



Enabler Test Report Presence SIMPLE v1.0

OMA Test Fest (Jan 2006)
Version 03-Feb-2006

Open Mobile Alliance
OMA-Enabler_Test_Report-PRS-10-2006-02-03

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1. Scope

This report describes the results from the testing carried out at OMA TestFest12 January 2006 concerning Presence SIMPLE version 1.0.

2. References

2.1 Normative References

- [OMAIOPPROC] OMA Interoperability Policy and Process, <http://www.openmobilealliance.org/>
- [PRSEICS] Enabler Implementation Conformance Statement (EICS), Presence
- [ERELED] Enabler Release Document for Presence OMA-ERELED-SIMPLE-V1_0
<http://www.openmobilealliance.org/>
- [EPTR] Enabler Product Test Report
- [ETP] Enabler Test Plan
- [ETS] Enabler Test Specification for Presence SIMPLE (Interoperability)- Draft Version 1.0.1 – 14 November 2005
Enabler Test Specification for Presence XDM (Interoperability) - Draft Version 1.0.1 – 20 October 2005
Enabler Test Specification for RLS XDM (Interoperability) - Draft Version 1.0.1 – 08 October 2005
<http://www.openmobilealliance.org/>
- [OMARDPRES] Presence Requirements Version 1.0 OMA-RD_Presence_SIMPLE-V1.0
<http://www.openmobilealliance.org/>
- [OMATSPRES] Presence SIMPLE Specification OMA-TS-Presence_SIMPLE-V1.0-20050628-C
<http://www.openmobilealliance.org/>

2.2 Informative References

- [OMADICT] Dictionary for OMA Specification, OMA-Dictionary
<http://www.openmobilealliance.org/>
- [OMAADPRES] Stage 2 – Presence using SIMPLE, OMA-AD-Presence_SIMPLE-V1_0
<http://www.openmobilealliance.org/>

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

User - A person using UE.

User[N] - A subscriber assigned to UE, where N is an integer number (i.e. User1, User2)

UE[N] - A client terminal used for testing where N is an integer number (i.e. UE1, UE2 etc.)

3.3 Abbreviations

OMA	Open Mobile Alliance
PS	Presence Server
PoC	Push to talk over Cellular
RD	Requirements Document
SIP	Session Initiation Protocol
URI	Universal Resource Identifier
XCAP	XML Configuration Access Protocol
XDMC	XML Document management Client
XDMS	XML Document Management Server
XML	Extensible Mark-up Language

4. Summary

This report gives details of the testing carried out during the OMA TestFest12 (January 2006) for Presence SIMPLE v1.0.

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:	20th – 27th January 2006
Location:	Montréal, Canada
Enabler:	Presence v1.0
Process:	OMA Interoperability Policy and Process [OMAIOPPROC]
Type of Testing	Interoperability Testing
Products tested:	Client-to-server, Client-to-Client
Test Plan:	Presence Enabler Test Plan [ETP]
Test Specification:	Presence Enabler Test Specification [ETS]
Test Tool:	None
Test Code:	None
Type of Test event:	Test Fest
Participants:	Comneon GmbH & Co OHG, Ericsson AB, fg microtec, Motorola Inc (2 products), Nokia (2 products), Qualphone Inc., Siemens, Sonim Technologies + 3 other products
Number of Client Products:	8 Clients
Participating Technology Providers for clients:	Comneon GmbH & Co OHG, Ericsson AB, fg microtec, Motorola Inc, Nokia Qualphone Inc., <i>plus two other clients</i>
Number of Server Products:	5 Servers
Participating Technology Providers for servers:	Motorola; Nokia Networks; Siemens; Sonim Technologies <i>plus one other server</i>
Number of test sessions completed:	40 of 40

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	40	5	0	0	45	155	0	200
Client to Server to Client TCs	40	39	379	34	454	687	6	1560
Total	40	44	379	34	499	842	6	1760

