Enabler Test Report

Presence SIMPLE v1.0

OMA TestFest (Sep 2006)
Version 22-Sep-2006

Open Mobile Alliance
OMA-Enabler_Test_Report-PRS-10-2006-09-22

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Contents

1. Scope

This report describes the results from the testing carried out at OMA TestFest-16 (September 2006) concerning the Presence SIMPLE version 1.0 Enabler.

2. References

2.1   Normative References

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

[PRSEICS]   Enabler Implementation Conformance Statement (EICS), Presence

[ERELD]   Enabler Release Document for Presence OMA-ERELD-SIMPLE-V1_0
                             http://www.openmobilealliance.org/

[EPTR]   Enabler Product Test Report

[ETP]   Enabler Test Plan

[ETS]   Enabler Test Specification for Presence SIMPLE (Interoperability)- V1.0 – 6 June 2006
                             Enabler Test Specification for Presence XDM (Interoperability) - V1.0 – 20 December 2005
                             Enabler Test Specification for RLS XDM (Interoperability) - V1.0 – 20 December 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 TestFest-16 (September 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:	8th to 15th September 2006
Location:	Düsseldorf, Germany
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, Flextronics Software Systems, Followap, Motorola Inc., Nokia, Nokia Networks, Siemens
Number of Client Products:	4
Participating Technology Providers for clients:	Comneon GmbH, Flextronics Software Systems, Motorola Inc. and Nokia
Number of Server Products:	4
Participating Technology Providers for servers:	Followap, Motorola, Nokia Networks, Siemens
Number of test sessions completed:	28

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	28	4	5	0	10	97	0	112
Client to Server to Client TCs	28	43	233	17	277	673	4	1204
Total	**28**	**47**	**238**	**17**	**287**	**770**	**4**	**1316**

