



Converged Address Book Specification – Format Adaptation

Candidate Version 1.0 – 04 Sep 2012

Open Mobile Alliance
OMA-TS-CAB-V1_0-20120904-C

Use of this document is subject to all of the terms and conditions of the Use Agreement located at <http://www.openmobilealliance.org/UseAgreement.html>.

Unless this document is clearly designated as an approved specification, this document is a work in process, is not an approved Open Mobile Alliance™ specification, and is subject to revision or removal without notice.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. Information contained in this document may be used, at your sole risk, for any purposes. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance. The Open Mobile Alliance authorizes you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services. The Open Mobile Alliance assumes no responsibility for errors or omissions in this document.

Each Open Mobile Alliance member has agreed to use reasonable endeavors to inform the Open Mobile Alliance in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. However, the members do not have an obligation to conduct IPR searches. The declared Essential IPR is publicly available to members and non-members of the Open Mobile Alliance and may be found on the “OMA IPR Declarations” list at <http://www.openmobilealliance.org/ipr.html>. The Open Mobile Alliance has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions. Defined terms above are set forth in the schedule to the Open Mobile Alliance Application Form.

NO REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS OR IMPLIED) ARE MADE BY THE OPEN MOBILE ALLIANCE OR ANY OPEN MOBILE ALLIANCE MEMBER OR ITS AFFILIATES REGARDING ANY OF THE IPR'S REPRESENTED ON THE “OMA IPR DECLARATIONS” LIST, INCLUDING, BUT NOT LIMITED TO THE ACCURACY, COMPLETENESS, VALIDITY OR RELEVANCE OF THE INFORMATION OR WHETHER OR NOT SUCH RIGHTS ARE ESSENTIAL OR NON-ESSENTIAL.

THE OPEN MOBILE ALLIANCE IS NOT LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF DOCUMENTS AND THE INFORMATION CONTAINED IN THE DOCUMENTS.

© 2012 Open Mobile Alliance Ltd. All Rights Reserved.

Used with the permission of the Open Mobile Alliance Ltd. under the terms set forth above.

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. INTRODUCTION | 7 |
| 4.1 VERSION 1.0 | 7 |
| 5. FORMAT ADAPTATION..... | 8 |
| 5.1 vCARD 2.1/vCARD 3.0..... | 8 |
| 5.1.1 CAB Format and Legacy Format vCard Mapping..... | 8 |
| APPENDIX A. CHANGE HISTORY (INFORMATIVE)..... | 17 |
| A.1 APPROVED VERSION HISTORY | 17 |
| A.2 DRAFT/CANDIDATE VERSION 1.0 HISTORY | 17 |
| APPENDIX B. STATIC CONFORMANCE REQUIREMENTS (NORMATIVE)..... | 18 |
| B.1 SCR FOR CAB CLIENT | 18 |
| B.2 SCR FOR CAB SERVER..... | 18 |
| APPENDIX C. X-CAB PARAMETERS AND FIELDS DEFINITIONS (INFORMATIVE)..... | 19 |
| C.1 CAB FORMAT ELEMENTS - EXTENSIONS | 19 |
| C.1.1 Person-details Elements | 20 |
| C.1.2 Organization-directory | 21 |

Tables

| | |
|--|----|
| Table 1: Mapping between CAB Format and Legacy Format(s) | 16 |
|--|----|

1. Scope

This document is intended to supplement the Converged Address Book (CAB) 1.1 Enabler Technical Specification as specified in [CAB 1.1 TS], by describing additional behaviors and metadata necessary to enable format adaptation.

The scope of this document is limited to the interfaces and metadata required to achieve format adaptation between CAB Format and Legacy Format(s).

