

Enabler Release Definition for Converged Address Book 1.1

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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 Converged Address Book (CAB) Version 1.1 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [CAB 1.0 ERELD] “Enabler Release Definition for Converged Address Book (CAB)”, Version 1.0, Open Mobile Alliance™, OMA-ERELD-CAB-V1_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CAB 1.0 MO TS] “Converged Address Book Management Object”, Version 1.0, Open Mobile Alliance™, OMA-TS-CAB-MO-V1_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CAB 1.1 AD] “Converged Address Book Architecture”, Version 1.1, Open Mobile Alliance™, OMA-AD-CAB-V1_1, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CAB 1.1 FmtAd TS] “Converged Address Book (CAB) Specification – Format Adaptation”, Version 1.1, Open Mobile Alliance™, OMA-TS-CAB_FormatAdaptation-V1_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CAB 1.1 RD] “Converged Address Book Requirements”, Version 1.1, Open Mobile Alliance™, OMA-RD-CAB-V1_1, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CAB 1.1 TS] “Converged Address Book Specification”, Version 1.1, Open Mobile Alliance™, OMA-TS-CAB-V1_1, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CAB 1.1 XDMS] “Converged Address Book XDM Specification”, Version 1.1, Open Mobile Alliance™, OMA-TS-CAB-XDMS-V1_1, [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/)

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 7 and 8 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

3.2 Definitions

Common Connections	See [CAB 1.1 RD]
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.
External Profile	See [CAB 1.1 RD]
Favourite Contact	See [CAB 1.1 RD]
Personal Contact Card	See [CAB 1.1 RD]

3.3 Abbreviations

CAB	Converged Address Book
DS	Data Synchronization
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
MCF	Mandatory Client Features
MO	Management Object
MSF	Mandatory Server Features
OMA	Open Mobile Alliance
PCC	Personal Contact Card
RCS	Rich Communication Suite
XDMS	XML Document Management Server

4. Release Version Overview

This document defines the components that constitute the Converged Address Book (CAB) Version 1.1 Enabler.

The CAB v1.1 Enabler is an incremental evolution to CAB 1.0 Enabler [CAB 1.0 ERELD] and therefore remains fully backwards compatible with existing CAB 1.0 Enabler.

As telecommunications are evolving towards all-IP based networks, many innovative and flexible services emerge to facilitate peer-to-peer and social communications, mostly using an address book as a launch pad for these services. Users are dealing with many address books (such as device resident, SIM resident, service dependent and ISP offered) that cause difficult and bad user experience.

OMA CAB 1.0 has made an effort to address this problem by providing an open standard for address book system for the past three years including the specification of a data models for a converged address book and PCC management and synchronization of contact information, and other value added features based on the said data models such as Contact Subscription, Contact Share, import of contact information from legacy systems, and more.

As we enter into a new era that is dominated by social networks and access to internet is ubiquitous, new market requirements have emerged that call for enhancements to existing CAB Enabler including but not limited to richer social networking features, improved data models to enable integration of CAB with new services, architectural improvements to allow flexible deployment and increased adoption of CAB.

The CAB 1.1 Enabler provides the following enhancements:

- Architectural improvements to allow flexible deployments (e.g. DS vs. XDM), and simplified interaction model
- Addresses requirements from CAB 1.0 RD marked with “Future Release”
 - Contact Subscription Invitation mechanism to allow CAB Users to invite other CAB Users to subscribe to their contact information
 - Contact-added notifications – to allow CAB Users to be notified when another CAB User has added him/her to their address book
 - Exchange of CAB capability using presence
 - Retrieving previously deleted contacts
- Support for new market requirements (e.g. RCS, new social networking features)
 - Import/Export of profile information from/to 3rd party systems
 - Subscription to External Profile information from 3rd party systems
 - Identifying Common Connections (e.g. two CAB User with shared context)
 - Marking of Favourite Contacts
 - Suggestion of new contacts and services
 - Display of public content ((e.g. blogs, RSS feed, news) associated with the contacts in the address book
- Enhanced contact information data models (i.e. PCC and Address Book) to support new market requirements
- Backwards compatibility with CAB 1.0

