



Enabler Release Definition for OMA Presence SIMPLE

Candidate Version 1.0 – 17 Mar 2005

Open Mobile Alliance

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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_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>
- [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. Enabler Release Specification Baseline

This section is normative.

[PSREQ]	OMA-RD-Presence_SIMPLE-V1_0
[PSAD]	OMA-AD-Presence_SIMPLE-V1_0
[PSSPEC]	OMA-TS-Presence_SIMPLE-V1_0
[PXDMSPEC]	OMA-TS-Presence_SIMPLE_XDM-V1_0
[RXDMSPEC]	OMA-TS-Presence_SIMPLE_RLS_XDM-V1_0

6. 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.

7. 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. <ul style="list-style-type: none"> • 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.

8. 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.

8.1 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 1 ERDEF for Presence Source Requirements

8.2 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 2 ERDEF for Presence Watcher Requirements

9. 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.

9.1 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 3 ERDEF for PS Requirements

9.2 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 4 ERDEF for RLS Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version

A.2 Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions	17 Nov 2005	All	Initial Version
OMA-ERELED-Presence-V1_0_0	01 Feb 2005	All	Editorial updates from Consistency Review.
Candidate Versions	17 Mar 2005		Status changed to Candidate by TP
OMA-ERELED_Presence_SIMPLE-V1_0		AD and RD	TP ref# OMA-TP-2005-0093R01-Presence-SIMPLE-V1_0-for-Candidate-approval CR TP-2005-0096 implemented.