reports cannot attributed to any one individual participating company

### 3.3 Abbreviations

EICS	Enabler Implementation Conformance Statement
ERELED	Enabler Release Definition
ERP	Enabler Release Package
ETG	Enabler Test Guidelines
ETS	Enabler Test Specification
IMPS	Instant Messaging Presence Service
INC	Inconclusive
N/A	Not Applicable
OMA	Open Mobile Alliance
OT	Out of Time
PR	Problem Report
TC	Test Case

## 4. Summary

This report gives details of the testing carried out during the OMA TestFest-18 (February/March 2007) 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 [IOPPROC].

## 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.

<b>Date:</b>	26 <sup>th</sup> February to 2 <sup>nd</sup> March 2007
<b>Location:</b>	Helsinki, Finland
<b>Enabler:</b>	Instant Messaging and Presence Service (IMPS) v1.3
<b>Process:</b>	OMA Interoperability Policy and Process [IOPPROC]
<b>Type of Testing</b>	Interoperability Testing
<b>Products tested:</b>	Client-to-Server, Client-to-Server-to-Client
<b>Test Guidelines:</b>	IMPS 1.3 Enabler Test Guidelines - OMA-ETG-IMPS-V1_3-20060403-D [ETG]
<b>Test Specification:</b>	IMPS Enabler Test Specification - OMA-ETS-IMPS_CSP_INT-V1_3-20060530-C [ETS]
<b>Test Tool:</b>	None
<b>Test Code:</b>	None
<b>Type of Test event:</b>	TestFest
<b>Participants:</b>	Colibria AS, OZ Communications, Nokia, Samsung Electronics, Webmessenger(x2) <i>plus 2 other companies</i>
<b>Number of Client Implementations:</b>	5
<b>Participating Technology Providers for clients:</b>	Nokia, Samsung Electronics, Webmessenger <i>plus 2 other clients</i>
<b>Implementation IDs for each client:</b>	Nokia IMPS 1.3 Client, Samsung IMPS Client, Sony Ericsson IMPS Client, Webmessenger IMPS J2ME Client
<b>Number of Server Implementations:</b>	3
<b>Participating Technology Providers for servers:</b>	Colibria AS, OZ Communications, Webmessenger
<b>Implementation IDs for each server:</b>	Colibria Elevate IMPS Server, OZ IMPS Server, Webmessenger Mobile Platform IMPS Server
<b>Number of test sessions completed:</b>	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:

- 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.

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	36	496	12	416	11	1	936
Clients (2 or more) to Server TCs	26	63	324	34	1211	33	36	1638
<b>Total</b>	<b>26</b>	<b>99</b>	<b>820</b>	<b>46</b>	<b>1627</b>	<b>44</b>	<b>37</b>	<b>2574</b>

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)	20	20	0	0	0	6		
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	26	26	0	0	0	0		
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)	20	20	0	0	0	6		
IMPS-1.3-int-SAP-010	Verify the unsuccessful Login functionality in case of multiple logins of the same user	13	13	0	0	0	13		
IMPS-1.3-int-SAP-011	Verify the (successful) Login functionality in case of multiple logins of the same user	18	18	0	0	0	8		
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	16	13	3	0	0	10		
IMPS-1.3-int-SAP-014	Search fails due to unfilled mandatory fields in Public Profile of requesting user	7	7	0	0	0	19		
IMPS-1.3-int-SAP-015	User Search failure due to Age restrictions in place in Service Provider domain.	7	7	0	0	0	19		
IMPS-1.3-int-SAP-016	Successful User Search including Advanced search criteria on Public and Private Profile.	3	3	0	0	0	23		
IMPS-1.3-int-SAP-017	Verify the Update of Public Profile	18	18	0	0	0	8		
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.	15	15	0	0	0	11		
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.	16	16	0	0	0	10		
IMPS-1.3-int-SAP-020	Verify successful Clearing of own Public Profile.	18	18	0	0	0	8		

