# Reference Release Definition for

# Presence SIMPLE Data Extensions

Candidate Version 1.3 – 26 Apr 2011

**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 1.3 according to OMA Release process and the Reference Release document baseline listed in section 5.

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# 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_2]** "Presence SIMPLE Data Specification", Version 2.1, Open Mobile Alliance™, OMA-DDS-Presence_Data_Ext-V2_2, 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-V1_1]** "Presence SIMPLE", Version 1.1, Open Mobile Alliance™, OMA-ERP-Presence_SIMPLE-V1_1, 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_pidfOMA]** "PIDF OMA Extensions", Version 1.0, Open Mobile Alliance™, OMA-SUP-XSD_prs_pidf_omapres-V1_0, URL: http://www.openmobilealliance.org/


## 2.2 Informative References


**[OMADICT]** "Dictionary for OMA Specifications", Version 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_7, 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_2]. |
| **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 |

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# 4. Release Version Overview

The OMA Presence SIMPLE enabler [PRS_ERP-V1_1] 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).

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# 5. Document Listing for OMA Presence SIMPLE Data Extensions

This section is normative.

| Doc Ref | Permanent Document Reference | Description |
|---|---|---|
| **Requirement Document** | | |
| N/A | N/A | N/A |
| **Data Specification** | | |
| [PDE_DDS_V2_2] | OMA-DDS-Presence_Data_Ext-V2_2-20110426-C | Presence SIMPLE Data Specification |
| [PDE_DDS_PAL_V1_0] | OMA-DDS-PAL_Data_Ext-V1_1-20110426-C | Presence Access Layer Data Specification |
| **Supporting Files** | | |
| [XSD_pidfExt_V1_1] | OMA-SUP-XSD_pde_pidf_ext-V1_1-20100720-A | Schema with attributes for PIDF extensions<br>Working file in schema directory:<br>file: pde_pidf_ext-v1_1.xsd<br>path: http://www.openmobilealliance.org/tech/profiles/ |
| [XSD_pidfExt_V1_0] | OMA-SUP-XSD_pde_pidf_ext-V1_0-20090929-A | Schema with attributes for PIDF extensions<br>Working file in schema directory:<br>file: pde_pidf_ext-v1_0.xsd<br>path: http://www.openmobilealliance.org/tech/profiles/ |
| [XSD_pidfOMA] | OMA-SUP-XSD_prs_pidf_omapres-V1_0_3-20090929-A | Schema with attributes for PIDF extensions.<br>Working file in schema directory:<br>file: prs_pidf_omapres-v1_0.xsd<br>path: http://www.openmobilealliance.org/tech/profiles/ |
| [XSD_palBasePolicy] | OMA-SUP-XSD_pde_palBasePolicy-V1_0-20110301-A | Schema with attributes for PAL Policy definitions.<br>Working file in schema directory:<br>file: pde_palBasePolicy-v1_0.xsd<br>path: http://www.openmobilealliance.org/tech/profiles/ |
| [XML_prHasOptedInForService] | OMA-SUP-XML_pde_prHasOptedInForService-V1_0-20110301-A | Abstract process definition for PAL Rule 'hasOptedInForService'.<br>Working file in schema directory:<br>file: pde_prHasOptedInForService-v1_0.xml<br>path: http://www.openmobilealliance.org/tech/profiles/ |
| [XML_prIsAvailable] | OMA-SUP-XML_pde_prIsAvailable-V1_0-20110301-A | Abstract process definition for PAL Rule 'isAvailable'.<br>Working file in schema directory:<br>file: pde_prIsAvailable-v1_0.xml<br>path: http://www.openmobilealliance.org/tech/profiles/ |
| [XML_prIsContactable] | OMA-SUP-XML_pde_prIsContactable-V1_0-20110301-A | Abstract process definition for PAL Rule 'isContactable'.<br>Working file in schema directory:<br>file: pde_prIsContactable-v1_0.xml<br>path: http://www.openmobilealliance.org/tech/profiles/ |

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

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# 6. OMNA Considerations

The Presence Data Model has been extended to support the definition of a service suite as described in [PDE_DDS_V2_2]. Similarly, the OMNA registry must also support presence <service-description> assignments for a collection of presence aware services.

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# Appendix A. Change History (Informative)

## A.1 Approved Version History

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

## A.2 Draft/Candidate Version 1.3 History

| Document Identifier | Date | Sections | Description |
|---|---|---|---|
| Draft versions : OMA-RRELD-Presence_Data_Ext-V1_3 | 28 Feb 2011 | N/A | Baseline (used OMA-RRELD-Presence_Data_Ext-V1_2-20100831-C) |
| | 07 Mar 2011 | 5 | Update of the list of documents |
| | 05 Apr 2011 | 5 | Update of the list of documents before closing the CONR |
| Candidate version : OMA-RRELD-Presence_Data_Ext-V1_3 | 26 Apr 2011 | All | Status changed to Candidate by TP: OMA-TP-2011-0148-INP_PDE_V1_3_RRP_for_Candidate_Approval |

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