



# **Enabler Release Definition for OMA Presence SIMPLE**

Candidate Version 1.0 – 10 Jan 2006

---

**Open Mobile Alliance**  
OMA-ERELED-Presence\_SIMPLE-V1\_0-20060110-C

Use of this document is subject to all of the terms and conditions of the Use Agreement located at <http://www.openmobilealliance.org/UseAgreement.html>.

Unless this document is clearly designated as an approved specification, this document is a work in process, is not an approved Open Mobile Alliance™ specification, and is subject to revision or removal without notice.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. Information contained in this document may be used, at your sole risk, for any purposes. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance. The Open Mobile Alliance authorizes you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services. The Open Mobile Alliance assumes no responsibility for errors or omissions in this document.

Each Open Mobile Alliance member has agreed to use reasonable endeavors to inform the Open Mobile Alliance in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. However, the members do not have an obligation to conduct IPR searches. The declared Essential IPR is publicly available to members and non-members of the Open Mobile Alliance and may be found on the “OMA IPR Declarations” list at <http://www.openmobilealliance.org/ipr.html>. The Open Mobile Alliance has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions. Defined terms above are set forth in the schedule to the Open Mobile Alliance Application Form.

NO REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS OR IMPLIED) ARE MADE BY THE OPEN MOBILE ALLIANCE OR ANY OPEN MOBILE ALLIANCE MEMBER OR ITS AFFILIATES REGARDING ANY OF THE IPR'S REPRESENTED ON THE “OMA IPR DECLARATIONS” LIST, INCLUDING, BUT NOT LIMITED TO THE ACCURACY, COMPLETENESS, VALIDITY OR RELEVANCE OF THE INFORMATION OR WHETHER OR NOT SUCH RIGHTS ARE ESSENTIAL OR NON-ESSENTIAL.

THE OPEN MOBILE ALLIANCE IS NOT LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF DOCUMENTS AND THE INFORMATION CONTAINED IN THE DOCUMENTS.

© 2006 Open Mobile Alliance Ltd. All Rights Reserved.

Used with the permission of the Open Mobile Alliance Ltd. under the terms set forth above.

# Contents

1. SCOPE .....	4
2. REFERENCES .....	5
2.1 NORMATIVE REFERENCES.....	5
2.2 INFORMATIVE REFERENCES.....	5
3. TERMINOLOGY AND CONVENTIONS .....	6
3.1 CONVENTIONS.....	6
3.2 ABBREVIATIONS .....	6
4. INTRODUCTION .....	7
5. DESCRIPTION OF DIFFERENCES FROM PREVIOUS VERSION .....	8
6. DOCUMENT LISTING FOR PRESENCE SIMPLE .....	9
7. MINIMUM FUNCTIONALITY DESCRIPTION FOR PRESENCE SIMPLE .....	10
8. CONFORMANCE REQUIREMENTS NOTATION DETAILS .....	10
9. ERDEF FOR PRESENCE - CLIENT REQUIREMENTS .....	10
9.1 PRESENCE SOURCE REQUIREMENTS.....	11
9.2 PRESENCE WATCHER REQUIREMENTS .....	11
10. ERDEF FOR PRESENCE - SERVER REQUIREMENTS .....	11
10.1 PRESENCE SERVER (PS) REQUIREMENTS .....	11
10.2 RESOURCE LIST SERVER (RLS) REQUIREMENTS.....	11
APPENDIX A. CHANGE HISTORY (INFORMATIVE).....	12
A.1 APPROVED VERSION HISTORY .....	12
A.2 CANDIDATE VERSION 1.0 HISTORY.....	12

## Tables

Table 1: Listing of documents in Presence SIMPLE Enabler .....	9
Table 2: ERDEF for Presence Source Requirements .....	11
Table 3: ERDEF for Presence Watcher Requirements .....	11
Table 4: ERDEF for PS Requirements .....	11
Table 5: ERDEF for RLS Requirements .....	11

# 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 6.

## 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-ERELED\_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.

<b>Enabler Release</b>	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.
<b>Minimum Functionality Description</b>	Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

### 3.2 Abbreviations

<b>ERDEF</b>	Enabler Requirement Definition
<b>ERELD</b>	Enabler Release Definition
<b>OMA</b>	Open Mobile Alliance
<b>SIMPLE</b>	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

None. No previous version.



## 6. Document Listing for Presence SIMPLE

This section is normative.

Doc Ref	Permanent Document Reference	Description
<b>Requirement Document</b>		
[PSREQ]	OMA-RD-Presence_SIMPLE-V1_0-20051006-C	Requirement Document for Presence SIMPLE Enabler
<b>Architecture Document</b>		
[PSAD]	OMA-AD-Presence_SIMPLE-V1_0-20060110-C	Architecture Document for Presence SIMPLE Enabler
<b>Technical Specifications</b>		
[PSSPEC]	OMA-TS-Presence_SIMPLE-V1_0-20060110-C	This document provides the specifications for the Presence Service enabler based on the IETF SIMPLE (SIP Instant Messaging and Presence Leveraging Extensions) technology.
[PXDMSPEC]	OMA-TS-Presence_SIMPLE_XDM-V1_0-20060110-C	This specification describes the Presence XDMS specific data formats and XCAP application usages.
[RXDMSPEC]	OMA-TS-Presence_SIMPLE_RLS_XDM-V1_0-20060110-C	This specification describes the Resource List Server XDMS (RLS XDMS) specific data formats and XCAP application usages.
<b>Supporting Files</b>		
N/A		

**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
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
n/a	n/a	No prior version

### A.2 Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-EREELD-Presence-V1_0_0	17 Nov 2004	All	Initial Version
	01 Feb 2005	All	Editorial updates from Consistency Review.
Candidate Versions OMA-EREELD_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-EREELD_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-EREELD_Presence_SIMPLE-V1_0	27 Apr 2005	SIMPLE	Implemented CR 2005-0301
Candidate Versions OMA-EREELD_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-EREELD_Presence_SIMPLE-V1_0	14 Jun 2005	RLS XDM SIMPLE	Implemented CR 2005-0372 Implemented CR 2005-0339R01
Candidate Versions OMA-EREELD_Presence_SIMPLE-V1_0	21 Jun 2005	SIMPLE	Implemented CR 2005-0329R02
Candidate Versions OMA-EREELD_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



