Enabler Test Specification for Presence SIMPLE

Interoperability

Approved Version 1.0 – 20 Dec 2005

Open Mobile Alliance

OMA-ETS-Presence_SIMPLE-INT-V1_0-20051220-A

Contents

1. Scope

This document describes in detail available test cases for Presence-SIMPLE V1.0 enabler (http://www.openmobilealliance.org).

This test specification only covers interoperability test cases.

The interoperability test cases are aimed to verify that implementations of the specifications work satisfactory.

If tests do not exists at the creation of the test specification this part should be marked not available.

2. References

2.1 Normative References

[IOPPROC] "OMA Interoperability Policy and Process", Version 1.1, Open Mobile Alliance™, OMA-IOP-Process-V1_1, URL: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

[ERELD] "Enabler Release Document for Presence", Open Mobile Alliance™, OMA-ERELD-SIMPLE-V1_0, URL:http://www.openmobilealliance.org/

[OMARDPOC] "Push to Talk over Cellular Requirements", Version 1.0, Open Mobile Alliance™, OMA-RD_PoC-V1_0, URL:http://www.openmobilealliance.org/

[OMARDPRES] "Presence Requirements", Version 1.0, Open Mobile Alliance™, OMA-RD_Presence_SIMPLE-V1_0, URL:http://www.openmobilealliance.org/

[OMA-Presence-XDM] "Presence XDM Specification", Version 1.0, Open Mobile Alliance™, OMA-Presence_SIMPLE_XDM _Specification-V1_0, URL:http://www.openmobilealliance.org/

[OMA-RLS-XDM] "Resource List Server (RLS) XDM Specification", Version 1.0, Open Mobile Alliance™, OMA-Presence_SIMPLE_RLS_XDM _Specification-V1_0, URL:http://www.openmobilealliance.org/

[OMATSPRES] "Presence SIMPLE Specification", Version 1.0, Open Mobile Alliance™, OMA-TS-Presence_SIMPLE-V1_0, URL:http://www.openmobilealliance.org/

2.2 Informative References

[OMADICT] "Dictionary for OMA Specifications", Open Mobile Alliance™. OMA-Dictionary, URL:http://www.openmobilealliance.org/

[OMAADPRES] "Stage 2 - Presence using SIMPLE", Version 1.0, Open Mobile Alliance™, OMA-AD-Presence_SIMPLE-V1_0, URL:http://www.openmobilealliance.org/

3. Terminology and Conventions

3.1 Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

All sections and appendixes, except “Scope”, are normative, unless they are explicitly indicated to be informative.

Following test case numbering scheme is followed in the ETS for different Test Sections.

Note: In following numbering scheme “int” stands for “Interoperability Test Cases”. E.g. the first Interoperability test cases will be “Presence-1.0-int-0100”.

Following is the definition of fields in the naming convention:

PRES-1.0	Int	01	00
Specification Release (Presence-SIMPLE Version) number.	Int – Interoperability	Test-category	Test Sequence Number

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, etc.)
UE[N]	A client terminal with assigned User[N], 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
RLS	Resource List Server
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

3.4 Testing Policies

This section is intended to describe the testing policies used throughout the document.

For the UE testing, the focus is on UE1 (from Company1), UE2 (from Company2) and UE3 (from either Company). UE1, UE2, RLS and the Presence Server MUST be from different vendors.

There are no vendor restrictions for UE3 and XDMS.

3.5 Testing Assumptions

For all test cases throughout the document, the following assumptions are valid unless stated otherwise. Therefore, these assumptions shall be seen as a part of the preconditions:

General:

- The UE will contain a Presence Source and/or a Watcher, and is able to communicate with a Presence Server, Resource List Server, and Shared, Presence and RLS XDM Servers.
- The UE is able to show presence information.

4. Introduction

The purpose of this document is to provide test cases for Presence SIMPLE Enabler Release V1.0.