2. References

2.1 Normative References

- [CAB 1.1 AD] “Converged Address Book Architecture”, Version 1.1, Open Mobile Alliance™, OMA-AD-CAB-V1_1, URL:<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/>
- [CAB 1.1 TS] “Converged Address Book (CAB) Specification”, OMA-TS-CAB-V1_1, 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>
- [RFC2425] A MIME Content-Type for Directory Information. T. Howes, M. Smith, F. Dawson. September 1998. URL: <http://www.ietf.org/rfc/rfc2425.txt>
- [RFC2426] vCard MIME Directory Profile. F. Dawson, T. Howes. September 1998. URL: <http://www.ietf.org/rfc/rfc2426.txt>
- [RFC4234] “Augmented BNF for Syntax Specifications: ABNF”, D. Crocker, Ed., P. Overell. October 2005, URL:<http://www.ietf.org/rfc/rfc4234.txt>
- [RFC5646] “Tags for Identifying Languages”, A. Phillips et al, September 2009, URL:<http://www.ietf.org/rfc/rfc5646.txt>
- [SCRRULES] “SCR Rules and Procedures”, Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL:<http://www.openmobilealliance.org/>
- [vCard2.1] “vCard The Electronic Business Card Version 2.1”, A versit Consortium Specification, September 18, 1996 URL: <http://www.imc.org/pdi/vcard-21.doc>
- [W3C-XML] W3C Recommendation “Extensible Markup Language (XML) 1.0”, Tim Bray et al, 26 November, 2008, World Wide Web Consortium (W3C), URL: <http://www.w3.org/TR/2008/REC-xml-20081126/>

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version 2.8, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_8, 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 “Introduction”, are normative, unless they are explicitly indicated to be informative.

3.2 Definitions

| | |
|-----------------------|------------------------------------|
| CAB Format | Uses definition from [CAB 1.1 TS]. |
| Enabler | Use definition from [OMADICT]. |
| Legacy Formats | Uses definition from [CAB 1.1 RD]. |

3.3 Abbreviations

| | |
|------------|----------------------------|
| CAB | Converged Address Book |
| OMA | Open Mobile Alliance |
| PCC | Personal Contact Card |
| XML | eXtensible Markup Language |

4. Introduction

The OMA Converged Address Book (CAB) 1.1 Enabler provides consistent mechanisms to manage contact information in both user facing applications as well as in support of network facing activities. At the core of the CAB Enabler is a network-based contact repository which a user can use to store contact information. This contact information can be retrieved and utilized by any authorized CAB-enabled device. The network-based contact repository is also able to provide specific contact information to other users and to keep them up-to-date, when the data is updated.

As the CAB Enabler is expected to support many different types of information, it is expected to utilize a data model that is both flexible and extensible. Further, the data model should provide additional support for existing or legacy data formats (e.g. vCard) as a means to exchange data with users who are not already served by the CAB Enabler.

This document specifies the necessary metadata and interactions to support format adaptation between CAB Format and Legacy Format(s).

4.1 Version 1.0

This version includes rules relating to format adaptation between CAB Format and Legacy Format(s), which SHALL be supported by the interworking functions as described in [CAB 1.1 TS] “*Interworking Function*”. The Legacy Format(s) referred to include:

- vCard 2.1; and
- vCard 3.0.

5. Format Adaptation

Format adaptation between CAB Format and Legacy Format(s) SHALL be supported by the interworking function as described in [CAB 1.1 TS] “*Interworking Function*”.

Legacy Format(s) supported by the CAB interworking function SHALL include:

- vCard 2.1; and
- vCard 3.0.

5.1 vCard 2.1/vCard 3.0

The following sub-section details the supported properties and corresponding semantics between CAB Format and Legacy Format vCard objects, [vCard 2.1], [RFC2425], [RFC2426].

As all vCard 2.1, or vCard 2.0 properties support a LANGUAGE parameter, it is assumed that the LANGUAGE parameter corresponds implicitly to the “xml:lang” [W3C-XML] attribute which is permitted for all Contacts and PCC properties (both “xml:lang” and LANGUAGE refer to [RFC5646]).

5.1.1 CAB Format and Legacy Format vCard Mapping

The following table provides a mapping between CAB Format and Legacy Format vCard objects.

| Contacts or PCC Property or attribute | vCard 2.1 Property/parameter | vCard 3.0 Property/parameter |
|--|---------------------------------|---------------------------------|
|--|---------------------------------|---------------------------------|

For PCCs only <pcc>

| | | |
|----------------------|--|--|
| "pcc-type" attribute | | |
|----------------------|--|--|

