



Reference Release Definition for Presence SIMPLE Data Extensions

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Open Mobile Alliance
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1. Scope

The scope of this document is limited to the Reference Release Definition of the Presence SIMPLE Data Extensions (PDE) version 1.4 according to OMA Release process and the Reference Release document baseline listed in section 5.

2. References

2.1 Normative References

[PAL_RD]	“Presence Access Layer Requirements”, Open Mobile Alliance™, OMA-RD-PAL-V1_0, URL:http://www.openmobilealliance.org/
[PDE_DDS_PAL_V1_0]	“Presence Access Layer Data Specification”, Version 1.0, Open Mobile Alliance™, OMA-DDS-PAL_Data_Ext_V1_0, URL:http://www.openmobilealliance.org/
[PDE_DDS_V2_3]	“Presence SIMPLE Data Specification”, Version 2.3, Open Mobile Alliance™, OMA-DDS-Presence_Data_Ext-V2_3, URL:http://www.openmobilealliance.org/
[PRS_DDS-V1_0]	“Presence SIMPLE Data Specification”, Version 1.0, Open Mobile Alliance™, OMA-DDS-Presence_SIMPLE-V1_0, URL:http://www.openmobilealliance.org/
[PRS_ERP]	“Presence SIMPLE”, Version 2.0, Open Mobile Alliance™, OMA-ERP-Presence_SIMPLE-V2_0, URL:http://www.openmobilealliance.org/
[PRS_RD]	“Presence SIMPLE Requirements”, Version 2.0, Open Mobile Alliance™, OMA-RD-Presence_SIMPLE-V2_0, URL:http://www.openmobilealliance.org/
[RFC2119]	“Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, URL:http://www.ietf.org/rfc/rfc2119.txt
[XML_prHasOptedInForService]	“PDE – PAL Rule hasOptedInForService”, Version 1.0, Open Mobile Alliance™, OMA-SUP-XML_pde_prHasOptedInForService-V1_0, URL:http://www.openmobilealliance.org/
[XML_prIsAvailable]	“PDE – PAL Rule isAvailable”, Version 1.0, Open Mobile Alliance™, OMA-SUP-XML_pde_prIsAvailable-V1_0, URL:http://www.openmobilealliance.org/
[XML_prIsContactable]	“PDE – PAL Rule isContactable”, Version 1.0, Open Mobile Alliance™, OMA-SUP-XML_pde_prIsContactable-V1_0, URL:http://www.openmobilealliance.org/
[XSD_palBasePolicy]	“PDE – PAL Policy Definitions”, Version 1.0, Open Mobile Alliance™, OMA-SUP-XSD_pde_palBasePolicy-V1_0, URL:http://www.openmobilealliance.org/
[XSD_pidfExt_V1_0]	“PDE - PIDF Extensions”, Version 1.0, Open Mobile Alliance™, OMA-SUP-XSD_pde_pidf_ext-V1_0, URL:http://www.openmobilealliance.org/
[XSD_pidfExt_V1_1]	“PDE - PIDF Extensions”, Version 1.1, Open Mobile Alliance™, OMA-SUP-XSD_pde_pidf_ext-V1_1, URL:http://www.openmobilealliance.org/
[XSD_pidfExt_V1_2]	“PDE - PIDF Extensions”, Version 1.2, Open Mobile Alliance™, OMA-SUP-XSD_pde_pidf_ext-V1_2, URL:http://www.openmobilealliance.org/
[XSD_pidfOMA_V1_0]	“PIDF OMA Extensions”, Version 1.0, Open Mobile Alliance™, OMA-SUP-XSD_prs_pidf_omapres-V1_0, URL:http://www.openmobilealliance.org/
[XSD_pidfOMA_V1_1]	“PIDF OMA Extensions”, Version 1.1, Open Mobile Alliance™, OMA-SUP-XSD_prs_pidf_omapres-V1_1, URL:http://www.openmobilealliance.org/

2.2 Informative References

[OMADICT]	“Dictionary for OMA Specifications”, Version x.y, Open Mobile Alliance™, OMA-ORG-Dictionary-Vx_y, URL:http://www.openmobilealliance.org/
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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 “Release Version Overview” are normative, unless they are explicitly indicated to be informative.

