Enabler Release Definition for OMA Presence SIMPLE

Candidate Version 1.0 – 22 Nov 2005

Open Mobile Alliance

OMA-ERELD-Presence_SIMPLE-V1_0-20051122-C

Contents

Tables

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.

- 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 OMA-ERELD-Presence-V1_0_0	17 Nov 2004	All	Initial Version
	01 Feb 2005	All	Editorial updates from Consistency Review.
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	17 Mar 2005	 AD and RD	Status changed to Candidate by TP TP ref# OMA-TP-2005-0093R01-Presence-SIMPLE-V1_0-for-Candidate-approval CR TP-2005-0096 implemented.
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	15 Apr 2005	AD SIMPLE SIMPLE XDM RLS XDM	Implemented CR 2005-0288R02 Implemented CR 2005-0289R01 Implemented CR 2005-0195R01 and 0294R01 Implemented CR 2005-0194R01
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	27 Apr 2005	SIMPLE	Implemented CR 2005-0301
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	24 May 2005	RD RLS XDM SIMPLE	Implemented CR 2005-0314 Implemented CR 2005-0328 Implemented CR 2005-0306R3 and -0307R1
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	14 Jun 2005	RLS XDM SIMPLE	Implemented CR 2005-0372 Implemented CR 2005-0339R01
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	21 Jun 2005	SIMPLE	Implemented CR 2005-0329R02
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	28 Jun 2005	SIMPLE XDM RLS XDM	Implemented CR 2005-0356 Implemented CR 2005-0365 Implemented CR 2005-0342R02 Implemented CR 2005-0366

Document Identifier	Date	Sections	Description
Candidate Versions OMA-ERELD_Presence_SIMPLE-V1_0	06 Oct 2005	AD	Implemented CR 2005-0436 Implemented CR 2005-0428 Implemented CR 2005-0414R01 Implemented CR 2005-0473 Implemented CR 2005-0496
		RD	Implemented CR 2005-0485 Implemented CR 2005-0487
		SIMPLE	Implemented CR 2005-0403 Implemented CR 2005-0404 Implemented CR 2005-0413R01 Implemented CR 2005-0430 Implemented CR 2005-0410R03 Implemented CR 2005-0464R02 Implemented CR 2005-0470 Implemented CR 2005-0474 Implemented CR 2005-0484R01 Implemented CR 2005-0479R01 Implemented CR 2005-0486 Implemented CR 2005-0488 Implemented CR 2005-0499 Implemented CR 2005-0394R07 Implemented CR 2005-0468R03 Implemented CR 2005-0506R01 Implemented CR 2005-0509 Implemented CR 2005-0451R01 Implemented CR 2005-0524R01 Implemented CR 2005-0512
		XDM	Implemented CR 2005-426 Implemented CR 2005-0462 Implemented CR 2005-0480 Implemented CR 2005-0412R04 Implemented CR 2005-0501 Implemented CR 2005-0495R01
		RLS XDM	Implemented CR 2005-0483 Implemented CR 2005-0489
OMA-ERELD_Presence_SIMPLE-V1_0	03 Nov 2005	SIMPLE	Implementation of 2005-0521 Implementation of 2005-0515R01 Implementation of 2005-0520 Implementation of 2005-0526 Implementation of 2005-0534R02 Implementation of 2005-0517R03 Implementation of 2005-0504R03 Implementation of 2005-0547R01 Implementation of 2005-0546R01
OMA-ERELD_Presence_SIMPLE-V1_0	22 Nov 2005	SIMPLE	Implementation of 2005-0548R02 Implementation of 2005-0574 Implementation of 2005-0571R01 Implementation of 2005-0590 Implementation of 2005-0591 Implementation of 2005-0592 Implementation of 2005-0593
		XDM	Incorporated CR OMA-PAG-0565
		RLS XDM	Incorporate OMA-PAG-2005-0564