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	7	5	2	0	0	19		
IMPS-1.3-int-SAP-022	Successful stopping of Search	5	3	2	2	0	19		
IMPS-1.3-int-SAP-023	Successful Public Group Search with Age Restriction	7	7	0	0	0	19		
IMPS-1.3-int-SAP-024	Verify System Message functionality (answer options, no verification mechanism)	18	17	0	3	1	5		
IMPS-1.3-int-SAP-025	Verify System Message functionality (No answer options, InText verification mechanism)	18	15	3	3	0	5		
IMPS-1.3-int-SAP-026	Verify that the server and client support Session re-establishment	3	3	0	3	0	20		
IMPS-1.3-int-SAP-027	Verify the Auto Registration when the user chooses his/her UserID	8	6	2	0	0	18		
IMPS-1.3-int-PRSE-001	Verify that the server supports Subscribe Presence functionality and client supports presence notifications	23	20	2	3	1	0		
IMPS-1.3-int-PRSE-002	Verify that when client unsubscribes presence, the server stops delivering presence updates	21	21	0	5	0	0		
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.	23	19	3	3	1	0		
IMPS-1.3-int-PRSE-004	Verifying the interoperability of StatusMood presence attribute	4	4	0	1	0	21		
IMPS-1.3-int-PRSE-005	Verifying the interoperability of StatusMood presence attribute	20	17	3	3	0	3		
IMPS-1.3-int-PRSE-006	Verifying the interoperability of PreferredLanguage presence attribute.	1	1	0	0	0	25		
IMPS-1.3-int-PRSE-007	Verifying the interoperability of GeoLocation presence attribute.	0	0	0	0	0	26		

Test Case id:	Description:	Test Counts						PR:	Note:
		R	P	F	O	I	N/A		
<b>IMPS-1.3-int-PRSE-008</b>	Verify that the server supports Subscribe Presence functionality for all contacts in contact list	10	8	2	1	0	15		
<b>IMPS-1.3-int-PRSE-009</b>	Verify Add to Contact List functionality	12	12	0	0	0	14		
<b>IMPS-1.3-int-PRSE-010</b>	Verify Add to Contact list functionality for a non-existing user.	12	12	0	0	0	14		
<b>IMPS-1.3-int-PRSE-011</b>	Verify Delete from Contact List functionality	12	12	0	0	0	14		
<b>IMPS-1.3-int-PRSE-012</b>	Verify Change Nickname functionality	12	12	0	0	0	14		
<b>IMPS-1.3-int-PRSE-013</b>	Verify Create Contact List functionality	12	12	0	0	0	14		
<b>IMPS-1.3-int-PRSE-014</b>	Verify Delete Contact List functionality	10	10	0	0	0	16		
<b>IMPS-1.3-int-PRSE-015</b>	Verify that the server and client support Get Watcher List functionality	12	12	0	0	0	14		
<b>IMPS-1.3-int-PRSE-016</b>	Reactive presence authorization to proactive presence authorization (individual authorization)	7	3	2	5	2	14		
<b>IMPS-1.3-int-PRSE-017</b>	Reactive presence authorization to proactive presence authorization (list authorization)	4	0	2	0	2	22		
<b>IMPS-1.3-int-PRSE-018</b>	Verify auto-subscribe functionality when adding a user to a Contact List.	11	10	1	1	0	14		
<b>IMPS-1.3-int-PRSE-019</b>	Verify Client is unable to access another users Contact List (denied by the Server)	3	3	0	0	0	23		
<b>IMPS-1.3-int-PRSE-020</b>	Verify Publishing Default Attribute List functionality (Proactive Presence Case)	13	13	0	3	0	10		
<b>IMPS-1.3-int-PRSE-021</b>	Verify General Notification Mechanism (on Contact-List-Created event and in the case of multiple concurrent sessions of the same User)	2	2	0	0	0	24		