The following items on an overall level are needed to adequately test the Presence SIMPLE Enabler:

- Clients that contains Watcher and Presence Source logical components
- Clients capable of manipulating its Authorization Rules Document that is stored in Presence XDMS
- Presence Server
- Shared, Presence and RLS XDMS with Aggregation Proxy
- Resource List Server

Detailed information will be included in the specific test case descriptions.

The Presence SIMPLE Enabler tests are carried out using XCAP and SIP protocols. The transport protocols used are UDP, TCP and TLS.

5. Presence-SIMPLE Interoperability Test Cases

- This section covers the test cases defined for interoperability testing of the Presence SIMPLE enabler.

5.1 Presence Features

This section lists the test cases that can be executed by the following configurations of implementations:

- Client with XDMC, Presence Source and Watcher functionality.
- Aggregation Proxy with a Presence XDMS

5.1.1 Normal Flow

5.1.1.1 Presence-1.0-int-0100 Publication of Presence information

Test Case Id	Presence-1.0-int-0100
Test Object	UE with Presence Source and UE with Presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications o User2 has no active subscriptions for User1
Test Procedure	1. User2 subscribes to presence information from User1. 2. User1 publishes presence information for all commonly supported mandatory Presence elements.
Pass-Criteria	2. UE2 displays the presence information published by User1

5.1.1.2 Presence-1.0-int-0101 Publication of Presence information, publish modification

Test Case Id	Presence-1.0-int-0101
Test Object	UEs with Presence Source and Presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has an active subscription to User1.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User1 modifies the presence information that has already been published, e.g. change of mood.
Pass-Criteria	2. UE2 displays the updated presence information related to User1.

5.1.1.3 Presence-1.0-int-0102 Publication of Presence information, removal

Test Case Id	Presence-1.0-int-0102
Test Object	UEs with Presence Source and Presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE1 capable to terminate its publication (expiration Header = 0) o UE2 capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has an active publication. o User2 has an active subscription to User1.
Test Procedure	1. User1 modifies the active presence information that has already been published. 2. User1 removes (terminates) his publication.
Pass-Criteria	1. UE2 displays the presence information published by User1. 2. UE2 displays that User1 is not available.

5.1.1.4 Presence-1.0-int-0103 Publication of presence information, Subscription timer expires

Test Case Id	Presence-1.0-int-0103
Test Object	UEs with Presence Source and presence Watcher functionality, Presence Server
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 is capable of displaying presence information. o UE2 allows user to set a one-time subscription, and with no automatic refresh of the subscription. o Presence Server permits a subscription expiration time of 60 seconds. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no subscription to User1 active.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User2 subscribes to presence information from User1 using expiration time (60 seconds). 3. The subscription expiration timer for UE2 expires after 60 seconds from subscription. 4. User1 modifies the active presence information that has already been published.
Pass-Criteria	2. UE2 displays the presence information published by User1. 4. UE2 does not display the new presence information.

5.1.1.5 Presence-1.0-int-0104 Publication of Presence information, subscription removal

Test Case Id	Presence-1.0-int-0104
Test Object	UEs with Presence Source and presence Watcher functionality, Presence Server
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 is capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no subscription to User1 active. o UE2 capable of removing its subscription. (Expires Header = 0)
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User2 subscribes to presence information from User1. 3. User2 removes the subscription to presence information from User1. 4. User1 modifies the active presence information that has already been published.
Pass-Criteria	2. UE2 displays the presence information published by User1. 4. UE2 does not display any presence information from User1.

5.1.1.6 Presence-1.0-int-0105 Publication of Presence information, subscription refresh

Test Case Id	Presence-1.0-int-0105
Test Object	UEs with Presence Source and presence Watcher functionality, Presence Server
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 is capable of displaying presence information. o UE2 is capable of setting expiration time of a subscription. o Presence Server permits a subscription expiration time of 60 seconds. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no subscription to User1 active.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User2 subscribes to presence information from User1 using a particular expiration time (e.g. expiration time = 60 seconds). 3. Within the time subscription duration (60 seconds), User2 subscribes again (subscription refresh) to presence information related to presence information of User1 (expiration time = 60 seconds). 4. User1 modifies its presence information.
Pass-Criteria	2. UE2 displays the presence information published by User1. 4. UE2 displays the updated presence information published by User1.