For Contacts only <contact>

| | | |
|---|--|--|
| <contact-status> Cardinality: (0,1) | | |
| <contact-type> Cardinality: (0,1) | | |
| <type> Cardinality: (1,1) | | |
| <contact-type-source> Cardinality: (0,1) | | |
| <entry-status> Cardinality: (0,1) | | |
| <updated> Cardinality: (0,n) | | |
| <temporary> with "contactIdRef" attribute Cardinality: (0,1) | | |
| "contactIdRef" attribute | | |
| <contact-subscription-status> Cardinality: (0,1) | | |
| <contact-source> Cardinality: (0,1) | | |
| <common-connections> Cardinality: (0,1) | | |
| <connection> | | |

| | |
|--------------------------------------|--|
| Cardinality: (1,n) | |
| <display-name> Cardinality: (1,1) | |
| <XUI> Cardinality: (1,1) | |
| <type-list> Cardinality: (1,1) | |
| <type> Cardinality: (1,n) | |

For PCCs and Contacts <pcc> and <contacts>

| | | |
|---|---|--|
| <person-details> with "index" attribute PCC: Cardinality: (0,n) Contact: Cardinality: (0,1) | See conditions & details below The mapping corresponds to one <person-details>. | |
| "index" attribute | | |
| <name> with "pref" , "name-type" , "index" attributes Cardinality: (1,n) | <N> without the Pref attribute value and without name-type attribute value ← only the one with minimum pref value | <N> (or <Nickname> when name-type='KnownAs') , without the Pref attribute value and without name-type attribute value ← only the one with minimum pref value (without name-type) |
| "pref" attribute | | |
| "name-type" attribute | | |
| "index" attribute | | |
| <title> with 'display-order' attribute Cardinality: (0,n) | <N>; Name Prefix (fourth field) | <N>; Honorific Prefix (fourth field) |
| "display-order" attribute | | |
| "phonetic" Cardinality: (0,1) | | |
| <given> with 'display-order' attribute Cardinality: (0,n) | <N>; Given Name (second field) | |
| "display-order" attribute | | |
| "phonetic" Cardinality: (0,1) | | |
| <middle> with 'display-order' attribute Cardinality: (0,n) | <N>; Additional Names (third field) | |
| "display-order" attribute | | |
| "phonetic" Cardinality: (0,1) | | |
| <family> with 'display-order' attribute Cardinality: (0,n) | <N>; Family Name (first field) | |
| "display-order" attribute | | |
| "phonetic" Cardinality: (0,1) | | |
| <gen-id> with "display-order" attribute Cardinality: (0,n) | <N>; Name Suffix (fifth field) | <N>; Honorific Suffix (fifth field) |

| | |
|--|---|
| "display-order" attribute | |
| "phonetic" attribute Cardinality: (0,1) | |
| <degree> with "display-order" attribute Cardinality: (0,n) | <N>; Name Suffix (fifth field) <N>; Honorific Suffix (fifth field) |
| "display-order" attribute | |
| "phonetic" attribute Cardinality: (0,1) | |
| <display-name> Cardinality: (1,1) | <FN> |
| <address> with "index", "pref", "addr-type" attributes Cardinality: (0,n) | <ADR> with TYPE=addr-type value without the Index. Pref attributes values Or <LABEL> with TYPE=addr-type value without the Index. Pref attributes values ← only the first value of <address> or the one with minimum pref value see conditions & details below |
| "index" attribute | |
| "pref" attribute | |
| "addr-type" attribute | TYPE parameter |
| <location> Cardinality: (0,1) | |
| <label> Cardinality: (0,1) | |
| <addr-string> Cardinality: (0,1) | |
| <country> Cardinality: (0,1) | <ADR>; Country (seventh field) |
| <region> with "region-type" attribute Cardinality: (0,1) | <ADR>; region (fifth field) ← only the region-name i.e. without the region-type |
| "region-type" attribute | |
| <region-name> Cardinality: (1,1) | <ADR>; region (fifth field) |
| <sub-region> with "region-type" attribute | |
| "region-type" attribute | |
| <locality> with "locality-type" attribute Cardinality: (0,1) | See conditions & details below |
| "locality-type" attribute | |
| <locality-element> Cardinality: (1,1) | <ADR>; locality-element (fourth field) |
| <sub-locality> with "sublocality-type" attribute | |
| "subloc-type" attribute | |
| <street> Cardinality: (0,1) | <ADR>; Street (third field) "str-name and str-number" are just put one after the other (i.e. without separating comma) <u>Example</u> : ADR;TYPE=home ;str-name str-number ;..... |
| < str-name> | <ADR>; Street (third field) |