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	24	20	4	2	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	18	18	0	0	0	8		
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	0	0	0	0	0	26		
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	4	4	0	0	0	22		
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	11	9	2	1	0	14		
IMPS-1.3-int-IMSE-009	This test confirms that a client is able to unblock delivery of messages	11	9	2	1	0	14		
IMPS-1.3-int-IMSE-010	Verify that a message (including "tricky" characters) sent by one client is delivered to the other client	24	20	4	2	0	0		
IMPS-1.3-int-IMSE-011	Verify message validity period functionality and failed delivery	2	2	0	0	0	24		
IMPS-1.3-int-IMSE-012	Verify message failed delivery notification	2	2	0	0	0	24		
IMPS-1.3-int-IMSE-013	Successful sending of formatted textual IM	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-014	Successful sending of original name of multimedia message in IM	2	2	0	0	0	24		
IMPS-1.3-int-IMSE-015	Verify General Notification Mechanism (Block-List-Changed)	0	0	0	0	0	26		
IMPS-1.3-int-IMSE-016	Verify Client and Server end-to-end messaging using ContactList-ID Recipient.	0	0	0	0	0	26		
IMPS-1.3-int-GRSE-001	Verify the Join Group functionality (not authorised to join group)	6	6	0	0	0	20		
IMPS-1.3-int-GRSE-002	Verify the Leave Group functionality	5	4	1	0	0	21		
IMPS-1.3-int-GRSE-003	Verify sending message to group (either Private or Public)	5	4	1	0	0	21		
IMPS-1.3-int-GRSE-004	Verify sending PRIVATE message to a member of a group (either Private or Public)	3	2	1	0	0	23		
IMPS-1.3-int-GRSE-005	Verify the Join Group functionality for public group	6	5	1	0	0	20		
IMPS-1.3-int-GRSE-006	Verify Create Group Functionality	6	6	0	0	0	20		
IMPS-1.3-int-GRSE-007	Verify the Welcome Note functionality	4	4	0	0	0	22		
IMPS-1.3-int-GRSE-008	Verify the Join Group functionality (non-existing group)	6	6	0	0	0	20		
IMPS-1.3-int-GRSE-009	Verify the Group Change Notice Functionality	5	5	0	0	0	21		
IMPS-1.3-int-GRSE-010	Verify the Delete Group feature	6	6	0	0	0	20		
IMPS-1.3-int-GRSE-011	Verify the Group Invitations feature when not blocked.	4	4	0	0	0	22		
IMPS-1.3-int-GRSE-012	Verify the Private Group functionality when not blocked – Invitations, Create, Join, Leave, - Accept	4	3	1	0	0	22		
IMPS-1.3-int-GRSE-013	Verify the Group Invitations feature – Reject	3	3	0	1	0	22		

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	6	6	0	0	0	20		
IMPS-1.3-int-GRSE-015	Verify the Get Joined Users feature	5	5	0	0	0	21		
IMPS-1.3-int-GRSE-016	Verify the Server Initiated Leave Group functionality	0	0	0	0	0	26		
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	1	0	25		
IMPS-1.3-int-GRSE-021	Extension of one to one IM conversation (accepted)	3	1	0	0	2	23		
IMPS-1.3-int-GRSE-022	Extension of one to one IM conversation (denied)	3	1	0	0	2	23		
IMPS-1.3-int-GRSE-023	Extension of one to one IM conversation (not supported)	3	1	0	0	2	23		
IMPS-1.3-int-GRSE-024	Extension of one to one IM conversation (group change notice functionality)	3	1	0	0	2	23		
IMPS-1.3-int-GRSE-025	Extension of one to one IM conversation (group change notice not supported)	2	0	0	0	2	24		
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	12	0	1	0	11	14		
IMPS-1.3-int-CIR-002	Testing Communication Initiation Request (CIR) using WAP Push over UDP	10	0	1	0	9	16		
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	2	2	0	0	0	24		
IMPS-1.3-int-CIR-005	Testing Communication Initiation Request (CIR) over Standalone TCP/IP	11	11	0	0	0	15		
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-18, no problem reports were generated relating to the test materials and test process.

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.

A handwritten signature in black ink, appearing to read "H. Greenwell", written over a light gray rectangular background.

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OMA Trusted Zone

## Appendix A. Change History

(Informative)

Type of Change	Date	Section	Description
Initial Draft Release	9 <sup>th</sup> March 2007	All	First Version from TestFest-18