



Enabler Release Definition for Always Online Infrastructure Enabler (AOI)

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Open Mobile Alliance
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1. Scope

The scope of this document is limited to the Enabler Release Definition of Always Online Infrastructure (AOI) 1.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [AOI-ER] “Always Online Infrastructure Enabler”, Open Mobile Alliance™, OMA-ER-AOI-V1_0, [URL:http://www.openmobilealliance.org/](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](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/)

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version 2.9, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_9, [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”, "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 [SCR RULES].

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.

3.3 Abbreviations

AOI	Always Online Infrastructure
ER	Enabler Release
ERDEF	Enabler Requirement Definition
ERELED	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
SCR	Static Conformance Requirements
URN	Uniform Resource Name

4. Release Version Overview

This Enabler Release (ER) document is a combined document of requirements, architecture and technical specification for Always Online Infrastructure (AOI) Enabler.

The Always Online Infrastructure (AOI) enabler provides functions of application/service management, connection management, interfaces between AOI Client and AOI Server, interfaces to client applications and server applications and bandwidth optimization.

4.1 Version 1.0 Functionality

The version 1.0 of the AOI Enabler defines an overall framework that enables notification based services, and function components, procedures and interfaces.

The core functions provided by the AOI Enabler include:

- Notification Channel
- Wake Up mechanisms
- Identification and Addressing
- Definition of interfaces

5. Document Listing for AOI 1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Combined Enabler Release		
[AOI-ER]	OMA-ER-AOI-V1_0-20170404-A	Requirements, architecture and technical specification of the AOI enabler.

Table 1: Listing of Documents in AOI 1.0 Enabler

6. OMNA Considerations

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 AOI 1.0 – Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-AOI-C-001-M	AOI Client	

Table 2: ERDEF for AOI 1.0 Client-side Requirements

9. ERDEF for AOI 1.0 – Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-AOI-S-001-M	AOI Server	

Table 3: ERDEF for AOI 1.0 Server-side Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-AOI-V1_0-20170404-A	04 Apr 2017	Status changed to Approved by TP TP Ref # OMA-TP-2017-0023-INP_AOI-V1_0_ERP_for_Final_Approval