



Enabler Release Definition for Service User Profile Management

Candidate Version 1.0 – 11 Jan 2011

Open Mobile Alliance
OMA-ERELED-Service_User_Profile_Management-V1_0-20110111-C

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1. 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 5.

The Service User Profile Management (SUPM) enabler provides a standardized interface to access and manage the data related to Service User Profile, with which applications and/or enablers can create, read, update and delete those data in order to support contextualization and personalization of the User's services.

2. References

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

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 [**Error! Reference source not found.**].

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
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 Model	The abstract model defining the structure of the Service User Profile composed of individual data element definitions.
SUPM Data View	SUPM Data View is a set of Service User Profile data elements that are accessible through SUPM-1 interface.
User	See [OMADICT]
User Context	A set of information which describes the current state of the User (e.g. location, presence, current device capabilities, body temperature).
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.).

3.3 Abbreviations

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

4. 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.

4.1 Version 1.0 Functionality

The SUPM enabler V1.0 covers following features:

- The definition of common SUPM Data Views and data elements of the Service User Profile for SUPM 1.0
- The functional description of SUPM Component
- The interface definitions: the message flows, and message exchange patterns used for message exchanges between SUPM Component and Data Consumer

5. 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_0-20110111-C	Requirements for Service User Profile Management enabler
Architecture Document		
[SUPM_AD]	OMA-AD-Service_User_Profile_Management-V1_0-20110111-C	Architecture for Service User Profile Management enabler
Technical Specifications		
[SUPM-TS]	OMA-TS-Service_User_Profile_Management-V1_0-20110111-C	Technical specification for the abstract definition of the SUPM-1 interface for Service User Profile Management enabler
[SUPM-TS-LDAP]	OMA-TS-Service_User_Profile_Management_LDAP_Binding-V1_0-20110111-C	Technical Specification LDAP binding for SUPM-1 interface
[SUPM-TS-REST]	OMA-TS-Service_User_Profile_Management_RESTful_Binding-V1_0-20110111-C	Technical Specification RESTful binding for SUPM-1 interface
[SUPM-TS-SOAP]	OMA-TS-Service_User_Profile_Management_SOAP_Binding-V1_0-20110111-C	Technical Specification SOAP binding for SUPM-1 interface
Supporting Files		
[SUPM_SUP_SOAP_XSD]	OMA-SUP-XSD_supm_soap-V1_0-20110111-C	XML schema for SUPM– SOAP-Binding Working file in Schema directory: file: supm_soap-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/
[SUPM_SUP_SOAP_WSDL]	OMA-SUP-WSDL_supm_soap-V1_0-20110111-C	WSDL file for SOAP binding of Service User Profile Management SUPM-1 interface Working file in Schema directory: file: supm_soap-v1_0.wsdl path: http://www.openmobilealliance.org/tech/wSDL
[SUPM_SUP_REST]	OMA-SUP-XSD_rest_supm-V1_0-20110111-C	XML schema for SUPM– REST-Binding Working file in Schema directory: file: rest_supm-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

Table 1: Listing of Documents in Service User Profile Management Enabler

6. OMNA Considerations

The SUPM enabler introduces the following namespaces in the “rest” domain.

Note that in order to maintain compatibility between minor versions of the same major version, only the major version is reflected in the namespace identifier. Further note that subsequent minor versions of the same XML schema (e.g. 1.1) will be registered against the same namespace identifier.

Description	Registered URN	Schema Links
SUPM-1 interface	urn:oma:xml:rest:supm:1	http://www.openmobilealliance.org/tech/profiles/rest_supm-v1_0.xsd

Table 2: OMNA Namespaces in the “rest” XML SchemaDomain

The SUPM enabler introduces the following namespaces in the “soap” domain.

Note that in order to maintain compatibility between minor versions of the same major version, only the major version is reflected in the namespace identifier. Further note that subsequent minor versions of the same XML schema (e.g. 1.1) will be registered against the same namespace identifier.

Description	Registered URN	Schema Links
SUPM-1 interface	urn:oma:xml:supm:soap:1	http://www.openmobilealliance.org/tech/profiles/supm_soap-v1_0.xsd

Table 3: OMNA Namespaces in the “SOAP” XML SchemaDomain

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.

8. ERDEF for SUPM – Client Requirements

SUPM Data Consumer is out of scope of the SUPM enabler. There are no client requirements defined.

9. ERDEF for SUPM– Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-SUPM-S-002-M	SUPM-1 interface[SUPM-TS]	OMA-ERDEF-SUPM-S-009-O OR OMA-ERDEF-SUPM-S-010-O OR OMA-ERDEF-SUPM-S-011-O
OMA-ERDEF-SUPM-S-007-M	SUPM Data Elements	[SUPM-TS]
OMA-ERDEF-SUPM-S-008-O	SUPM Data Views	[SUPM-TS]
OMA-ERDEF-SUPM-S-009-O	LDAP Binding	[SUPM-TS-LDAP]
OMA-ERDEF-SUPM-S-010-O	Web Services / SOAP Binding	[SUPM-TS-SOAP]
OMA-ERDEF-SUPM-S-011-O	REST / HTTP Binding	[SUPM-TS-REST]

Table 4: ERDEF for SUPM Server

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-ERELED-ServUserProf-V1_0	04 Jun 2009		Initial baseline for RD review
	26 Aug 2009	All	Updated accordingly to the RD result of the Formal Review (Singapore)
Candidate Version OMA-ERELED-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-ERELED- Service_User_Profile_Management-V1_0	22 Jan 2010	3, 4	Updated baseline 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-ERELED- 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
Draft Version: OMA-ERELED- Service_User_Profile_Management-V1_0	13 Sep 2010	All	Updated baseline draft for consistency review. Implemented Agreed change: OMA-ARC-SUPM-2010-0151-CR_ERELED_update_for_CONR Editorial fix: history table, table numbering and heading style
	25 Nov 2010	All	OMA-ARC-SUPM-2010-0179R01-CR_ERELED_A001_A002
	06 Dec 2010	5	Document listing updated before closure of CONR.
	07 Dec 2010	5, 6	Document names fixed
	15 Dec 2010	5	Document listing updated before Candidate approval
Candidate Version: OMA-ERELED- Service_User_Profile_Management-V1_0	11 Jan 2011	All	Status changed to Candidate by TP: OMA-TP-2010-0530-INP_SUPM_V1_0_ERP_for_Candidate_Approval