5.1.1.7 Presence-1.0-int-0106 Notification of Presence information from multiple Presentities

Test Case Id	Presence-1.0-int-0106
Test Object	UEs with Presence Source and Presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User3 is authorized to see any of the presence information belonging to User1 and User2. o UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no active publications. o User3 has two active subscriptions; to User1 and User2.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User2 publishes presence information for all commonly supported mandatory Presence elements.
Pass-Criteria	1. UE3 displays the presence information published by User1. 2. UE3 displays the presence information published by User2.

5.1.1.8 Presence-1.0-int-0107 Distribution Policy (Presence Content Rules I)

Test Case Id	Presence-1.0-int-0107
Test Object	UEs with Presence Source, Presence Watcher and XDMC functionality, Presence Server, Presence XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains no information about User2 and User3 authorizations to see any of the presence information belonging to User1. o UE2, UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has an active publication with all commonly supported mandatory Presence elements. o User1 can change his authorizations rules document. o User2 and User3 have no active subscriptions.
Test Procedure	1. User1 sets authorizations rules and content access for User2. 2. User1 sets authorizations rules and content access for User3 (different than for User2). 3. User2 subscribes to presence information from User1. 4. User3 subscribes to presence information from User1
Pass-Criteria	3. UE2 displays the presence information published by User1 according to the rules for User2 set by User1. 4. UE3 displays the presence information published by User1 according to the rules for User3 set by User1

5.1.1.9 Presence-1.0-int-0108 Distribution Policy (Presence Content Rules II)

Test Case Id	Presence-1.0-int-0108
Test Object	UEs with Presence Source, Presence Watcher and XDMC functionality, Presence Server, Presence XDMS.
Test Case Description	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. 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 (whether those are true or not) than another User, acting as Watchers.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains no information about User2 and User3 authorizations to see any of the presence information belonging to User1. o UE2, UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has no active publication. o User1 can change his authorizations rules document. o User2 and User3 have no active subscriptions.
Test Procedure	1. User1 sets authorizations rules and content access for User2, allowing User2 to see all his truth presence information. 2. User1 sets authorizations rules and content access for User3, allowing User2 to see all his presence information, but with some false presence information. 3. User1 publishes truth presence information for all his supported Presence elements and some false presence information. 4. User2 subscribes to presence information from User1. 5. User3 subscribes to presence information from User1.

Pass-Criteria	4. UE2 displays the presence information published by User1 according to the rules for User2 set by User1 (truth information). 5. UE3 displays the presence information published by User1 according to the rules for User3 set by User1 (false information).

5.1.1.10 Presence-1.0-int-0109 Combining presence elements from different presence sources

Test Case Id	Presence-1.0-int-0109
Test Object	UEs with Presence Source and Presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N//A
Preconditions	• Equipment: o 2 UEs (UE1 and UE2 with User1 credentials) o 1 UE (UE3 with User2 credential) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE3 capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User2 has an active subscription to User1.
Test Procedure	1. User1 using UE1 publishes its own presence information related to User1. 2. User1 using UE2 publishes its own presence information related to User1 with different kind and/or values elements than UE1.
Pass-Criteria	2 UE3 displays the presence information published by User1, according to the presence composition rules.

