Reference Release Definition for SUPL Configuration Services

Approved Version 1.0 – 18 Mar 2014

Open Mobile Alliance

OMA-RRELD-SUPLCS-V1_0-20140318-A

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1. Scope

The scope of this document is limited to the Reference Release Definition of SUPL Configuration Services 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

[OMA-DM-StdObj] "OMA Device Management Standardized Objects", Version 2.0, Open Mobile Alliance™, OMA-TS-DM_StdObj-V2_0-20100609-D

[OMA-DM-V1_2_1] "Device Management", Version 1.2.1, Open Mobile Alliance™, OMA-ERP-DM-V1_2_1, URL:http://www.openmobilealliance.org/

[OMA-DM-V1_3] "Device Management", Version 1.3, Open Mobile Alliance™, OMA-ERP-DM-V1_3, URL:http://www.openmobilealliance.org/

[OMA-DM-V2_0)] "Device Management", Version 2.0, Open Mobile Alliance™, OMA-ERP-DM-V2_0, URL:http://www.openmobilealliance.org/

[OMA-SUPLCS-V1_0] "SUPL Configuration Services", Version 1.0, Open Mobile Alliance™, OMA-ER-SUPL_Configuration_Services-V1_0, URL:http://www.openmobilealliance.org/

[OMA-SUPL-V1_0] "Secure User Plane Location", Version 1.0, Open Mobile Alliance™, OMA-ERP-SUPL-V1_0, URL:http://www.openmobilealliance.org/

[OMA-SUPL-V2_0] "Secure User Plane Location", Version 2.0, Open Mobile Alliance™, OMA-ERP-SUPL-V2_0, URL:http://www.openmobilealliance.org/

[OMA-SUPL-V2_0_1] "Secure User Plane Location", Version 2.0.1, Open Mobile Alliance™, OMA-ERP-SUPL-V2_0_1, URL:http://www.openmobilealliance.org/

[OMA-SUPL-V2_1] "Secure User Plane Location", Version 2.1, Open Mobile Alliance™, OMA-ERP-SUPL-V2_1, URL:http://www.openmobilealliance.org/

[OMA-SUPL-V3_0] "Secure User Plane Location", Version 3.0, Open Mobile Alliance™, OMA-ERP-SUPL-V3_0, URL:http://www.openmobilealliance.org/

[OSE] "OMA Service Environment", Open Mobile Alliance™, 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

[RFC4234] "Augmented BNF for Syntax Specifications: ABNF". D. Crocker, Ed., P. Overell. October 2005, URL:http://www.ietf.org/rfc/rfc4234.txt

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

[SUPL MO] "OMA Management Object for SUPL", Version 2.0, Open MobileAlliance™, OMA-TS-SUPL-MO-V2_0, URL:http//www.openmobilealliance.org/

2.2 Informative References

[OMA DM] This reference will be used when referring to OMA DM content that is not release specific. See Normative References for OMA DM specific references.

[OMADICT] "Dictionary for OMA Specifications", Version x.y, Open Mobile Alliance™, OMA-ORG-Dictionary-Vx_y, URL:http://www.openmobilealliance.org/

[SUPL] This reference will be used when referring to OMA SUPL content that is not release specific. See Normative References for OMA SUPL specific references.

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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

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.
SUPL Configuration Services	The SUPL Configuration Services [SUPL CS] enabler allows a mobile operator to define and configure multiple SLPs to be enabled for their subscriber’s handsets to utilize.
SUPL Roaming	For positioning not associated with an emergency services call, SUPL roaming occurs when a SET leaves the service area of its H-SLP. The service area of an H-SLP or E-SLP includes the area within which the H-SLP or E-SLP can provide a position estimate for a SET or relevant assistance data to a SET without contacting other SLPs. It should be noted that an H-SLP or E-SLP service area is not necessarily associated with the service area(s) of the underlying wireless network(s).

3.3 Abbreviations

DM	OMA Device Management
D-SLP	Discovered SLP
E-SLP	Emergency SLP
H-SLP	Home SLP
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
RRELD	Reference Release Definition
SET	SUPL Enabled Terminal
SLP	SUPL Location Platform
SUPL	Secure User Plane Location
SUPLCS	SUPL Configuration Services

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4. Release Version Overview

The SUPL Configuration Services (SUPLCS) enabler allows an operator to maximize the configuration of SLPs to be utilized in their environment. Multiple SLPs are desirable to maximize revenue and minimize expenses for the mobile operator. SUPLCS will be architected to be independent of the SUPL releases defined in OMA. This approach will enable SUPL to continue on its track and the SUPLCS can evolve independently. A mobile operator may choose to not even utilize this enabler. The use cases are developed so mobile operator can choose the features defined in this enabler.

4.1 Version 1.0 Functionality

The version 1.0 of the SUPL Configuration Services (SUPLCS) will enable a mobile operator to configure multiple SLPs to be utilized for SUPL services. The goal for version 1.0 is to enable SLPs to be configured for all of the SLP deployment models described in the SUPL releases (**[OMA-SUPL-V1_0], [OMA-SUPL-V2_0], [OMA-SUPL-V2_0_1], [OMA-SUPL-V2_1] and [OMA-SUPL-V3_0]**).

The SUPLCS defines configuration information that may include but not be limited to:

- An H-SLP for a mobile operator.
- Multiple E-SLPs for a mobile operator.
- Multiple D-SLPs for a mobile operator.
- An H-SLP to utilize for an individual application.

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5. Document Listing for SUPL Configuration Services

This section is normative.

Doc Ref	Permanent Document Reference	Description
Enabler Release Document		
[OMA-SUPLCS-V1_0]	OMA-RR-SUPL_Configuration_Services-V1_0-20140318-A	Enabler Release Document for SUPL Configuration Services Reference Package
Supporting Files		
[SUPLCS DDF]	OMA-SUP-MO_SUPLCS-V1_0-20140318-A	DDF parameters for the SUPLCS Reference Release Working file in DDF directory: file: mo_suplcs-v1_0.ddf path: http://www.openmobilealliance.org/tech/omna/dm_mo

Table 1: Listing of Documents in SUPL Configuration Services Reference Release

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6. OMNA Considerations

The OMNA portal needs to maintain the following schema namespace into Schema Namespace Registry

MO Identifier	Description	Owner	Version	MO DDF	MO Spec
urn:oma:mo:oma-suplcs:1.0	SUPL Configuration Services MO	LOC WG	1.0	OMA-SUP-MO_SUPLCS-V1_0-20140318-A	OMA-RR-SUPL_Configuration_Services-V1_0-20140318-A

Table 2: OMNA Considerations

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Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-RRELD-SUPLCS-V1_0-20140318-A	18 Mar 2014	Status changed to Approved by TP TP Ref # OMA-TP-2014-0055-INP_SUPL_Configuration_Services_V1_0_RRP_for_Final_Approval

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