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 Presence-SIMPLE Enabler TestFest from ETS OMA-ETS-Presence_SIMPLE_INT-V1_0_1-20051114-D.doc

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
Presence-1.0-int-0100	Verify that presence information published by an UE will be received by another UE, which subscribes for that information. <u>TEST CASE GOAL:</u> Verify that when UE1 publishes presence information, UE2, as Watcher, will receive the presence information.	33	33	0	0	0		
Presence-1.0-int-0101	Verify that presence information modified by an UE will be displayed accordingly in another UE, which subscribes for that information. <u>TEST CASE GOAL:</u> Verify that when User1 modifies presence information, User2, as Watcher, will receive the updated presence information.	34	33	0	1	0		
Presence-1.0-int-0102	Verify that presence publications terminated by an UE will be displayed in another UE. <u>TEST CASE GOAL:</u> Verify that when User1 terminates its presence publication, User2, as Watcher, will be displayed.	34	32	1	1	0		

Presence-1.0-int-0103	An UE, acting as a Watcher has a subscription that expires and another UE, the presence source, updates its presence information. <u>TEST CASE GOAL:</u> Verify that a Watcher which subscription has expired, does not display any presence information updates.	29	24	0	5	0		
Presence-1.0-int-0104	An UE, acting as a Watcher terminates its subscriptions, and another UE, the presence source, updates the presence information. <u>TEST CASE GOAL:</u> Verify that a Watcher, which has terminated its subscription, does not display any presence updates.	34	25	4	5	0		
Presence-1.0-int-0105	Verify that Presence Server keeps sending presence information to a UE, acting as a watcher, after subscription refresh. <u>TEST CASE GOAL:</u> Verify that a UE retrieves and displays the presence information after the subscription refresh.	32	18	6	8	0		
Presence-1.0-int-0106	Verify that a Presence Server can store and manage presence information coming from multiple UEs, acting as Presence Sources and related to several Users, and correctly notify one UE, acting as a Watcher the presence information. <u>TEST CASE GOAL:</u> Verify that a UE, acting as a Watcher, is able to display the presence information when subscribing to presence information of several other users.	29	23	0	6	0		
Presence-1.0-int-0107	Verify that a User is able to define policies so that different presence information can be sent to different Users, acting as Watchers. <u>TEST CASE GOAL:</u> Verify that a User, acting as a Presentity can allow one User to see a different presence content than another User, acting as Watchers.	26	9	3	14	0		

Presence-1.0-int-0108	<p>Verify that a User is able to define policies so that the same presence information elements but with different values (whether those are true or not) can be sent to different Users, acting as Watchers.</p> <p><u>TEST CASE GOAL:</u> Verify that a User, acting as a Presentity can allow one User to see the same presence information elements but with different values (whether those are true or not) than another User, acting as Watchers.</p>	26	2	2	20	2			
Presence-1.0-int-0109	<p>Verify that a Presence Server supports the combination of different presence information elements of a particular User coming from different UEs, acting as presence sources.</p> <p><u>TEST CASE GOAL:</u> Verify that a Presence Server is able to apply presence composition rules, and notify a UE, acting as a Watcher, the correct presence information.</p>	27	15	0	12	0			
Presence-1.0-int-0110	<p>Verify that a UE, acting as a presence source, can use a Presence Profile to define a set of presence elements.</p> <p><u>TEST CASE GOAL:</u> Verify that a user can set some presence elements by using a Profile of a UE.</p>	23	0	2	19	2			
Presence-1.0-int-0111	<p>Verify that UE successfully publishes and retrieves presence information as long as the subscription is valid.</p> <p><u>TEST CASE GOAL:</u> Verify that when one user publishes presence information, another user, acting as Watcher, will receive the presence information until the Publish timer expires.</p>	34	23	6	5	0			
Presence-1.0-int-0120	<p>Verify that a UE successfully publishes and retrieves presence information by polling.</p> <p><u>TEST CASE GOAL:</u> Verify that one user using Polling Subscription, will retrieve presence information from another user, which has an active publication.</p>	31	26	0	5	0			