5.1.1.11 Presence-1.0-int-0110 Publication of Presence Information with Presence Profiles (Includes Optional Features)

Test Case Id	Presence-1.0-int-0110
Test Object	UEs with Presence Source and Presence Watcher functionality, Presence Server
Test Case Description	Verify that a UE, acting as a presence source, can use a Presence Profile to define a set of presence elements. TEST CASE GOAL: Verify that a user can set some presence elements by using a Profile of a UE.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE1 has the ability to create presence information profiles configurable by a user. o UE2 capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has no active publication. o User2 has an active subscription to User1.
Test Procedure	1. User1 creates one profile and publishes it.
Pass-Criteria	1. UE2 displays presence information according to the presence information profile created by User1.

5.1.1.12 Presence-1.0-int-0111 Publication of presence information, Publication timer expires

Test Case Id	Presence-1.0-int-0111
Test Object	UEs with presence source and presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging toUser1. o UE2 is capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements o User1 has no active publications. o User2 has no active subscriptions. o UE1 has a defined and short (max 5 min.) publication period or is capable to set it to less than 5 min. o UE1 capable of one time publication, and with no automatic refresh of the publication.
Test Procedure	1. User2 subscribes to presence information from User1. 2. User1 publishes presence information for all commonly supported mandatory Presence elements. 3. UE1 Publish timer expires 4. User1 powers off UE1
Pass-Criteria	2. UE2 displays the presence information published by User1. 4. No new presence information shall be displayed for UE2.

5.1.1.13 Presence-1.0-int-0120 Publication of presence information, Subscription Poll Request

Test Case Id	Presence-1.0-int-0120
Test Object	UEs with presence source and presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o User1 and User2 will have a set of commonly supported mandatory Presence elements o UE2 is capable of displaying presence information. o User1 has no active publications. o User2 has no active subscriptions. o UE2 has the capability to subscribe for presence information using poll.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User2 subscribes to presence information from User1 using poll (Expires Header = 0). 3. User1 modifies the active presence information that has been published.
Pass-Criteria	2. UE2 displays the presence information published by User1. 3. UE2 does not display the updated presence information by User1.

5.1.1.14 Presence-1.0-int-0121 Anonymous Distribution Policy

Test Case Id	Presence-1.0-int-0121
Test Object	UEs with Presence Source, Presence Watcher and XDMC functionality, Presence Server, Presence XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document for User1 contains information about what presence information anonymous Users are allowed to see. User3 is allowed to see any of User1 presence information. o UE2 and UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has an active publication with all commonly supported mandatory Presence elements, some not allowed to be seen by anonymous users. o User2 has no active subscriptions. o User3 has no active subscriptions.
Test Procedure	1. User3 subscribes to Presence Information from User1 2. User2 subscribes as Anonymous to presence information from User1.
Pass-Criteria	1. UE3 displays all presence information from User1. 2. UE2 displays Presence information of User1 according to the rules for anonymous subscriptions set by User1.

5.1.1.15 Presence-1.0-int-0122 Default Policy

Test Case Id	Presence-1.0-int-0122
Test Object	UEs with Presence Source, Presence Watcher and XDMC functionality, Presence Server, Presence XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information about default policy authorizations for presence information belonging to User1. User3 is allowed to see any of User1 presence information. o UE2 and UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o The default policy contains less information than all commonly supported mandatory Presence elements. o User1 has an active publication with all commonly supported mandatory Presence elements. o User2 has no active subscriptions. o User3 has no active subscriptions.
Test Procedure	1. User3 subscribes to presence information from User1. 2. User2 subscribes to presence information from User1.
Pass-Criteria	1. UE3 displays Presence information of User1. 2. UE2 displays Presence information of User1 according to the default policy set by User1.

5.1.1.16 Presence-1.0-int-0123 Combining permissions on an ongoing subscription

Test Case Id	Presence-1.0-int-0123
Test Object	UEs with Presence Source, Presence Watcher and XDMC functionality, Presence Server, and Shared XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Presence XDMS o Shared XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 and User3, as members of a group stored in the Shared XDMS, are authorized to see any of the presence information belonging to User1. o UE2 and UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User1 has the ability of changing the content of its Presence Authorization Rules Document. o User2 has no active subscriptions. o User3 has no active subscriptions.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User2 and User3 subscribe to presence information from User1. 3. User1 updates the Authorization Rules Document in PS XDMS to block User2 (as a regular watcher) to see his presence. 4. User1 modifies the active presence information that has been published. 5. User1 updates the Authorization Rules Document in PS XDMS to remove the block, i.e. allow User2 (as a regular watcher) to see his presence.