Table 1. Test Summary Table

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 Taken From
OMA-ETS-Presence_SIMPLE_INT-V1_0-20060606-C.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. - TEST CASE GOAL: Verify that when UE1 publishes presence information, UE2, as Watcher, will receive the presence information.	28	26	2	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. - TEST CASE GOAL: Verify that when User1 modifies presence information, User2, as Watcher, will receive the updated presence information.	28	24	3	0	1		
Presence-1.0-int-0102	Verify that presence publications terminated by an UE will be displayed in another UE. - TEST CASE GOAL: Verify that when User1 terminates its presence publication, User2, as Watcher, will be displayed.	21	18	1	2	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
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. - TEST CASE GOAL: Verify that a Watcher which subscription has expired, does not display any presence information updates.	24	14	5	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. - TEST CASE GOAL: Verify that a Watcher, which has terminated its subscription, does not display any presence updates.	25	16	3	6	0		
Presence-1.0-int-0105	Verify that Presence Server keeps sending presence information to a UE, acting as a watcher, after subscription refresh. - TEST CASE GOAL: Verify that a UE retrieves and displays the presence information after the subscription refresh.	6	0	0	5	1		
Presence-1.0-int-0106	Verify that presence information modified by an UE via partial publication will be displayed accordingly in another UE, which subscribes for that information. - TEST CASE GOAL: Verify that when User1 modifies presence information via partial publication, User2, as Watcher, will receive the updated presence information.	28	16	0	12	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
Presence-1.0-int-0107	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. - TEST CASE GOAL: Verify that a UE, acting as a Watcher, is able to display the presence information when subscribing to presence information of several other users.	9	0	0	9	0		
Presence-1.0-int-0108	Verify that presence information modified by an UE will be displayed accordingly in another UE, which subscribes via partial subscription to that information. - TEST CASE GOAL: Verify that when User1 modifies presence information, User2, as Watcher, will receive the updated presence information via partial notification.	25	14	0	11	0		
Presence-1.0-int-0109	Verify that a User is able to define policies so that different presence information can be sent to different Users, acting as Watchers. - TEST CASE GOAL: Verify that a User, acting as a Presentity can allow one User to see a different presence content than another User, acting as Watchers.	10	0	0	10	0		
Presence-1.0-int-0110	Verify that a User is able to define policies so that the same presence information elements but with different can be sent to different Users, acting as Watchers. - TEST CASE GOAL: Verify that a User, acting as a Presentity can allow one User to see the same presence information elements but with different values than another User, acting as Watchers.	22	10	0	12	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
Presence-1.0-int-0111	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. - TEST CASE GOAL: Verify that a Presence Server is able to apply presence composition rules, and notify a UE, acting as a Watcher, the correct presence information.	25	15	0	10	0		
Presence-1.0-int-0112	Verify that UE successfully publishes and retrieves presence information as long as the subscription is valid. - TEST CASE GOAL: Verify that when one user publishes presence information, another user, acting as Watcher, will receive the presence information until the Publish timer expires.	15	4	0	11	0		
Presence-1.0-int-0120	Verify that a UE successfully publishes and retrieves presence information by polling. - TEST CASE GOAL: Verify that one user using Polling Subscription, will retrieve presence information from another user, which has an active publication.	17	6	0	11	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. - TEST CASE GOAL: Verify that a User, acting as a Presentity can define the contents a User authenticated as anonymous and acting as a Watcher will see.	13	1	0	12	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. - TEST CASE GOAL: Verify that a User, acting as a Presentity can define the contents an unspecified User, acting, as a Watcher will see.	15	0	0	14	1		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
Presence-1.0-int-0123	Verify that a Presence Server can handle the Presence Rules document for groups of watchers stored in the Shared XDMS. - TEST CASE GOAL: Verify that a UE, acting as a XDMC, can modify his permissions for groups of watcher stored in the Shared XDMS, and the PS handles these permissions properly.	23	13	0	10	0		
Presence-1.0-int-0124	Verify that a Presence Server can handle changes for the Presence Rules document for Watchers (individual Watchers or groups) stored in the Shared XDMS. - TEST CASE GOAL: Verify that a UE, acting as a XDMC, can modify his permissions for individual watchers and/or groups of watcher stored in the Shared XDMS, and the PS handles these permissions properly.	24	10	1	12	1		
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. - TEST CASE GOAL: Verify that when one user publishes presence information, another user, which is blocked, is not allowed to subscribe for presence information.	13	1	0	12	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. - TEST CASE GOAL: 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.	13	1	0	12	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
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. - TEST CASE GOAL: Verify that User2, acting as a Watcher, only gets the information that has been asked for.	15	1	0	14	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. - TEST CASE GOAL: Verity that User2, acting as a Watcher, only gets the information that has been asked for whenever the filter is triggered.	15	2	0	13	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. - TEST CASE GOAL: 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.	27	10	0	17	0		
Presence-1.0-int-0150	Verify that an RLS can handle subscriptions to resource lists and distribute notifications including presence information to the Watcher. - TEST CASE GOAL: 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.	27	10	1	16	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
Presence-1.0-int-0151	Verify that an RLS can handle subscriptions to resource lists and distribute notifications including presence information to the Watcher. - TEST CASE GOAL: 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.	24	8	1	15	0		
Presence-1.0-int-0152	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. - TEST CASE GOAL: 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.	13	0	0	13	0		
Presence-1.0-int-0153	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. - TEST CASE GOAL: 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.	13	0	0	13	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
Presence-1.0-int-0160	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. - TEST CASE GOAL: 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.	14	0	0	14	0		
Presence-1.0-int-0200	Verify that a UE successfully Subscribes to Watcher Information - TEST CASE GOAL: User1 subscribes to watcher information and will be notified when User2 subscribes to User1's presence information	18	4	0	14	0		
Presence-1.0-int-0210	Verify that UE successfully publishes and receives presence information after reactive authorization. - TEST CASE GOAL: 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.	19	2	0	17	0		
Presence-1.0-int-0211	Verify that a Watcher Information Subscriber can receive notifications whenever one of the subscription to his/her Presence Information expires. TEST CASE GOAL: Verity that User1 (Watcher Information Subscriber) can get notifications whenever User2's subscription to User1's Presence Information expires.	19	2	0	17	0		

Table 2. Test Case Counts

Tests for Presence-XDM Enabler TestFest Taken From
OMA-ETS-Presence_XDM_INT-V1_0-20051220-A