| | |
|--|--|
| Cardinality: (1,1) | |
| <str-number> | <ADR>; Street (third field) |
| Cardinality: (1,1) | |
| <intersection> | |
| <int-name> | |
| Cardinality: (1,1) | |
| <int-number> | |
| <post_code> | See conditions & details below |
| Cardinality: (0,1) | |
| <post-code-main> | <ADR>; post-code-main (sixth field) |
| Cardinality: (1,1) | |
| <sub-post-code> | |
| Cardinality: (1,1) | |
| <postal-delivery-point> | <ADR>; Post Office Box (first field) only the first postal-delivery-point-name without index and pref attributes |
| Cardinality: (0,1) | |
| <postal-delivery-point-name> with "index", "pref" attributes | <ADR>; Post Office Box (first field) only the first postal-delivery-point-name without index and pref attributes |
| Cardinality: (1,n) | |
| "index" attribute | |
| "pref" attribute | |
| <post-office> | |
| Cardinality: (0,1) | |
| <postal-office-name> with "index", "pref" attribute | |
| Cardinality : (1,n) | |
| "index" attribute | |
| "pref" attribute | |
| <rural-delivery-point> with "index", "pref" attributes | |
| Cardinality : (0,1) | |
| "index" attribute | |
| "pref" attribute | |
| <extended-address> with "index" attribute | <ADR>; Extended address (second field) ← only the first value of <extended-address> without index attribute |
| Cardinality : (1,n) | |
| "index" attribute | |
| <premises> with "premise-type" attribute | <ADR>; Extended address (second field) ← only the first value of <extended-address> without index attribute |
| "premise-type" attribute | |
| <premises-name> | |
| <premises-number> | |
| <sub-premises> with "sub-premises-type" attribute | |
| "sub-premises-type" attribute | |
| <sub-premises-name> | |
| Card : (0,n) | |
| <sub-premises-number> | |
| Card : (0,n) | |
| <location> | <GEO> and <TZ> |
| Cardinality: (0,1) | see conditions & details below |
| <label> | |
| <latitude> | <GEO>; lat (first field) in decimal form with "decimal value=+/- degrees + minutes/60 + seconds/3600" |
| <degrees-measure> | Decimal value is positive when lat-sign='N', negative when lat-sign='S' |
| <minutes-measure> | |

| | |
|---|---|
| <seconds-measure> | |
| <lat-sign> | |
| <longitude> | <GEO>; lon (second field) in decimal form with "decimal value=+/-degrees + minutes/60 + seconds/3600" |
| <degrees-measure> | Decimal value is positive when long-sign='E', negative when long-sign='W' |
| <minutes-measure> | |
| <seconds-measure> | |
| <long-sign> | |
| <altitude> | |
| <time-zone> | See conditions & details below |
| <tz-label> | |
| <utc-offset> | <TZ> |
| <tz-url> | |
| <comm.-addr> Cardinality: (1,1) | <TEL> and <EMAIL> with parameter PREF See conditions & details below |
| <uri-entry> with "index", "pref", "addr-uri-type", attributes Cardinality: (0,n) | See conditions & details below |
| "index" attribute | |
| "pref" attribute | a) When addr-uri-type = 'email' <EMAIL>;PREF;TYPE=addr-uri-type values:uri PREF is only used for the uri with the minimum "pref" value b) When addr-uri-type="SIP URI" or "IM" or "pres URI" <IMPP>;PREF:uri PREF is only used for the uri with the minimum "pref" value |
| "addr-uri-type" attribute | |
| <addr-uri> Cardinality: (1,1) | |
| < label> (i.e communication mean) | |
| <tel> with "index", "pref", "tel-type" Cardinality: (0,n) | See conditions & details below |
| "index" attribute | |
| "pref" attribute | <TEL>;PREF;TYPE=tel-type: tel-nb and extension translated to an X500 value PREF is only used for the tel with the minimum "pref" value |
| "tel-type" attribute | |
| <tel-nb> which is <tel-str> or <tel-uri> or <E.164> Cardinality: (1,1) | |
| <extension> | |
| <label> | |
| <birth> Cardinality: (0,1) | <BDAY> see conditions & details below |
| < date> Cardinality: (0, 1) | <BDAY> |
| <non-greg-date> with "cal-type" attribute Cardinality: (0,n) | |
| "cal-type" attribute | |
| "index" attribute | |
| <place>> with "index" attribute Cardinality: (1,n) | |
| "index" attribute | |
| <anniversary-list> | |