	6. User1 modifies the active presence information that has been published.
Pass-Criteria	2. UE2 and UE3 display the presence information from User1. 4. UE3 displays the updated presence information from User1. UE2 displays that User1 is not available. 6. UE2 and UE3 display the updated presence information from User1.

5.1.1.17 Presence-1.0-int-0130 Publication of presence information, Watcher is blocked

Test Case Id	Presence-1.0-int-0130
Test Object	UE with presence source and presence Watcher functionality and XDMC, Presence Server, Presence XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is BLOCKED to see any of the presence information belonging to User1. o UE2 is capable of displaying presence information o User1 and User2 will have a set of commonly supported mandatory Presence elements o User1 has no active publications. o User2 has no active subscriptions.
Test Procedure	1. User1 Publishes presence information for all commonly supported mandatory Presence elements. 2. User2 subscribes to presence information from User1. 3. User1 updates the Authorization Rules Document in PS XDMS to allow User2 to see his presence. 4. User2 subscribes to presence information from User1.
Pass-Criteria	2. UE2 displays that User1 is not available. 4. UE2 displays the presence information published by User1

5.1.1.18 Presence-1.0-int-0140 Publication of presence information, Watcher is politely blocked

Test Case Id	Presence-1.0-int-0140
Test Object	UEs with presence source and presence Watcher functionality, Presence Server, Presence XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is POLITE BLOCKED to see any of the presence information belonging toUser1. o UE2 capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no active subscriptions.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User2 subscribes to presence information from User1.
Pass-Criteria	2. UE2 displays the presence information of User1 as unavailable and unwilling to communicate.

5.1.1.19 Presence-1.0-int-0141 Notification Filtering (Includes Optional Features)

Test Case Id	Presence-1.0-int-0141
Test Object	UEs with Presence Source and Presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 is capable of displaying presence information and setting a notification filter. o User1 and User2 have a set of commonly supported mandatory Presence elements. o User1 has an active publication with all commonly supported mandatory Presence elements. o User2 has no active subscriptions.
Test Procedure	1. User2 subscribes to presence information of User1 using a presence information filter for a subset of the commonly mandatory supported Presence elements.
Pass-Criteria	1. UE2 displays the resulting presence information according to the applied filter requested by User2.

5.1.1.20 Presence-1.0-int-0142 Event Notification Filtering (Includes Optional Features)

Test Case Id	Presence-1.0-int-0142
Test Object	UEs with Presence Source and Presence Watcher functionality with event notification filtering capabilities, Presence Server with event notification filtering capabilities.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 is capable of displaying presence information and setting a notification filter. o User1 and User2 have a set of commonly supported mandatory Presence elements. o User1 has no active publication. o User2 has an active subscription to User 1 with a defined presence information filter and a defined triggering filter.
Test Procedure	1. User1 publishes some presence information that does not activate the triggering filter defined by User2. 2. User1 publishes some presence information that activates the triggering filter defined by User2.
Pass-Criteria	1. UE2 does not display any presence information from User1. 2. UE2 displays the resulting presence information according to the applied presence information filter requested by User2.

5.1.2 Error Flow

5.1.2.1 Presence-1.0-int-0143 Publication of Presence information not supported by watcher

Test Case Id	Presence-1.0-int-0143
Test Object	UE with Presence Source and UE with Presence Watcher functionality, Presence Server.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2 is authorized to see any of the presence information belonging to User1. o UE2 capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. User1 also supports pidf extensions not defined in OMA. o User1 has no active publications o User2 has no active subscriptions for User1
Test Procedure	1. User2 subscribes to presence information from User1. 2. User1 publishes presence information for all his supported Presence elements.
Pass-Criteria	2. UE2 displays the commonly supported mandatory presence elements.