3.2 Definitions

PAL Policy	Use definition from [PAL_RD].
PAL Rule	Use definition from [PAL_RD].
Presence Data Model	Use definition from [PDE_DDS_V2_3].
Presence Information	Use definition from [PRS_RD].
Presence Information Element	Use definition from [PRS_RD].
Reference Release	A set of specifications and/or white papers which form a formal deliverable of OMA. The release can be referenced or otherwise used to support implementable enabler releases, but it cannot by itself be implemented in products.
Reference Release Definition	A definition of the documents that are included in a Reference Release.

3.3 Abbreviations

IETF	Internet Engineering Task Force
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
PAL	Presence Access Layer
PDE	Presence SIMPLE Data Extensions
PIDF	Presence Information Data Format
RRELD	Reference Release Definition
SIMPLE	SIP for Instant Messaging and Presence Leveraging Extensions

4. Release Version Overview

The OMA Presence SIMPLE enabler [PRS_ERP] includes definitions of the mapping of Presence Information to the Presence Data Model components and also to specific elements of PIDF or one of its IETF extensions [PRS_DDS-V1_0]. In case such a mapping is not possible because elements with similar semantics have not been defined in IETF, then OMA-specific extensions to PIDF are defined.

This Reference Release defines further Presence Information extensions and their mapping to the presence data model components and PIDF extensions either defined in IETF or OMA.

4.1 Version 1.0 Functionality

This version of the Reference Release specifies new Presence Information Elements (e.g. Application-specific media capabilities, Application-specific session information for automatic or manual answer mode) and it recommends using certain set of Presence Information for some commonly known communication means or services.

4.2 Version 1.1 Functionality

This version of the Reference Release specifies a new Presence Information Element (i.e. labelled link).

4.3 Version 1.2 Functionality

This version of the Reference Release incorporates the concepts defined in the PAL 1.0 enabler (e.g., Presence Aspect).

4.4 Version 1.3 Functionality

This version of the Reference Release incorporates enhancements to the Presence Data Model to model a collection of presence aware services (i.e. a service suite).

4.5 Version 1.4 Functionality

This version of the Reference Release incorporates enhancements to the Presence Data Model to support the application identifiers (associated with a Service-Id), recommendations on handling tuples for multi-device cases (optimizations on the presence composition rules for tuples coming from multiple devices, handling of the device identifier) and data extensions for the Immerse Social Center (ISC) Enabler.

5. Document Listing for Presence Data Elements

This section is normative.

Doc Ref	Permanent Document Reference	Description
Data Definition Specification		
[PDE_DDS_V2_3]	OMA-DDS-Presence_Data_Ext-V2_3-20151222-A	Presence SIMPLE Data Specification
Supporting Files		
[XSD_pidfExt_V1_2]	OMA-SUP-XSD_pde_pidf_ext-V1_2-20151222-A	Schema with attributes for PIDF extensions Working file in schema directory: file: pde_pidf_ext-v1_2.xsd path: http://www.openmobilealliance.org/tech/profiles/
[XSD_pidfOMA_V1_0_3]	OMA-SUP-XSD_prs_pidf_omapres-V1_0_3-20090929-A	Schema with attributes for PIDF extensions. Working file in schema directory: file: prs_pidf_omapres-v1_1.xsd path: http://www.openmobilealliance.org/tech/profiles/

Table 1: Listing of documents in OMA Presence SIMPLE Data Extensions Reference Release

6. OMNA Considerations

The Presence Data Model has been extended to support the definition of a service suite as described in [PDE_DDS_V2_3]. Similarly, the OMNA registry must also support presence <service-description> assignments for a collection of presence aware services.

7. API Considerations

N/A

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-RRELD-PDE-V1_1-20100720-A	20 Jul 2010	Status changed to Approved by TP TP Ref # OMA-TP-2010-0286-INP_PDE_V1_1_RRP_for_Final_Approval
OMA-RRELD-PDE-V1_2-20110301-A	01 Mar 2011	Status changed to Approved by TP TP Ref # OMA-TP-2011-0071-INP_PDE_V1_2_RRP_for_final_Approval
OMA-RRELD-PDE-V1_3-20111101-A	01 Nov 2011	Status changed to Approved by TP TP Ref # OMA-TP-2011-0372-INP_PDE_V1_3_RRP_for_Final_Approval
OMA-RRELD-PDE-V1_4-20151222-A	22 Dec 2015	Status changed to Approved by TP TP Ref # OMA-TP-2015-0222-INP_PDE_V1_4_RRP_for_final_Approval