



Enabler Release Definition for OMA Presence SIMPLE

Candidate Version 1.1 – 28 Jan 2008

Open Mobile Alliance

OMA-ERELD-Presence_SIMPLE-V1_1-20080128-C

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1. Scope

The scope of this document is limited to the Enabler Release Definition of the Presence SIMPLE V1.1 enabler according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [IOPPROC] “OMA Interoperability Policy and Process”, Open Mobile Alliance™, OMA-ORG-IOP_Process-V1_5, <http://www.openmobilealliance.org/>
- [XSD_pidfOMA] “PRS - PIDF OMA Extensions version - 1.0”, Open Mobile Alliance™, OMA-SUP-XSD_prs_pidf_omapres-V1_0, <http://www.openmobilealliance.org/>
- [PRS_AC] “OMA Application Characteristics for SIMPLE Presence”, Version 1.0, Open Mobile Alliance™, OMA-SUP-AC_ap0002_presence-V1_0, <http://www.openmobilealliance.org/>.
- [PRS_MO] “OMA Management Object for SIMPLE Presence”, Version 1.1, Open Mobile Alliance™, OMA-TS-Presence_SIMPLE_MO-V1_1, <http://www.openmobilealliance.org/>.
- [XSD_presRules] “Presence SIMPLE – Presrules”, Version 1.0, Open Mobile Alliance™, OMA-SUP-XSD_prs_presrules-V1_0, URL: <http://www.openmobilealliance.org/>
- [PRS_Spec] “Presence SIMPLE Specification”, Open Mobile Alliance™, OMA-TS-Presence_SIMPLE-V1_1, Version 1.1, <http://www.openmobilealliance.org/>
- [PRS_XDM] “Presence SIMPLE XDM Specification”, Open Mobile Alliance™, OMA-TS-Presence_SIMPLE_XDM-V1_1, Version 1.1, <http://www.openmobilealliance.org/>
- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, <http://www.ietf.org/rfc/rfc2119.txt>
- [PRS_RLSXDM] “Resource List Server (RLS) XDM Specification”, Open Mobile Alliance™, OMA-TS-Presence_SIMPLE_RLS_XDM-V1_1, Version 1.1, <http://www.openmobilealliance.org/>
- [XDMER] “Enabler Release Definition for XML Document Management”, Open Mobile Alliance™, OMA-ERELD_XDM-V1_1, Version 1.1, <http://www.openmobilealliance.org/>

2.2 Informative References

- [PRS_AD] “Presence SIMPLE Architecture Document”, Open Mobile Alliance™, OMA-AD-Presence_SIMPLE-V1_1, Version 1.1, <http://www.openmobilealliance.org/>
- [PRS_RD] “Presence SIMPLE Requirements Document”, Open Mobile Alliance™, OMA-RD-Presence_SIMPLE-V1_1, Version 1.1, <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”, “Release Version Overview”, and “Conformance Requirements Notation Details” are normative, unless they are explicitly indicated to be informative.

Enabler Release	Collection of specifications that combined together form an enabler for a service area, e.g. a download enabler, a browsing enabler, a messaging enabler, a location enabler, etc. The specifications that are forming an enabler should combined fulfil a number of related market requirements.
Minimum Functionality Description	Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.
Presentity	A logical entity that has presence information associated with it.

3.2 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
SIMPLE	SIP for Instant Messaging and Presence Leveraging Extensions
SIP	Session Initiation Protocol
XDM	XML Document Management
XDMS	XML Document Management Server

4. Release Version Overview

4.1 Version 1.0 Functionality

The Presence SIMPLE enabler is a service that manages the collection and controlled dissemination of presence information.

The Presence Specification [PRS_Spec] defines a presence service framework consisting of the following functional entities:

- a Presence Source, which publishes presence information to be available to interested parties (Watchers);
- a Watcher, which subscribes to receive published presence information made available by Presence Sources;
- a Watcher Information Subscriber, which subscribes to receive information about Watchers;
- a Presence Server, which receives presence information from Presence Sources, makes presence information available to Watchers and watcher information available to Watcher Information Subscribers; and
- a Resource List Server, that provides Watchers with an efficient method of subscribing for presence information of multiple Presentities.

A Presentity may utilize the Presence XDMS [PRS_XDM] to define a presence authorization policy that affects the Watcher's view of the Presentity's presence information. The Presence Server receives the policy from the Presence XDMS and enforces it upon subscriptions received from Watchers.

A Watcher may utilize the RLS XDMS [PRS_RLSXDM] to define lists of Presentities, which provide the Watcher with an efficient method to subscribe for presence information.

4.2 Version 1.1 Functionality

This version of the Presence SIMPLE enabler references the XDM V1.1 enabler [XDMER], due to the OMA recommendation that implementations not use the XDM V1.0 enabler. This means that there is no SIP subscription/notification mechanism by which Principals (e.g. Presence Server, Resource List Server, Presentities, etc.) can be notified of changes to XML documents stored in the Presence XDMS, RLS XDMS, or Shared XDMS.

NOTE: The Presence SIMPLE V1.1 Enabler Release is intended to obsolete V1.0. It is therefore recommended that implementations not use the Presence SIMPLE V1.0 Enabler Release.