5.2 Resource List Test Cases

5.2.1 Normal Flow

5.2.1.1 Presence-1.0-int-0150 Subscription to a resource list

Test Case Id	Presence-1.0-int-0150
Test Object	UEs with Presence Source, Presence Watcher, Presence Server, RLS and RLS XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Resource List Server o Presence XDMS o RLS XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User3 is authorized to see any of the presence information belonging to User1 and User2. o A resource list is stored in RLS XDMS with URI's to User1 and User2. o UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no active publications. o User3 has no active subscriptions.
Test Procedure	1. User1 and User 2 publish presence information for all commonly supported mandatory Presence elements. 2. User3 subscribes to its resource list stored in RLS XDMS
Pass-Criteria	2. UE3 displays the presence information from User1 and User2.

5.2.1.2 Presence-1.0-int-0151 Adding a Presentity to an ongoing list subscription

Test Case Id	Presence-1.0-int-0151
Test Object	UEs with Presence Source, Presence Watcher functionality and XDMC, Presence Server, RLS and RLS XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Resource List Server o Presence XDMS o RLS XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User3 is authorized to see any of the presence information belonging to User1 and User2. o UE3 capable of displaying presence information. o User3 has the ability of adding user references to its Resource List stored in RLS XDMS. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no active publications. o User3 has an active subscription to a list, which contains a reference to User1.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. A reference to User2 is added to the resource list of which User3 has an active subscription. 3. User2 publishes presence information for all commonly supported mandatory Presence elements.
Pass-Criteria	1. UE3 displays the presence information published by User1. 3. UE3 displays the presence information published by User2.

5.2.1.3 Presence-1.0-int-0152 Subscription to shared lists

Test Case Id	Presence-1.0-int-0152
Test Object	UEs with Presence Source, Presence Watcher, Presence Server, Resource List Server, RLS XDMS and Shared XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Resource List Server o Presence XDMS o RLS XDMS o Shared XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User3 is authorized to see any of the presence information belonging to User1 and User2. o A resource list with a pointer to a group in the Shared XDMS is stored in RLS XDMS. This group in the Shared XDMS contains URI's to User1 and User2. o UE3 capable of displaying presence information. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no active publications. o User3 has no active subscriptions.
Test Procedure	1. User1 and User2 publish presence information for all commonly supported mandatory Presence elements. 2. User3 subscribes to its resource list stored in RLS XDMS
Pass-Criteria	2. UE3 displays the presence information from User1 and User2.

5.2.1.4 Presence-1.0-int-0153 Adding a Presentity to an ongoing shared list subscription

Test Case Id	Presence-1.0-int-0153
Test Object	UEs with Presence Source, Presence Watcher functionality and XDMC, Presence Server, RLS, RLS XDMS and Shared XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Resource List Server o Presence XDMS o RLS XDMS o Shared XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User3 is authorized to see any of the presence information belonging to User1 and User2. o UE3 capable of displaying presence information. o User3 has the ability of adding user references to its URI List stored in the Shared XDMS and referenced by its Resource List stored in RLS XDMS. o User1, User2 and User3 will have a set of commonly supported mandatory Presence elements. o User1 has no active publications. o User2 has no active publications. o User3 has an active subscription to a list, which contains a reference to User1.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. Users3 adds User2 to the URI list of which User3 has an active subscription. 3. User2 publishes presence information for all commonly supported mandatory Presence elements.

Pass-Criteria	1. UE3 displays the presence information published by User1. 3. UE3 displays the presence information published by User2.

