



Enabler Release Definition for Push to Communicate for Public Safety (PCPS)

Candidate Version 1.0 – 12 Aug 2014

Open Mobile Alliance
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1. Scope

The scope of this document is given by the Enabler Release Definition of Push to Communicate for Public Safety (PCPS) enabler according to OMA Release process and the Enabler Release specification baseline listed in section 5.

The PCPS Enabler defines a service-level framework providing a standardized way to support Push-to-Talk services. This framework supports both the commercial push to talk services as well as the mission critical push to talk service for public safety envisioned in a later release.

The scope of the enabler covers all the requirements defined in OMA PoC V1.0, V2.0 and V2.1.

2. References

2.1 Normative References

- [OMA PCPS_RD] “Push to Communicate for Public Safety”, Open Mobile Alliance™, OMA-RD-PCPS-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 x.y, Open Mobile Alliance™,
OMA-ORG-Dictionary-Vx_y, [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 9 and 10 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

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.

3.3 Abbreviations

3GPP	3 rd Generation Partnership Project
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
LTE	Long Term Evolution
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
PCPS	Push to Communicate for Public Safety
PoC	Push to talk Over Cellular

4. Release Version Overview

PCPS Enabler covers all OMA PoC V1.0, V2.0 and V2.1 requirements. The intention is to leverage all OMA PoC Enabler capabilities as the baseline and update the use of other OMA supporting enablers to the current versions. PCPS Enabler will also align with the current 3GPP R12 for its SIP/IP Core operations taking advantages of its support of LTE and other key relevant features (e.g. eMBMS). The vision is to position PCPS V1.0 Enabler to be ready for further development to support the new mission critical push to talk Public Safety requirements that are being developed for 3GPP R13.

4.1 Version 1.0 Functionality

PCPS Enabler V1.0 covers all functionality in OMA PoC V1.0, V2.0 and V2.1 with the use of the latest version of the OMA supporting enablers. Its SIP/IP Core support will align with 3GPP R12 especially with the support of LTE and other key relevant features (e.g. eMBMS).

5. Document Listing for PCPS V1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[OMA-PCPS_RD]	OMA-RD-PCPS-V1_0-20140812-C	Requirement Document for PCPS Enabler
Architecture Document		
[OMA-PCPS_AD]	TBD	Architecture Document for PCPS Enabler
Technical Specifications		
[TBD]	TBD	Specification that defines the protocol for PCPS that provides control interface between the FooClient and FooServer
Supporting Files		
[TBD]	TBD	TBD/

Table 1: Listing of Documents in PCPS Enabler

6. OMNA Considerations

7. API Considerations

8. 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.

9. ERDEF for PCPS – Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-PCPS-C-001-M	PCPS V1.0 Client	

Table 2: ERDEF for PCPS Client-side Requirements

10.ERDEF for PCPS – Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-PCPS-S-001-M	PCPS V1.0 Server	

Table 3: ERDEF for PCPS Server-side Requirements

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-ERELED-PCPS-V1_0	5 May 2014	ALL	Initial baseline version
	7 May 2014	4, 4.1	Online revision during May 7 CC
	8 May 2014	5	Updated the permanent document list prior to RD Formal Review Editorial clean up
	24 Jul 2014	5	Editorial update of permanent document references in section 5
Candidate Version OMA-ERELED-PCPS-V1_0	12 Aug 2014	All	Status changed to Candidate by TP TP Ref # OMA-TP-2014-0163- INP_PCPS_V1_0_RD_for_Candidate_Approval