Enabler Release Definition for Service User Profile Management

Candidate Version 1.0 – 20 Apr 2010

Open Mobile Alliance

OMA-ERELD-Service_User_Profile_Management-V1_0-20100420-C

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Scope

The scope of this document is limited to the Enabler Release Definition of Service User Profile Management (SUPM) enabler according to OMA Release process and the Enabler Release specification baseline listed in section 4.

The main objective of the ServUserProf enabler is to define a unified data model (Service User Profile Data Model) for data related to Service User Profile, and provide one unique central point to access and allow management of those data, fulfilling the need of OMA services/enablers, while avoiding the duplication of SUPM functionalities in different enablers. The unified Service User Profile Data Model supports contextualization and personalization of the User's mobile and/or fixed services, as well as the content handled by those services.

1. References

1.1 Normative References

[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/
[ServUserProf_RD]	"Service User Profile Management Requirements", Open Mobile Alliance™, OMA-RD-Service_User_Profile_Management-V1_0, URL:http://www.openmobilealliance.org/

1.2 Informative References

[3GPP_UDC]	3GPP TR 22.985-900 "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Service requirement for the User Data Convergence (UDC) (Release 9)", 2008-12, URL: http://www.3gpp.org
[CAB_RD_1]	"Converged Address Book Requirements", Version 1.0, Open Mobile Alliance™ URL: http://www.openmobilealliance.org/
[CBCSF_RD_1]	"Categorisation Based Content Screening Framework Requirements", Version 1.0, Open Mobile Alliance™, URL: http://www.openmobilealliance.org/
[CPM_RD_1]	"Converged IP Messaging Requirements", Version 1.0, Open Mobile Alliance™ URL: http://www.openmobilealliance.org/
[OMADICT]	"Dictionary for OMA Specifications", Version 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_7, URL:http://www.openmobilealliance.org/
[RFC2822]	IETF RFC 2822 "Internet Message Format", URL: http://www.ietf.org/rfc/rfc2822.txt
[RFC3261]	IETF RFC 3261 "SIP: Session Initiation Protocol", URL: http://www.ietf.org/rfc/rfc3261.txt
[RFC3966]	IETF RFC 3966 "The tel URI for Telephone Numbers", URL: http://www.ietf.org/rfc/rfc3966.txt
[RFC4646]	IETF RFC 3966 "Tags for Identifying Languages", URL:http://www.ietf.org/rfc/rfc4646.txt
[XDM_RD_21]	"OMA XML Document Management Requirements", Version 2.1, Open Mobile Alliance™ URL: http://www.openmobilealliance.org/

2. Terminology and Conventions

2.1 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.

The formal notation convention used in sections 7 and 8 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [**Error! Reference source not found.**].

2.2 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
Service Provider	See [OMADICT]
Service User Profile	A Service Provider managed set of information related to a User that may be used to create personalized and contextualized services. The set of information may include both static and dynamic information available for example from the User Profile, User's Characteristic Description information and User Context.
Service User Profile Data Model	The data model used to represent the Service User Profile.
User	See [OMADICT]
User Context	A set of information which describes the current status of the User (e.g. location, presence, current device capabilities, body temperature, blood pressure, weather).
User Preferences	User's related data used for contextualization and personalization of the service.
User Profile	See [OMADICT]
User's Characteristic Description Information	User's characteristic description information permits to describe user characterisation (e.g. user's interest and hobbies), generally as an analysis result from user's related data (user's basic information, extended information, historical behaviour data, etc.). The user's characteristic description information may be represented for example by specific "topic tags", with each tag being a specific topic (e.g., sports, finance, music) associated with a percentage of the relevance of the user to the specific topic

2.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
ServUserProf	Services User Profile Management
SUPM	Services User Profile Management

3. Release Version Overview

This document outlines the Enabler Release Definition for Service User Profile Management (SUPM) enabler and the respective conformance requirements for clients and servers implementing and claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

3.1   Version 1.0 Functionality

The SUPM enabler V1.0 makes use of previously defined User services-related data and data access mechanisms (e.g. protocols, data representations), in order to achieve the following:

- definition of a Service User Profile Data Model for User data. This comprises data that is under the responsibility of the Service Provider and is useful for contextualisation and personalisation of services (e.g. user preferences related to applications/services and/or service content):
    - o   inclusion of underlying service-related data structures previously defined in other standards fora
    - o   inclusion of previously defined different types of data and related elements (such as personalisation) provided by OMA enablers or other resources
    - o   definition of additional (new) data to be included in the data model
    - o   definition of the different views for representation of data in the data model
    - o   definition of extensible data model for future data inclusion
- selection of data management operations (creation, modification, search, retrieval, deletion etc.) together with:
    - o   access interface(s)
    - o   conditions for usage and access to ensure controlled, secure access by authenticated or authorised entities
    - o   reuse (where appropriate) of data defined outside ServUserProf Enabler (e.g. via other services enablers).

4. Document Listing for Service User Profile Management V1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[SUPM_RD]	OMA-RD-Service_User_Profile_Management-V1_0-20090915-C	Requirements for Service User Profile Management enabler
Architecture Document		
[SUPM_AD]	OMA-AD-Service_User_Profile_Management-V1_0-20100420-C	Architecture for Service User Profile Management enabler
Technical Specifications		
Supporting Files		

5. OMNA Considerations

<< This section is to be used to describe any OMNA items included in the release. This would include, among others:

- Usage of OMA-based Uniform Resource Names (URNs) (including those used as namespace identifiers in Schemas)

- AppiDs for Application Characteristics (AC)

- Managed Object (MO) information for the MO registry

- ISO Object IDs

- PUSH Application Ids

- WAP Wireless Session Protocol (WSP) Content Types

- Presence ‹service-description› assignments

- Uniform Resource Identifier (URI)-List Registered Usage Names (for XDM)

The format of this section will be left up to the release owners to account for the particular needs they may run into. It should be clear from the written material, though, as to the set of OMNA items needed.

If a new OMNA registry is needed to support the release – clearly this should have been worked with the REL Committee before submitting a Release Document. Failure to do so may result in delays as the required tables are worked up and made publicly available. Another risk is that the table desired is not supported by OMNA (is not a registry type table) and the group will need to re-think how they intend to resolve their needs.

Through the normal development process the OMNA entries or support registries should be accommodated. This should not be trigger to remove the linkage from this section. Thus, if an entry is added to OMNA after the initial Candidate version described the need – the material should stay in this section. It may be useful in subsequent releases to add some text to indicate that the needed items have been accommodated (e.g. add a comment regarding its availability or support as appropriate).

If the release has absolutely no OMNA items to be accommodated – then it should indicate that explicitly with a short description (e.g. this release does not have any OMNA items for handling). This determination probably can not be made until the end of the development phases and editors are encouraged to keep this advisory in place until the Consistency Review.

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6. 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.

7. ERDEF for ServUserProf – Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-ServUserProf-C-001-<<M/O>>	ServUserProf Client	

Table 1: ERDEF for ServUserProf Client-side Requirements

8. ERDEF for ServUserProf – Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-ServUserProf-S-001-<<M/O>>	ServUserProf Server	

Table 2: ERDEF for ServUserProf Server-side Requirements

Appendix A.   Change History   (Informative)

A.1   Approved Version History

Reference	Date	Description
n/a	n/a	No prior version –or- No previous version within OMA

A.2   Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions: OMA-ERELD-ServUserProf-V1_0	04 June 2009		Initial baseline for RD review
	26 August 2009	All	Updated accordingly to the RD result of the Formal Review (Singapore)
Candidate Version OMA-ERELD-ServUserProf-V1_0	15 Sep 2009	N/A	Status changed to Candidate by TP ref # OMA-TP-2009-0408-INP_ServUserProf_V1_0_RD_for_Candidate_Approval
Draft versions OMA-ERELD- Service_User_Profile_Management-V1_0	22 Jan 2010	3, 4	Updated basline draft for AD review
	31 Mar 2010	All	Editorial fixes: 2010 template applied References, Definitions and Abbreviations sorted alphabetically Name of enabler applied consistently on cover page and titles Tables added in Contents Document Listing updated
Candidate version OMA-ERELD- Service_User_Profile_Management-V1_0	20 Apr 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0178-INP_SUPM_V1_0_AD_for_Candidate_approval