5.2.1.5 Presence-1.0-int-0160 RLS Event notification filtering (Includes Optional Features)

Test Case Id	Presence-1.0-int-O-0160
Test Object	UEs with Presence Source and Presence Watcher functionality with event notification filtering capabilities, Presence Server with event notification filtering capabilities, RLS with event notification filtering capabilities.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test Code	N/A
Preconditions	• Equipment: o 3 UEs (with User1, User2 and User3 credentials) o Presence Server o Presence XDMS o RLS o RLS XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User3 is authorized to see any of the presence information belonging to User1 and User2. o UE3 is capable of displaying presence information and setting a notification filter. o User1, User2 and User3 have a set of commonly supported mandatory Presence elements. o User1 and User2 have no active publications. o User3 has no active subscriptions to User1 and User2. o A resource list for User3 is stored in RLS XDMS with URI's to User1 and User2.
Test Procedure	1. User3 subscribes to its resource list with a defined presence information filter and a defined triggering filter. 2. User1 publishes some presence information that does not activate the triggering filter defined by User3. 3. User2 publishes some presence information that activates the

	triggering filter defined by User3.
Pass-Criteria	1. UE3 does not display any presence information from User1 and User2. 2. UE3 does not display any presence information from User1 and User2. 3. UE3 displays the resulting presence information for User2 according to the applied presence information filter requested by User3.

5.2.2 Error Flow

Not Available

5.3 Watcher Information Subscriber Test Cases

5.3.1 Normal Flow

5.3.1.1 Presence-1.0-int-0200 Subscribe to Watcher Information

Test Case Id	Presence-1.0-int-0200
Test Object	UEs with Presence Source, Presence Watcher and Watcher Information Subscriber functionality, Presence Server
Test Case Description	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
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information thatUser2 is authorized to see any of the presence information belonging toUser1. o UE1 is capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has an active publication with all commonly supported mandatory Presence elements. o User2 has no active subscriptions for User1.
Test Procedure	1. User1 subscribes to Watcher Information Subscriber. 2. User2 subscribes to presence information from User1.
Pass-Criteria	2. UE1 displays that User2 has subscribed to User1's presence information. UE2 displays presence information published by User1.

5.3.1.2 Presence-1.0-int-0210 Publication of presence information, Watcher is pending

Test Case Id	Presence-1.0-int-0210
Test Object	UEs with Presence Source, Presence Watcher and Watcher Information Subscriber functionality, Presence Server, Presence XDMS.
Test Case Description	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.
Specification Reference	Refer to Appendix A
SCR Reference	Refer to Appendix A
Tool	N/A
Test code	N/A
Preconditions	• Equipment: o 2 UEs (with User1 and User2 credentials) o Presence Server o Presence XDMS o XDMC • Prerequisite for this test: o In the Presence XDMS, the Presence Authorization Rules document contains information that User2's policy is CONFIRM (reactive authorization) to see any of the presence information belonging toUser1. o UE2 is capable of displaying presence information. o User1 and User2 will have a set of commonly supported mandatory Presence elements. o User1 has the ability of changing the content of its Presence Authorization Rules Document. o User1 has no active publications. o User2 has no active subscriptions.
Test Procedure	1. User1 publishes presence information for all commonly supported mandatory Presence elements. 2. User1 subscribes to "Watcher Information Subscriber". 3. User2 subscribes to presence information from User1. 4. User1 updates the Authorization Rules Document in PS XDMS to allow User2 to see his presence.
Pass-Criteria	3. UE1 displays that User2 has requested to see his presence information. 4. UE2 displays the presence information from User1.

5.3.2 Error Flow

Not available.

