Enabler Release Definition for IMS in OMA

Approved Version 1.0 – 9 Aug 2005

Open Mobile Alliance

OMA-ERELD-IMSinOMA-V1_0-20050809-A

Contents

Figures

The document does not contain any figures.

Tables

The document does not contain any tables.

1. Scope

The scope of this document is to give the Enabler Release Definition of IMSinOMA according to OMA Release process and the Enabler Release specification baseline listed in section 5.

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
[IMS in OMA-RD]	"Requirements for the utilization of IMS capabilities", Requirements Document for Open Mobile Alliance™: OMA-RD_IMSinOMA-V1_1, URL:http://www.openmobilealliance.org/
[IMS in OMA-AD]	"Utilization of IMS capabilities, Architecture", Architecture Document for Open Mobile Alliance™: OMA-AD_IMSinOMA-V1_0, URL:http://www.openmobilealliance.org/
[IMS in OMA-ETR]	"Enabler Test Requirements for IMSinOMA", OMA-ETR-IMSinOMA-V1_0, URL:http://www.openmobilealliance.org/

2.2 Informative References

None.

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.

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.

Other terms used in the IMSinOMA enabler release are defined in [IMS in OMA RD] and in [IMS in OMA AD].

3.3 Abbreviations

AS	Application Server
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
ESI	Enabler Server Implementation
ETI	Enabler Terminal Implementation
IMS	IP Multimedia Subsystem
OMA	Open Mobile Alliance
OSE	OMA Service Environment
3GPP	3rd Generation Partnership Project
3GPP2	3rd Generation Partnership Project 2

Other abbreviations used in the IMSinOMA enabler release are listed in [IMS in OMA RD] and in [IMS in OMA AD].

4. Introduction

This document outlines the Enabler Release Definition for IMSinOMA.

The IMSinOMA Enabler Release Version 1.0 specifications are the Requirements Document [IMS in OMA RD], Architecture Document [IMS in OMA AD] and Enabler Test Requirements document [IMS in OMA ETR], which provide the means for OMA enablers to use the IMS as specified by 3GPP/3GPP2.

The purpose of the IMSinOMA Enabler Release is to specify how OMA enablers use IMS in an interoperable way. It is important to note that this does not imply that OMA enablers are required to use IMS; however, for those enablers that do so, the IMSinOMA specifications provide normative guidance.

5. Enabler Release Specification Baseline

This section is normative.

The following specifications comprise the IMSinOMA Enabler Release Package:

- Requirements Document (RD): “Requirements for the utilization of IMS capabilities”, [IMS in OMA RD]
- Architecture Document (AD): “Utilization of IMS capabilities, Architecture”, [IMS in OMA AD]

6. Minimum Functionality Description for the IMS in OMA Enabler Release

This section is informative.

This Enabler Release specifies how IMS is related to OSE and how IMS fits into the OSE context and how OMA enablers shall interface with IMS.

The IP Multimedia Subsystem (IMS) is a Session Initiation Protocol (SIP) based IP multimedia infrastructure that provides a complete architecture and framework for providing multimedia services. This includes but is not limited to security functions (e.g. authentication, authorization), routing, charging, and default codecs. Thus, IMS provides a platform for globally interoperable IP multimedia services - especially in the mobile environment. The IMS is standardized by 3GPP/3GPP2.

IMS allows applications, i.e. commercial services, to access capabilities of the IMS. It comprises options for service provisioning, namely SIP-Application Server and OSA Gateway. IMS provides service-enabling functions and IP transport and is therefore relevant to the OMA Service Environment (OSE).

OMA enabler implementations may make use of IMS capabilities, e.g. charging, authentication, service management, etc. IMS related applications/enablers can use OSE capabilities in addition to IMS capabilities.

OMA specifies how OMA enablers use the interfaces of IMS, but the actual protocols of the interfaces are under the responsibility of 3GPP/3GPP2.

7. Conformance Requirements Notation Details

This section is informative.

The Static Conformance Requirements are listed in Appendix B of the AD [IMS in OMA AD], together with the notation details.

8. ERDEF for IMS in OMA - Client Requirements (Normative)

The AD [IMS in OMA AD] describes a general Enabler Terminal Implementation, abbreviated ETI, which can communicate with an Enabler Server Implementation (ESI) via the underlaying network. The 3GPP/3GPP2 term “Terminal” can correspond to an OMA enabler terminal implementation, ETI, i.e. Client.

The Static Conformance Requirements for the Client, i.e. the Enabler Terminal Implementation (ETI), are listed in Appendix B of the AD [IMSinOMA AD].

9. ERDEF for IMS in OMA - Server Requirements (Normative)

The IMS related Enabler Server Implementations can correspond to the IMS Application servers. The ESI is typically part of the fixed network infrastructure run by the IMS operator or third party service providers.

The Static Conformance Requirements for the Server, i.e. the Enabler Server Implementation (ESI), are listed in Appendix B of the AD [IMSinOMA AD].

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELD-IMSinOMA-V1_0-20050809-A	9 Aug 2005	Status changed to Approved by TP TP ref# OMA-TP-2005-0238R01-IMSinOMA-V1_0-for-Final-Approval.