| | | |
|--|--|--------------|
| Cardinality: (0,1) | | |
| <anniversary-entry> Cardinality: (1,n) | | |
| "index" attribute | | |
| <anniversary-date> Cardinality: (0,1) | | |
| <date> Cardinality: (0,1) | | |
| <non-greg-date> with "cal-type" and index attributes Cardinality: (0,n) | | |
| "cal-type" attribute | | |
| "index" attribute | | |
| < label> | | |
| <gender> Cardinality: (0,1) | | |
| <language-list> Cardinality: (0,1) | | |
| <language-entry> with "language-proficiency- type", "language- fluency-type", "index" attributes Cardinality: (1,n) | | |
| "language- proficiency-type" attribute | | |
| "language- fluency-type" attribute | | |
| "index" attribute | | |
| "pref" attribute | | |
| <media-list> Cardinality: (0,1) | <SOUND> and <LOGO> and <PHOTO> see conditions & details below | |
| <media-entry> with "media- content", "media-type" , "index", "pref" attributes Cardinality: (1,n) | See conditions and details below | |
| | When media-content is "video" | |
| "media-content" attribute | | |
| "media-type" attribute | | |
| "index" attribute | | |
| "pref" attribute | | |
| "media" | When media-content is "sound" or "logo" or "photo" <SOUND> or <LOGO> or <PHOTO> with TYPE="a translation of media-type attribute i.e TYPE=the media type value when media- content = photo or logo (see RFC4288)" | |
| <media-label> | | |
| <category-list> Cardinality: (0,1) | | <CATEGORIES> |
| <category-entry> with "index" attribute | | <CATEGORIES> |

| | | |
|--|--|--|
| | Cardinality: (1,n) | |
| | "index" attribute | |
| <web-resources> Cardinality: (0,1) | | <URL> see conditions & details below |
| | <web-entry> with "index" attribute | |
| | "index" attribute | |
| | <url> Cardinality: (1,1) | <URL> ← only the first value of <url> without the pref attribute value |
| | <label> | |
| <key-list> Cardinality: (0,1) | | <KEY> with TYPE= key-type value |
| | <key-entry> with "display-order", "key- type" attributes | |
| | "display-order" attribute | |
| | "key-type" attribute | <KEY> with TYPE= key-type value |
| | <key> Cardinality: (1,1) | |
| | <label> | |
| <service-list> Cardinality: (0,1) | | |
| | <service-entry> with "index" attribute Cardinality: (1,n) | |
| | "index" attribute | |
| | <label> | |
| | <alias> | |
| | <url> | |
| <expertise-list> Cardinality: (0,1) | | |
| | <expertise-entry> with "e- level", "index" attributes Cardinality: (1,n) | |
| | "e-level" attribute | |
| | "index" attribute | |
| <hobby-list> Cardinality: (0,1) | | |
| | <hobby-entry > with "h- level", "index" attributes Cardinality: (1,n) | |
| | "h-level" attribute | |
| | "index" attribute | |
| <interest-list> Cardinality: (0,1) | | |
| | <interest-entry > with "i- level", "index" attributes Cardinality: (1,n) | |
| | "i-level" attribute | |
| | "index" attribute | |
| <career-history> | | |

| | | |
|--|--|--|
| Cardinality: (0,1) | | |
| <history-entry> with "index" attribute Cardinality: (1,n) | | |
| "index" attribute | | |
| <history-description> with "history-type" attribute Cardinality: (1,1) | | |
| "history-type" attribute | | |
| <start-date> with "cal-type" | | |
| "cal-type" attribute | | |
| "end-date" with "cal-type" attribute | | |
| "cal-type" attribute | | |
| <note> Cardinality: (0,1) | <NOTE> | |
| <public-note> Cardinality: (0,1) | | |
| Any other elements | | |
| <service-provider-specific-list> Cardinality: (0,1) | | |
| <sp-specific-entry> with "index" attribute Cardinality: (1,n) | | |
| "index" attribute | | |
| <sp-specific-label> Cardinality: (1,1) | | |
| <sp-data> Cardinality: (1,1) | | |
| <org-details> with "index" attribute PCC: Cardinality: (0,n) Contact: Cardinality: (0,1) | See conditions & details below The mapping corresponds to one <organization-details> | |
| "index" attribute | | |
| <org-name> with "pref", "org-name-type", "index" attributes Cardinality: (1,n) | <ORG> see conditions & details below | |
| "pref" attribute | | |
| "org-name-type" attribute | | |
| "index" attribute | | |
| <display-name> Cardinality: (0,1) | <ORG> ← only the display-name and unit values included in the first occurrence of <org-name> without the pref, "index" and org-name-type attributes values | |
| <unit> Cardinality: (0,1) | | |
| <entity> Cardinality: (0,1) | | |
| <org-member-list> Cardinality: (0,1) | | |
| <org-directory> Cardinality: (0,1) | | |