Appendix A. SCR and Specification References

Test Case Number in ETS	SCR-reference	Spec (AD,CP,UP)-reference
Presence-1.0-int-0100 Presence-1.0-int-0101 Presence-1.0-int-0102 Presence-1.0-int-0103 Presence-1.0-int-0104 Presence-1.0-int-0105 Presence-1.0-int-0106 Presence-1.0-int-0111 Presence-1.0-int-0120 Presence-1.0-int-0122 Presence-1.0-int-0130 Presence-1.0-int-0143	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2 5.7
Presence-1.0-int-107	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O Presence_SIMPLE-XDMC-C-001:M Presence_SIMPLE-XDMC-C-002:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2 5.6 5.7
Presence-1.0-int-108 Presence-1.0-int-109 Presence-1.0-int-110	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2 5.6 5.7

	SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O	
Presence-1.0-int-121 Presence-1.0-int-122 Presence-1.0-int-123	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O Presence_SIMPLE-XDMC-C-001:M Presence_SIMPLE-XDMC-C-002:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2 5.6 5.7
Presence-1.0-int-140	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-PS-S-022:M SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2 5.7
Presence-1.0-int-141 Presence-1.0-int-142	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2

Presence-1.0-int-150	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-003:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O SIMPLE-RLS-S-001:M SIMPLE-RLS-S-002:M Presence_SIMPLE-RLSXDMS-S-001:M Presence_SIMPLE-RLSXDMS-S-002:O SIMPLE-RLS-C-001:M SIMPLE-RLS-C-002:M	[OMATSPRES]: 5.1.1 5.2.1 10.1 10.4 5.4 5.4.1 5.4.2 5.5 5.7 5.8
Presence-1.0-int-151 Presence-1.0-int-152 Presence-1.0-int-153	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-003:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O SIMPLE-RLS-S-001:M SIMPLE-RLS-S-002:M Presence_SIMPLE-RLSXDMS-S-001:M Presence_SIMPLE-RLSXDMS-S-002:O Presence_SIMPLE-XDMC-C-001:M Presence_SIMPLE-XDMC-C-002:O SIMPLE-RLS-C-001:M SIMPLE-RLS-C-002:M	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2 5.5 5.6 5.7 5.8
Presence-1.0-int-160	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.4 5.4.1 5.4.2 5.6

	SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O SIMPLE-RLS-S-001:M SIMPLE-RLS-S-002:M Presence_SIMPLE-RLSXDMS-S-001:M Presence_SIMPLE-RLSXDMS-S-002:O SIMPLE-RLS-C-001:M SIMPLE-RLS-C-002:M	5.7 5.8
Presence-1.0-int-200	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O SIMPLE-WIS-C-005:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.3 5.4 5.4.1 5.4.2 5.7
Presence-1.0-int-210	SIMPLE-SRC-C-001:M SIMPLE-SRC-C-002:M SIMPLE-SRC-C-003:M SIMPLE-SRC-C-010:M SIMPLE-SRC-C-011:O SIMPLE-PS-S-001:M SIMPLE-PS-S-002:M SIMPLE-PS-S-003:M SIMPLE-PS-S-004:M SIMPLE-PS-S-012:O SIMPLE-PS-S-013:O SIMPLE-WATCH-C-001:M SIMPLE-WATCH-C-002:M SIMPLE-WATCH-C-004:M SIMPLE-WATCH-C-007:O SIMPLE-WATCH-C-008:O Presence_SIMPLE-PresenceXDMS-S-001:M Presence_SIMPLE-PresenceXDMS-S-002:O SIMPLE-WIS-C-005:O Presence_SIMPLE-XDMC-C-001:M Presence_SIMPLE-XDMC-C-002:O	[OMATSPRES]: 5.1.1 10.1 10.4 5.2.1 5.3 5.4 5.4.1 5.4.2 5.6 5.7

Appendix B. Change History (Informative)

B.1 Approved Version History

Reference	Date	Description
OMA-ETS-Presence_SIMPLE-V1_0-20050729-A	16 Aug 2005	The ETS for the Presence SIMPLE enabler was split into three parts to adequately represent the Presence SIMPLE enabler. The present part represents the OMA-ETS-Presence_SIMPLE_INT part.
OMA-ETS-Presence_SIMPLE_INT-V1_0-20051220-A	20 Dec 2005	OMA-TP-2005-0398-Update-of-ETS-for-Presence-SIMPLE-1_0-INT approved through TP R&A