Enabler Release Definition for Presence Access Layer

Candidate Version 1.0 – 28 Jul 2009

Open Mobile Alliance

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1. Scope

The scope of this document is limited to the Enabler Release Definition of Presence Access Layer Version 1.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

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2. References

2.1 Normative References

[PAL_RD] "Presence Access Layer Requirements" Version 1.0, Open Mobile Alliance™, OMA-RD-PAL-V1_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

[SCRRULES] "SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL:http://www.openmobilealliance.org/

2.2 Informative References

[OMADICT] "Dictionary for OMA Specifications", Version 2.8, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_8, 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”, "Release Version Overview" and “Conformance Requirements Notation Details”, are normative, unless they are explicitly indicated to be informative.

The formal notation convention used in sections 8 and 9 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

3.2 Definitions

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.
PAL Client	Use definition from [PAL_RD].
PAL Profile	Use definition from [PAL_RD].
PAL Service	Use definition from [PAL_RD].
Presence Aspects	Use definition from [PAL_RD].
Presence Context	Use definition from [PAL_RD].
Presence Triggers	Use definition from [PAL_RD].

3.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
PAL	Presence Access Layer

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4. Release Version Overview

4.1 Version 1.0 Functionality

The Presence Access Layer (PAL) Enabler complements OMA Presence SIMPLE. PAL specifies logically interoperable abstractions known as Presence Aspects. Presence Aspects consolidate presence information based on one or more Presence Information Elements. PAL Presence Aspects are based on underlying rules that fully align with OMA Presence SIMPLE and Implementation Guidelines for OMA Presence SIMPLE. Further, Presence Triggers provide a mechanism for a presence aware service to execute a specified action (also specified by rules) when a change is detected for a corresponding Presence Aspect.

PAL Presence Context associates applicable presence aspects required to fulfill service function points with a presence aware service. This provides PAL Client's with a consolidated and determinate view of presence information. That is, a PAL Client need only interact with a specific subset of interoperable Presence Aspects and/or Presence Triggers as specified by the resolved Presence Context, for a given presence aware service or class of service.

The PAL Enabler includes the following features:

- PAL Client interraction including common interoperable Presence Aspects, and Presence Triggers based on consolidated presence information;
- Establish and resolve Presence Context associated with a presence aware service;
- Interworking with information owning enablers (e.g. OMA Presence SIMPLE);
- Privacy and security of information sources, and clients; AND
- Configuration and administration based on PAL Profiles.

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5. Document Listing for Presence Access Layer

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[PAL_RD]	OMA-RD-PAL-V1_0-20090728-C	Requirement Document for PAL Enabler
Architecture Document		
Technical Specifications		
Supporting Files		

Table 1: Listing of Documents in PAL Enabler

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6. OMNA Considerations

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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 [SCRRULES].

Feature/Application: Entry in this column SHOULD be a short descriptive label to the **Item** in question.

Requirement: Expression in the column MUST be a valid TerminalExpression according to [SCRRULES] and it MUST accurately reflect the architectural requirement of the **Item** in question.

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8. ERDEF for PAL - Client Requirements

This section is normative.

Item	Feature / Application	Requirement

Table 2: ERDEF for PAL Client-side Requirements

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9. ERDEF for PAL - Server Requirements

This section is normative.

Item	Feature / Application	Requirement

Table 3: ERDEF for PAL Server-side Requirements

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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 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELD-PAL-V1_0	05 May 2009	n/a	Baseline document (OMA-PAG-PAL-2009-0030R02-INP_PAL1_0_ERELD_Intro) Replaces OMA-ERELD-PAL-V1_0-20090504-D Documents listing updated
	30 Jun 2009	5	Changes to OMA-RD-PAL-V1_0 Section 5 updated to reflect this.
	01 Jul 2009	5, 6, App A	Changes to OMA-RD-PAL-V1_0 Section 5 updated to reflect this. Editorial clean-up.
	09 Jul 2009	5	Changes to OMA-RD-PAL-V1_0 Section 5 updated to reflect this.
Candidate Version OMA-ERELD-PAL-V1_0	28 Jul 2009	n/a	Status changed to Candidate by TP: TP ref# OMA-TP-2009-0328-INP_PAL_V1_0_RD_for_Candidate_Approval

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