



# **Reference Release Definition for Open Service Provider Environment (OSPE)**

**Candidate Version 1.0 – 19 May 2009**

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**Open Mobile Alliance**  
OMA-RRELD-OSPE-V1\_0-20090519-C

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# Contents

- 1. SCOPE .....4
- 2. REFERENCES .....5
  - 2.1 NORMATIVE REFERENCES.....5
  - 2.2 INFORMATIVE REFERENCES.....5
- 3. TERMINOLOGY AND CONVENTIONS .....6
  - 3.1 CONVENTIONS.....6
  - 3.2 DEFINITIONS.....6
  - 3.3 ABBREVIATIONS.....6
- 4. RELEASE VERSION OVERVIEW .....7
  - 4.1 VERSION 1.0 FUNCTIONALITY .....7
- 5. DOCUMENT LISTING FOR OSPE .....8
- 6. OMNA CONSIDERATIONS .....9
- APPENDIX A. CHANGE HISTORY (INFORMATIVE).....10
  - A.1 APPROVED VERSION HISTORY .....10
  - A.2 DRAFT/CANDIDATE VERSION 1.0 HISTORY .....10

# Tables

- Table 1: Listing of Documents in OSPE Reference Release.....8

# 1. Scope

The scope of this document is limited to the Reference Release Definition of Open Service Provider Environment (OSPE) according to OMA Release process and the Reference Release document baseline listed in section 5.

## 2. References

### 2.1 Normative References

- [OSE-AD] “OMA Service Environment” Open Mobile Alliance, OMA-AD-Service-Environment-V1\_0  
URL: [http://www.openmobilealliance.org/release\\_program/ose\\_ad\\_v1\\_0\\_2.html](http://www.openmobilealliance.org/release_program/ose_ad_v1_0_2.html)
- [OSPE-AD] “OMA Service Provider Environment Architecture”, Open Mobile Alliance,  
OMA-AD\_OSPE-V1\_0, URL: <http://www.openmobilealliance.org/>
- [OSPE-RD] “OMA Service Provider Environment Requirements”, Open Mobile Alliance,  
OMA-RD\_OSPE-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>

### 2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version x.y, Open Mobile Alliance™,  
OMA-ORG-Dictionary-Vx\_y, URL: <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 "Release Version Overview" are normative, unless they are explicitly indicated to be informative.

### 3.2 Definitions

<b>Catalogue</b>	A logical collection of information associated with Service Packages, Service Models, Service Deployment Instances, and Service Instances.
<b>Component</b>	A replaceable/reusable unit that is responsible for a particular set of functionality and associated information. A component forms part or all of an enabler. <b>[Error! Reference source not found.]</b>
<b>Life Cycle Management</b>	The sequence of steps of deployment (including download, installation, configuration, activation, and publishing), update (including download, installation, and activation), and removal/withdrawal of services and components.
<b>Reference Release</b>	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.
<b>Reference Release Definition</b>	A definition of the documents that are included in a Reference Release.
<b>Resource</b>	A resource is any 1 element, component, enabler, function or application that can send, receive, or process requests. A Resource is an abstract concept that represents a capability, e.g. a network element, in a Service Provider’s domain.
<b>Service Level Tracing</b>	Service Level Tracing is the ability to capture and log all relevant information at each Component participating in the execution of a specific service, that is initiated either by an end user or a Component.
<b>Service Model</b>	A structured representation of services, Resources, and their interrelations, Inherent Attributes and Service Attributes for a given service.
<b>Tracing</b>	The mechanism to support capturing and recording of runtime information. This is achieved by specifying standard Component interfaces to handle aspects such as start tracing, stop tracing, and tracing result retrieval.

### 3.3 Abbreviations

<b>LCM</b>	Life Cycle Management
<b>OMA</b>	Open Mobile Alliance
<b>OMNA</b>	Open Mobile Naming Authority
<b>OSPE</b>	OMA Service Provider Environment
<b>RRELD</b>	Reference Release Definition
<b>SLT</b>	Service Level Tracing
<b>SMAC</b>	Service Model And Catalogue

## 4. Release Version Overview

The Open Service Provider Environment (OSPE) Reference Release provides requirements and architectural principles for deploying services and components, consistent identification of entities collaborating to offer the service, and assistance in localizing faults associated with services that are offered by a Service Provider.

The OSPE Reference Release addresses three specific areas:

- Life Cycle Management (LCM) of components and services
- Service Level Tracing (SLT)
- Management of component representations, as well as their relations and versions.

OSPE was originally planned as an Enabler which would have included Technical Specifications of interfaces and protocols. However, work on these Technical Specifications was suspended in 2009 to avoid potential inconsistencies with related ongoing work in other standards organizations. It was decided to conserve the OSPE RD [OSPE-RD] and AD [OSPE-AD] as a Reference Release for future reference in OMA. The possibility of resuming Technical Specification work at some point in the future, and turning OSPE into an Enabler, is not discarded.

### 4.1 Version 1.0 Functionality

The Open Service Provider Environment V1.0 Reference Release contains the following functionality:

- Descriptions of the OSPE Server and Service Model and Catalogue (SMAC) components of the OSPE Architecture.
- Description of the OSPE-1, OSPE-2, OSPE-3, OSPE-4, OSPE-5, OSPE-6 interfaces.
- Flows for Life Cycle Management, including: deployment, modification and withdrawal of components and services.
- Flows for Service Level Tracing, including: turning on tracing, starting tracing from terminal and component.

The OSPE V1.0 Reference Release also contains an informative service meta-model and shows how it can be applied to an OMA Enabler.

## 5. Document Listing for OSPE

This section is normative.

Doc Ref	Permanent Document Reference	Description
<b>Requirement Document</b>		
[OSPE-RD]	OMA-RD-OSPE-V1_0-20090519-C	Requirement Document for OSPE Reference Package
<b>Architecture Document</b>		
[OSPE-AD]	OMA-AD-OSPE-V1_0-20090519-C	Architecture Document for OSPE Reference Package

**Table 1: Listing of Documents in OSPE Reference Release**



## 6. OMNA Considerations

There are no OMNA considerations for the OSPE V1.0 Reference Release.

## 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-RRELD-OSPE-V1_0	26 Mar 2009	All	Initial draft
	20 Apr 2009	5	Document listing updated
Candidate version: OMA-RRELD-OSPE-V1_0	19 May 2009	All	Status changed to Candidate by TP: OMA-TP-2009-0196-INP_OSPE_V1_0_RRP_for_Candidate_Approval