| | |
|--|--|
| <comm-addr> Cardinality: (0,1) | |
| <media-list> Cardinality: (0,1) | |
| <web-resources> Cardinality: (0,1) | |
| <key-list> Cardinality: (0,1) | |
| Any other elements | |
| <group-details> with "index" attribute PCC: Cardinality: (0,n) Contact : Cardinality : (0,1) | |
| "index" attribute | |
| <group-name> Cardinality: (1,n) | |
| <group-member-list> Cardinality: (0,1) | |
| <group-uri> Cardinality: (0,1) | |
| <comm-addr> Cardinality: (0,1) | |
| <media-list> Cardinality: (0,1) | |
| <web-resources> Cardinality: (0,1) | |
| <key-list> Cardinality: (0,1) | |
| Any other elements | |
| Any other elements | |

Table 1: Mapping between CAB Format and Legacy Format(s)

Appendix A. Change History (Informative)

A.1 Approved Version History

| Reference | Date | Description |
|-----------|------|--|
| n/a | n/a | No prior version –or- No previous version within OMA |

A.2 Draft/Candidate Version 1.0 History

| Document Identifier | Date | Sections | Description |
|---|-------------|----------------------------|---|
| Draft Versions OMA-TS-CAB_FormatAdapt-V1_0 | 07 Feb 2012 | All | TS derived from OMA-Template-Spec-20120101-I and incorporating applicable sub-sections of OMA-TS-CAB-V1_1-20111129-D. |
| | 02 Mar 2012 | 2, 3, 5, Appendix C. | Editorial fixes (including consistency of references with other CAB v1.1 documents), plus checks to ensure latest updates to 5.4.6 (CAB v1.0) have been applied to the new TS; Incorporated CRs: OMA-COM-CAB-M-2012-0006-CR_Contact_Type_Tables (CAB v1.0) OMA-COM-CAB-2012-0006R01- CR_Section_5_4_6_Format_adaptation_1st_update (CAB v1.1) |
| | 15 May 2012 | All | Editorial cleanup as a pre-cursor to addressing CONR comments. |
| | 25 Jun 2012 | 2, 4 | Editorial cleanup, and incorporated following CRs: OMA-COM-CAB-2012-0112. |
| Candidate Version: OMA-TS-CAB_FormatAdapt-V1_0 | 04 Sep 2012 | All | Status changed to Candidate by TP: OMA-TP-2012-0327-INP_CAB_V1_1_ERP_for_Candidate_Approval |

Appendix B. Static Conformance Requirements (Normative)

The notation used in this appendix is specified in [SCRRULES].

B.1 SCR for CAB Client

| Item | Function | Reference | Requirement |
|------|----------|-----------|-------------|
| | | | |

B.2 SCR for CAB Server

| Item | Function | Reference | Requirement |
|------------------|---|----------------------------|-------------|
| CAB-SYNC-S-004-O | Support for Format Adaptation | Section 5.1 Section 5.2 | |
| CAB-IWF-S-008-Y | Support for the format adaptation between CAB format and Legacy format(s) | Section 5.1 Section 5.2 | |

Appendix C. X-CAB parameters and fields definitions (Informative)

This annex defines informative vCard extensions (i.e. X-CAB based) that may be applied when format adaptation between CAB Format and Legacy Format is performed.