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
Presence-XDM-1.0-int-0100	Verify that UE can be successfully authenticated by the Aggregation Proxy when retrieving documents over the XCAP interface. TEST CASE GOAL: Verify that when the UE initiates the communication with an XDMS, the Aggregation Proxy authenticates it.	28	2	0	26	0		
Presence-XDM-1.0-int-0150	Verify that the Aggregation Proxy rejects too many failed authentication attempts by the UE. TEST CASE GOAL: Verify that the client will not be able to access XML documents during the initial communication attempt with an XDMS.	28	1	0	27	0		
Presence-XDM-1.0-int-0200	Verify that the user can create and retrieve an XML document from the Presence XDMS. TEST CASE GOAL: Verify creation and retrieval of Presence Authorization Rules document. This test case if for the UEs that are able to create the Presence Authorization Rules document.	27	0	0	27	0		
Presence-XDM-1.0-int-0201	Verify that the user can retrieve an XML document from the Presence XDMS. TEST CASE GOAL: Verify retrieval of Presence Authorization Rules document.	27	0	0	27	0		
Presence-XDM-1.0-int-0202	Verify that the UE can create and retrieve XML elements from the Presence XDMS. TEST CASE GOAL: 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.	27	0	0	27	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
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.	27	0	0	27	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.	27	0	0	27	0		
Presence-XDM-1.0-int-0205	Verify that the UE can delete an XML document from the Presence XDMS. <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.	27	0	0	27	0		

Table 3. Test Case Counts

Tests for RLS-XDM Enabler TestFest Taken From
OMA-ETS-RLS_XDM_INT-V1_0-20051220-A

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
RLS-XDM-1.0-int-0100	Verify that UE can be successfully authenticated by the Aggregation Proxy when retrieving documents over the XCAP interface. <u>TEST CASE GOAL:</u> Verify that when the UE initiates the communication with an XDMS, the Aggregation Proxy authenticates it.	28	1	0	27	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
RLS-XDM-1.0-int-0150	Verify that the Aggregation Proxy rejects too many failed authentication attempts by the UE. TEST CASE GOAL: Verify that the client will not be able to access XML documents during the initial communication attempt with an XDMS.	28	1	0	27	0		
RLS-XDM-1.0-int-0200	Verify that the user can create and retrieve an XML document from the RLS XDMS. TEST CASE GOAL: Verify creation and retrieval of Presence Lists document. This test case if for the UEs that are able to create the Presence Lists document.	28	1	0	27	0		
RLS-XDM-1.0-int-0201	Verify that the user can retrieve an XML document from the RLS XDMS. TEST CASE GOAL: Verify retrieval of Presence Lists document.	28	1	0	27	0		
RLS-XDM-1.0-int-0202	Verify that the UE can create and retrieve XML elements from the RLS XDMS. TEST CASE GOAL: 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.	28	1	0	27	0		
RLS-XDM-1.0-int-0203	Verify that the UE can modify and retrieve XML elements and documents from the RLS XDMS. TEST CASE GOAL: 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.	28	1	0	27	0		

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
RLS-XDM-1.0-int-0204	Verify that the UE can delete XML elements from the RLS XDMS. TEST CASE GOAL: Delete a service from the Presence Lists document stored in the RLS XDMS and verify that the service is removed from the RLS XDMS.	28	1	0	27	0		
RLS-XDM-1.0-int-0205	Verify that the UE can delete an XML document from the RLS XDMS. TEST CASE GOAL: Delete the Presence Lists document stored in the RLS XDMS and verify that the document no longer exists in the RLS XDMS.	27	0	0	27	0		

Table 4. Test Case Counts

5.2.3   Problem Reports

During the activities for TestFest-16, the following problem reports were generated relating to the test materials and test process:

PR Number	Affecting	Description	Test Case reference / Specification reference
0026	Specification	Wrong example for 'network' element in presence pidf doc	OMA-TS-Presence_SIMPLE-V1_0-20060725-A.pdf, section 10.6

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
Initial Verstion	22nd September 2006	All	First Version from TestFest-16