Presence-1.0-int-0121	Verify that a User is able to define policies so that defined presence information can be sent to an anonymous User, acting as a Watcher. <u>TEST CASE GOAL:</u> Verify that a User, acting as a Presentity can define the contents a User authenticated as anonymous and acting as a Watcher will see.	21	3	2	16	0			
Presence-1.0-int-0122	Verify that a User is able to define policies so that defined presence information can be sent to unspecified Users (not known in the Presence Rules document), acting as Watchers. <u>TEST CASE GOAL:</u> Verify that a User, acting as a Presentity can define the contents an unspecified User, acting, as a Watcher will see.	34	16	0	18	0			
Presence-1.0-int-0123	Verify that a Presence Server can handle changes for the Presence Rules document for Watchers (individual Watchers or groups) stored in the Shared XDMS. <u>TEST CASE GOAL:</u> Verify that a UE, acting as a XDMS, can modify his permissions for individual watchers and/or groups of watcher stored in the Shared XDMS, and the PS handles these permissions properly.	34	8	4	20	2			
Presence-1.0-int-0130	Verify that User1 successfully publishes presence information. User2 will not be able to Subscribe to the presence information when blocked by User1. <u>TEST CASE GOAL:</u> Verify that when one user publishes presence information, another user, which is blocked, is not allowed to subscribe for presence information.	32	18	0	14	0			

Presence-1.0-int-0140	User2 will be able to Subscribe and receive notifications, but presence information will not be revealed, since the user is politely blocked. <u>TEST CASE GOAL:</u> Verify that when one user publishes presence information, another user, acting as Watcher, will be able to subscribe and receive notification, but presence information will not be revealed, since the user is politely blocked.	34	22	0	12	0			
Presence-1.0-int-0141	Verify that a UE, acting as a Watcher, can subscribe using notification filtering and that the Presence Server applies filtering and notifies the correct information. <u>TEST CASE GOAL:</u> Verify that User2, acting as a Watcher, only gets the information that has been asked for.	16	0	0	16	0			
Presence-1.0-int-0142	Verify that a UE, acting as a Watcher, can subscribe using event notification filtering and that the Presence Server applies filtering and notifies the correct information whenever the filter is triggered. <u>TEST CASE GOAL:</u> Verity that User2, acting as a Watcher, only gets the information that has been asked for whenever the filter is triggered.	17	0	0	17	0			
Presence-1.0-int-0143	Verify that presence information with non-OMA elements published by an UE will be handled correctly by another UE, which subscribes for that information. <u>TEST CASE GOAL:</u> Verify that when UE1 publishes presence information with non-OMA elements, UE2, as Watcher, will interpret correctly the OMA presence information elements and discard the non-OMA ones.	28	9	2	17	0			

Presence-1.0-int-0150	<p>Verify that an RLS can handle subscriptions to resource lists and distribute notifications including presence information to the Watcher.</p> <p><u>TEST CASE GOAL:</u> Verify that a UE, acting as a Watcher, is able to subscribe to a resource list with URI's to Presence Sources and be able to display presence information.</p>	27	12	1	14	0		
Presence-1.0-int-0151	<p>Verify that an RLS can handle subscriptions to resource lists and distribute notifications including presence information to the Watcher.</p> <p><u>TEST CASE GOAL:</u> Verify that a UE, acting as a Watcher, is able to display presence information for a specific user, which is added to a resource list the Watcher owns and has an active subscription on.</p>	22	4	0	18	0		
Presence-1.0-int-0152	<p>Verify that an RLS can handle subscriptions to resource lists pointing to groups in the Shared XDMS, and distribute notifications including presence information to the Watcher.</p> <p><u>TEST CASE GOAL:</u> Verify that a UE, acting as a Watcher, is able to subscribe to resource lists pointing to groups in the Shared XDMS and be able to display presence information.</p>	27	8	1	18	0		
Presence-1.0-int-0153	<p>Verify that an RLS can handle subscriptions to resource lists pointing to groups in the Shared XDMS and distribute notifications including presence information to the Watcher.</p> <p><u>TEST CASE GOAL:</u> Verify that a UE, acting as a Watcher, is able to display presence information for a specific user, which is added to a shared group pointed by a resource list the Watcher owns and has an active subscription on.</p>	22	2	0	20	0		

