Enabler Release Definition for OMA Presence SIMPLE

Historic Version 1.0.1 – 28 Nov 2006

Open Mobile Alliance

OMA-ERELD-Presence_SIMPLE-V1_0_1-20061128-H

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1. Scope

The scope of this document is limited to the Enabler Release Definition of the OMA Presence SIMPLE 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-IOP-Process-V1_3, Version 1.3, 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
[PIDFOMAEXT]	"PRS - PIDF OMA Extensions version - 1.0", Open Mobile Alliance™, OMA-SUP-XSD_prs_pidf_omapres-V1_0_1, http://www.openmobilealliance.org/
[PRESAC]	"OMA Application Characteristics for SIMPLE Presence", Version 1.0, Open Mobile Alliance™, OMA-SUP-AC_ap0002_presence-V1_0_1, http://www.openmobilealliance.org/.
[PRESMO]	"OMA Management Object for SIMPLE Presence", Version 1.0, Open Mobile Alliance™, OMA-TS-Presence_SIMPLE_MO-V1_0, http://www.openmobilealliance.org/.
[PRESRULES]	"Presence SIMPLE – Presrules", Version 1.0, Open Mobile Alliance™, OMA-SUP-XSD_prs_presrules-V1_0, URL: http://www.openmobilealliance.org/
[PSSPEC]	"Presence SIMPLE Specification", Open Mobile Alliance™ , OMA-TS-Presence_SIMPLE-V1_0, Version 1.0, http://www.openmobilealliance.org/
[PXDMSPEC]	"Presence SIMPLE XDM Specification", Open Mobile Alliance™ , OMA-TS-Presence_SIMPLE_XDM-V1_0, Version 1.0, http://www.openmobilealliance.org/
[RXDMSPEC]	"Resource List Server (RLS) XDM Specification", Open Mobile Alliance™ , OMA-TS-Presence_SIMPLE_RLS_XDM-V1_0, Version 1.0, http://www.openmobilealliance.org/
[XDMER]	"Enabler Release Definition for XML Document Management", Open Mobile Alliance™ , OMA-ERELD_XDM-V1_0, Version 1.0, http://www.openmobilealliance.org/

2.2 Informative References

[PSREQ]	"Presence SIMPLE Requirements Document", Open Mobile Alliance™ , OMA-RD-Presence_SIMPLE-V1_0, Version 1.0, http://www.openmobilealliance.org/
[PSAD]	"Presence SIMPLE Architecture Document", Open Mobile Alliance™ , OMA-AD-Presence_SIMPLE-V1_0, Version 1.0, 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" and "Introduction", 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.

3.2 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
SIMPLE	SIP-Based Instant Messaging Protocol

4. Introduction

This document outlines the Enabler Release Definition for OMA Presence SIMPLE and the respective conformance requirements for clients and servers claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

The OMA Presence SIMPLE Enabler is a service that manages the collection and controlled dissemination of presence information over mobile networks.

5. Description of Differences from Previous Version

There are no previous versions

6. Document Listing for Presence SIMPLE

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[PSREQ]	OMA-RD-Presence_SIMPLE-V1_0-20060725-A	Requirement Document for Presence SIMPLE Enabler
Architecture Document		
[PSAD]	OMA-AD-Presence_SIMPLE-V1_0_1-20061128-A.	Architecture Document for Presence SIMPLE Enabler
Technical Specifications		
[PSSPEC]	OMA-TS-Presence_SIMPLE-V1_0_1-20061128-A	Specification that defines an application level specification for the OMA SIP/SIMPLE-based Presence Service.
[PXDMSPEC]	OMA-TS-Presence_SIMPLE_XDM-V1_0_1-20061128-A-C	This specification describes the structure of a particular type of XML document used for watcher authorisation in the Presence service
[RXDMSPEC]	OMA-TS-Presence_SIMPLE_RLS_XDM-V1_0_1-20061128-A	The RLS XDMS is the repository for XML documents that define services which are associated with a list of resources.
[PRESMO]	OMA-TS-Presence_SIMPLE_MO-V1_0_1-20061128-A	This document defines the OMA Presence SIMPLE Management Object (MO).
Supporting Files		
[PIDFOMAEXT]	OMA-SUP-XSD_prs_pidf_omapres-V1_0_1-20061128-A	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/
[PRESRULES]	OMA-SUP-XSD_prs_presrules-V1_0-20060725-A	Schema with attributes for Application Usage. Working file in schema directory: file: prs_presrules-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/
[PRESAC]	OMA-SUP-AC_ap0002_presence-V1_0_1-20061128-A	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

7. Minimum Functionality Description for Presence SIMPLE

This section is informative.

The Presence Specification [PSSPEC] defines a client and server framework consisting of the following clients:

- a Presence Source, who, through a Presence Server, publishes presence information to be available to interested parties (watchers);

- a Presence Watcher, who subscribes to receive published presence information made available by Presence Sources;

and, the following servers:

- a Presence Server, that receives presence information from Presence Sources and makes that information available to Presence Watchers; and,

- a Resource List Server, that provides Presence Watchers with an efficient method of subscribing for presence information of multiple Presentities.

A Presence Source may utilize the Presence XDM [PXDMSPEC] to define policies that effect the Presence Watcher's view of the Presence Source's presence information. The Presence Server receives these policies from the XDM Enabler to asserts them upon subscriptions received from Presence Watchers.

A Presence Watcher may utilize the RLS XDM [RXDMSPEC] to define groups of Presence Sources and share these groups with the Resource List Server when subscribing for Presence Information. Groups provide Presence Watchers with an efficient method to subscribe for presence information.

8. 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.

9. 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.

9.1 Presence Source Requirements

Item	Feature/Application	Status	Requirement
ERDEF-SRC-C-001	Publish Presence Information	M	PSSPEC-SRC:MCF

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

Table 2 ERDEF for Presence Source Requirements

9.2 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

10. 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.

10.1 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

10.2 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
	29 Feb 2008	Status changed to historic OMA-TP-2008-0100R03-INP_Presence_SIMPLE_1_0_Historical