5. Document Listing for Presence SIMPLE

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[PRS_RD]	OMA-RD-Presence_SIMPLE-V1_1-20080128-C	Requirement Document for Presence SIMPLE Enabler
Architecture Document		
[PRS_AD]	OMA-AD-Presence_SIMPLE-V1_1-20080128-C	Architecture Document for Presence SIMPLE Enabler
Technical Specifications		
[PRS_Spec]	OMA-TS-Presence_SIMPLE-V1_1-20080128-C	Specification that defines an application level specification for the OMA SIP/SIMPLE-based Presence Service.
[PRS_XDM]	OMA-TS-Presence_SIMPLE_XDM-V1_1-20080128-C	This specification describes the structure of a particular type of XML document used for watcher authorisation in the Presence service
[PRS_RLSXDM]	OMA-TS-Presence_SIMPLE_RLS_XDM-V1_1-20080128-C	The RLS XDMS is the repository for XML documents that define services which are associated with a list of resources.
[PRS_MO]	OMA-TS-Presence_SIMPLE_MO-V1_1-20080128-C	This document defines the OMA Presence SIMPLE Management Object (MO).
Supporting Files		
[XSD_pidfOMA]	OMA-SUP-XSD_prs_pidf_omapres-V1_0_2-20080128-C	Schema with attributes for PIDF extensions. Working file in schema directory: file: prs_pidf_omapres-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/
[XSD_presRules]	OMA-SUP-XSD_prs_presrules-V1_0_1-20080128-C	Schema with attributes for Application Usage. Working file in schema directory: file: prs_presrules-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/
[PRS_AC]	OMA-SUP-AC_ap0002_presence-V1_0_2-20080128-C	Application characteristics. Working file in AC directory: file: ac_ap0002_presence-v1_0.txt path: http://www.openmobilealliance.org/tech/omna/dm-ac/

Table 1: Listing of Documents in Presence SIMPLE Enabler

6. Conformance Requirements Notation Details

This section is informative

The tables in following chapters use the following notation:

- Item:** Entry in this column MUST be a valid ScrItem according to [IOPPROC].
- Feature/Application:** Entry in this column SHOULD be a short descriptive label to the **Item** in question.
- Status:** Entry in this column MUST accurately reflect the architectural status of the **Item** in question.

- M means the **Item** is mandatory for the class
- O means the **Item** is optional for the class
- NA means the **Item** is not applicable for the class

Requirement: Expression in the column **MUST** be a valid TerminalExpression according to [IOPPROC] and it **MUST** accurately reflect the architectural requirement of the **Item** in question.

7. ERDEF for Presence – Client Requirements

This section is normative.

The Presence SIMPLE consists of two clients: a Presence Source, and a Presence Watcher. The requirements for each are listed in the following sections.

7.1 Presence Source Requirements

Item	Feature/Application	Status	Requirement
ERDEF-SRC-C-001	Publish Presence Information	M	PSSPEC-SRC:MCF
ERDEF-SRC-C-002	Define Presence Policies	O	PXDMSPEC-XDM-UA:MCF

Table 2 ERDEF for Presence Source Requirements

7.2 Presence Watcher Requirements

Item	Feature/Application	Status	Requirement
ERDEF-PW-C-001	Subscribe for, and receive notifications of, Presence Information	M	PSSPEC-SIMPLE-WATCH:MCF

Table 3 ERDEF for Presence Watcher Requirements

8. ERDEF for Presence – Server Requirements

This section is normative.

The Presence SIMPLE Enabler consists of two servers: a Presence Server and a Resource List Server. The following sections define the requirements for each of these two servers.

8.1 Presence Server (PS) Requirements

Item	Feature/Application	Status	Requirement
ERDEF-PS-001	Receive and Publish Presence Information	M	PSSPEC-PS:MSF
ERDEF-PS-002	Retrieve and Assert Presence Policies	M	PSSPEC-PS:MSF

Table 4 ERDEF for PS Requirements

8.2 Resource List Server (RLS) Requirements

Item	Feature/Application	Status	Requirement
ERDEF-RLS-001	Resource List Subscriptions and Notifications	M	PSSPEC-RLS:MSF AND RXDMSPEC-AU:MSF

Table 5 ERDEF for RLS Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELD-Presence_SIMPLE-V1_0-20060725-A	25 Jul 2006	TP approved: OMA-TP-2006-0223R04-INP_Presence_SIMPLE_V1_0_for_final_approval
OMA-ERELD-Presence_SIMPLE-V1_0_1-20061128-A	28 Nov 2006	Date strings updated in section 6. Class 2 and 3 CRs agreed against: OMA-AD-Presence_SIMPLE-V1_0_1 OMA-ERELD-Presence_SIMPLE-V1_0_1 OMA-TS-Presence_SIMPLE-V1_0_1 OMA-TS-Presence_SIMPLE_XDM-V1_0_1 OMA-TS-Presence_SIMPLE_RLS_XDM-V1_0_1 OMA-TS-Presence_SIMPLE_MO_V1_0_1 OMA-SUP-AC_ap0002_presence-V1_0_1 OMA-SUP-XSD_prs_pidf_omapres-V1_0_1

A.2 Draft/Candidate Version 1.1 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELD-Presence_SIMPLE-V1_1	24 Aug 2007	n/a	Baseline prepared based on the Presence 1.0 ERELD, with the following modifications; updating references and brief description of differences between Presence 1.1 and Presence 1.0 (ref # OMA-PAG-2007-0454R01-INP_PRS_1.1_ERELED)
	30 Aug 2007	2, 6	Editorial corrections of PD references
	27 Nov 2007	6	Incorporated CR: OMA-PAG-2007-0712R01
	12 Dec 2007	All	Editorial changes
	13 Dec 2007	6	Updated date of PRS TS
	02 Jan 2008	4	Applying new template
	08 Jan 2008	Various	Editorial changes, including comments received on PAG reflector
Candidate Versions OMA-ERELD-Presence_SIMPLE-V1_1	28 Jan 2008	n/a	Status changed to Candidate by TP TP ref # OMA-TP-2007-0506R02- INP_Presence_Simple_V1_1_for_Candidate_approval