<p>Presence-1.0-int-0160</p>	<p>Verify that a UE, acting as a Watcher, can subscribe using event notification filtering to a resource list and that the Resource List Server applies filtering and notifies the correct information whenever the filter is triggered.</p> <p><u>TEST CASE GOAL:</u> Verify that an RLS can handle event and content subscriptions to resource lists and distribute notifications to the Watcher including appropriate presence information whenever the filter is triggered.</p>	17	0	0	17	0		
<p>Presence-1.0-int-0200</p>	<p>Verify that a UE successfully Subscribes to Watcher Information</p> <p><u>TEST CASE GOAL:</u> User1 subscribes to watcher information and will be notified when User2 subscribes to User1's presence information</p>	21	9	0	12	0		
<p>Presence-1.0-int-0210</p>	<p>Verify that UE successfully publishes and receives presence information after reactive authorization.</p> <p><u>TEST CASE GOAL:</u> Verify that User1 successfully can subscribe for watcher information and is notified when User2 subscribes for User1's presence information. User1 then updates his Authorization Rules Document to allow User2 to see his presence. User2 will display User1's presence information.</p>	21	5	0	16	0		

Table 1. Test Case Counts

Tests for XDM Enabler TestFest from OMA-ETS-Presence_XDM_INT-V1_0_1-20051020-D

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
<p>Presence-XDM-1.0-int-0100</p>	<p>Verify that UE can be successfully authenticated by the Aggregation Proxy when retrieving documents over the XCAP interface.</p> <p><u>TEST CASE GOAL:</u> Verify that when the UE initiates the communication with an XDMS, the Aggregation Proxy authenticates it.</p>	31	0	0	31	0		

Presence-XDM-1.0-int-0150	Verify that the Aggregation Proxy rejects too many failed authentication attempts by the UE. <u>TEST CASE GOAL:</u> Verify that the client will not be able to access XML documents during the initial communication attempt with an XDMS.	31	0	0	31	0		
Presence-XDM-1.0-int-0200	Verify that the user can create and retrieve an XML document from the Presence XDMS. <u>TEST CASE GOAL:</u> Verify creation and retrieval of Presence Authorization Rules document. This test case is for the UEs that are able to create the Presence Authorization Rules document.	31	0	0	31	0		
Presence-XDM-1.0-int-0201	Verify that the user can retrieve an XML document from the Presence XDMS. <u>TEST CASE GOAL:</u> Verify retrieval of Presence Authorization Rules document.	31	0	0	31	0		
Presence-XDM-1.0-int-0202	Verify that the UE can create and retrieve XML elements from the Presence XDMS. <u>TEST CASE GOAL:</u> Add an additional rule to already existing Presence Authorization Rules document stored in the Presence XDMS. Verify that the Presence Authorization Rules document has been updated correctly in the Presence XDMS.	31	0	0	31	0		
Presence-XDM-1.0-int-0203	Verify that the UE can modify and retrieve XML elements and documents from the Presence XDMS. <u>TEST CASE GOAL:</u> Modify and retrieve an already existing rule in Presence Authorization Rules document stored in the Presence XDMS. Verify that the rule has been updated correctly in the Presence XDMS.	31	0	0	31	0		
Presence-XDM-1.0-int-0204	Verify that the UE can delete XML elements from the Presence XDMS. <u>TEST CASE GOAL:</u> Delete a rule from the Presence Authorization Rules document stored in the Presence XDMS and verify that the rule is removed from the Presence XDMS.	31	0	0	31	0		