5. Document Listing for CAB 1.1 Enabler

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[CAB 1.1 RD]	OMA-RD-CAB-V1_1-20180621-A	Requirement Document for CAB 1.1 Enabler
Architecture Document		
[CAB 1.1AD]	OMA-AD-CAB-V1_1-20180621-A	Architecture Document for CAB 1.1 Enabler
Technical Specifications		
[CAB 1.1 TS]	OMA-TS-CAB-V1_1-20180621-A	Specification that describes the CAB 1.1 components behavior and interactions.
[CAB 1.1 XDMS TS]	OMA-TS-CAB_XDMS-V1_1-20180621-A	Specification that describes the CAB 1.1 Application Usages.
[CAB 1.1 FmtAd TS]	OMA-TS-CAB_FormatAdapt-V1_0-20180621-A	Specification that describes mapping between CAB PCC and Legacy Formats (i.e. vCard)
[CAB 1.0 MO TS]	OMA-TS-CAB_MO-V1_0-20121113-A	Specification that describes the CAB Management Object for CAB Client configuration.
Supporting Files		
[XSD_cab_AB]	OMA-SUP-XSD_cab_address_book-V1_1-20180621-A	XML Schema definitions for the CAB 1.1 Address Book document Working file in XML Schema directory: file: cab_ab-v1_1.xsd path: http://www.openmobilealliance.org/tech/profiles
[XSD_cab_PCC]	OMA-SUP-XSD_cab_pcc-V1_1-20180621-A	XML Schema definitions for the CAB 1.1 Personal Contact Card document Working file in XML Schema directory: file: cab_pcc-v1_1.xsd path: http://www.openmobilealliance.org/tech/profiles
[XSD_cab_feature_handler]	OMA-SUP-XSD_cab_feature_handler-V1_1-20180621-A	XML Schema definitions for the CAB 1.1 Feature Handler document Working file in XML Schema directory: file: cab_feature_handler-v1_1.xsd path: http://www.openmobilealliance.org/tech/profiles
[XSD_cab_user_preferences]	OMA-SUP-XSD_cab_user_preferences-V1_1-20180621-A	XML Schema definitions for the CAB User Preferences Working file in XML Schema directory: file: cab_user_preferences-v1_1.xsd path: http://www.openmobilealliance.org/tech/profiles
XSD_cab_search_external_directories	OMA-SUP-XSD_cab_search_external_directories-V1_0-20121113-A	XML Schema definitions for the CAB Search Document extension for External Directories Working file in XML Schema directory: file: cab_search_external_directories-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles
[CAB MO DDF]	OMA-SUP-MO_oma_cab-V1_0-20121113-A	DDF Document for CAB MO Working file in OMNA MO directory: file: oma_cab-v1_0.ddf path: http://www.openmobilealliance.org/tech/omna/

Table 1: Listing of Documents in CAB 1.1 Enabler

6. OMNA Considerations

TBD

7. ERDEF for CAB 1.1 - Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-CAB-C-001-M	DS and XCAP protocols, CAB-specific XCAP application usages, Format Adaptation, and CAB Management Object	[CAB 1.1 TS]: MCF [CAB 1.1 XDMS TS]: MCF [CAB 1.1 FmtAd TS]: MCF [CAB 1.0 MO TS]: MCF

Table 2: ERDEF for CAB 1.1 Client-side Requirements

8. ERDEF for CAB 1.1 - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-CAB-S-001-M	DS and XCAP protocols, CAB-specific XCAP application usages, Format Adaptation, and CAB Management Object	[CAB 1.1 TS]: MCF [CAB 1.1 XDMS TS]: MCF [CAB 1.1 FmtAd TS]: MCF [CAB 1.0 MO TS]: MCF

Table 3: ERDEF for CAB 1.1 Server-side Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-CAB-V1_1-20180621-A	21 Jun 2018	Status changed to Approved by COM Doc Ref # OMA-COM-2018-0003-INP_CAB_V1_1_ERP_for_final_Approval