<p>Presence-XDM-1.0-int-0205</p>	<p>Verify that the UE can delete an XML document from the Presence XDMS.</p> <p><u>TEST CASE GOAL:</u> Delete the Presence Authorization Rules document stored in the Presence XDMS and verify that the document no longer exists in the Presence XDMS.</p>	31	0	0	31	0			
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Table 2. Test Case Counts

Tests for XDM Enabler TestFest From OMA-ETS-RLS_XDM_INT-V1_0_1-20051008-D

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
<p>RLS-XDM-1.0-int-0100</p>	<p>Verify that UE can be successfully authenticated by the Aggregation Proxy when retrieving documents over the XCAP interface.</p> <p><u>TEST CASE GOAL:</u> Verify that when the UE initiates the communication with an XDMS, the Aggregation Proxy authenticates it.</p>	31	0	0	31	0		
<p>RLS-XDM-1.0-int-0150</p>	<p>Verify that the Aggregation Proxy rejects too many failed authentication attempts by the UE.</p> <p><u>TEST CASE GOAL:</u> Verify that the client will not be able to access XML documents during the initial communication attempt with an XDMS.</p>	31	0	0	31	0		
<p>RLS-XDM-1.0-int-0200</p>	<p>Verify that the user can create and retrieve an XML document from the RLS XDMS.</p> <p><u>TEST CASE GOAL:</u> Verify creation and retrieval of Presence Lists document. This test case is for the UEs that are able to create the Presence Lists document.</p>	31	0	0	31	0		
<p>RLS-XDM-1.0-int-0201</p>	<p>Verify that the user can retrieve an XML document from the RLS XDMS.</p> <p><u>TEST CASE GOAL:</u> Verify retrieval of Presence Lists document.</p>	31	0	0	31	0		

<p>RLS-XDM-1.0-int-0202</p>	<p>Verify that the UE can create and retrieve XML elements from the RLS XDMS. <u>TEST CASE GOAL:</u> Add an additional rule to already existing Presence Lists document stored in the RLS XDMS. Verify that the Presence Lists document has been updated correctly in the RLS XDMS.</p>	31	0	0	31	0		
<p>RLS-XDM-1.0-int-0203</p>	<p>Verify that the UE can modify and retrieve XML elements and documents from the RLS XDMS. <u>TEST CASE GOAL:</u> Modify and retrieve an already existing service element in Presence Lists document stored in the RLS XDMS. Verify that the services has been updated correctly in the RLS XDMS.</p>	31	0	0	31	0		
<p>RLS-XDM-1.0-int-0204</p>	<p>Verify that the UE can delete XML elements from the RLS XDMS. <u>TEST CASE GOAL:</u> Delete a service from the Presence Lists document stored in the RLS XDMS and verify that the service is removed from the RLS XDMS.</p>	31	0	0	31	0		
<p>RLS-XDM-1.0-int-0205</p>	<p>Verify that the UE can delete an XML document from the RLS XDMS. <u>TEST CASE GOAL:</u> Delete the Presence Lists document stored in the RLS XDMS and verify that the document no longer exists in the RLS XDMS.</p>	31	0	0	31	0		

5.2.3 Problem Reports

During the activities for TestFest12, the following problem reports were generated relating to the test materials and test process:

PR Number	Affecting	Description	Test Case reference / Specification reference
005	Specification	Test specification is not clear	Presence-1.0-int-108
006	Specification	Test specification is not clear	Presence-1.0-int-0110
007	ETS	Wrong test procedure	Presence-1.0-int-0123
008	ETS	Test case Presence-1.0-int-0111 - Pass-Criteria probably not complete, description for step 3. missing	Presence-1.0-int-0111

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 black ink, appearing to read "Alan P. [unclear]", written over a horizontal line.

OMA Trusted Zone

Appendix A. Change History (Informative)

Type of Change	Date	Section	Description