C.1 CAB Format Elements - extensions

Note: The following table includes extensions for some of the CAB format elements, but it is not exhaustive.

| CAB attributes | Initial vCard parameter | vCard extensions (parameters) |
|-----------------------------|-------------------------|---|
| "pcc-type" | | Used as a property not as a parameter (see 2 nd table below) |
| "contactIdRef" | | X-CAB-CONTACT-ID-REF (used in X-CAB-CONTACT-STATUS to indicate, when temporary element is used, a reference to the Contact Entry to which the contact activity-status is associated with) |
| "index" | | X-CAB-INDEX (possible values : token) |
| "language-proficiency-type" | | X-CAB-LANGUAGE-PROFICIENCY-TYPE (possible values : "read only", "speak", "read/write") |
| "language-fluency-type" | | X-CAB-LANGUAGE-FLUENCY-TYPE (possible values : "beginner", "average", "fluent") |
| "q-level" | | "X-CAB-LEVEL" (possible values : "beginner", "average", "expert") |
| "h-level" | | "X-CAB-LEVEL" (possible values : "high", "medium", "low") |
| "i-level" | | "X-CAB-LEVEL" (possible values : "high", "medium", "low") |
| "org-name-type" | "TYPE" | as in last vCard specification with specific values (possible values : "LegalName", "FormerName", "OfficialName") |

| PCC document attribute | Initial Vcard property | vCard extensions (fields) |
|------------------------|------------------------|--|
| pcc-type | | <p>X-CAB-PCC-TYPE</p> <p>Purpose: To specify the kind of object the vCard represents.</p> <p>Value type: A single text value.</p> <p>Cardinality: (0,1)</p> <p>Special note: The value may be one of: "individual", "group" and "organization"</p> <p>If this property is absent, "individual" MUST be assumed as default.</p> |

| | | |
|---|--|--|
| <p>Contact-type (type, contact-type-source)</p> <p>&entry-status</p> <p>& Contact-subscription-status</p> <p>& Contact-source</p> | | <p>X-CAB-CONTACT-STATUS</p> <p>Purpose: To specify the CAB status of the object the vCard represents.</p> <p>Value type: A single structured value consisting of 5 values separated by the SEMI-COLON character (ASCII decimal 59) :</p> <p>1 contact-type (possible value : "CAB" if the contact is a CAB user, "non-CAB" if the contact is not a CAB user)</p> <p>2 contact-type-source (possible values: "presence", "cab_subscription", "cab_search", "other")</p> <p>3 entry-status. This field is composed of one or both of the following sub-fields :</p> <p>- updated : indicating that the contact has been updated by the CAB server, as a result of automatic updates from incoming subscription request(s) (possible values :</p> |
|---|--|--|

| | | |
|--|--|--|
| | | <p>"incoming subscription request") and contact share (possible values: "contact share") (values are separated by commas).</p> <p>- temporary (possible values : "contact subscription", "contact imported", "contact added", "incoming subscription request" and contact share (possible values: "contact share"). This field may include a X-CAB-CONTACT-ID-REF parameter (field value and parameter are separated by a comma).</p> <p>4 contact-subscription-status (possible values : "active", "pending", "denied", "invalid filter", "not found", "other_error")</p> <p>5 contact-source indicating the latest source from which the contact data was obtained or updated (default value "CAB")</p> <p>6 common-connections. This field contains the following sub-field :</p> <p style="padding-left: 20px;">- Connection : defining the status of the common connection between the user and someone else (display-name, XUI, type-list)</p> <p>Cardinality: (1,1)</p> |
|--|--|--|

C.1.1 Person-details Elements

| | | |
|-----------------|--|--|
| Gender | | <p>X-CAB-SEX</p> <p>Purpose: To specify the sex of the object the vCard represents, as defined in [ISO.5218.2004].</p> <p>Value type: A single integer value.</p> <p>Cardinality: (0,1)</p> <p>Special note: The value 0 stands for "not known", 1 stands for "male", 2 stands for "female", 3 stands for "other" and 9 stands for "not applicable".</p> |
| Language-entry | | <p>X-CAB-LANG</p> <p>Purpose: To specify the language(s) that may be used for contacting the individual associated with the vCard.</p> <p>Value type: A single language-tag value.</p> <p>Cardinality: (0,n)</p> <p>Special note: This property can include "X-CAB-LANGUAGE-PROFICIENCY-TYPE", "X-CAB-LANGUAGE-FLUENCY-TYPE" parameters. This property can include an "X-CAB-INDEX" parameter.</p> |
| Service-entry | | <p>X-CAB-SERVICE</p> <p>Purpose: To specify the aliases used on different sites by the object that the vCard refers to.</p> <p>Value type: A single structured value consisting of 3 values separated by the SEMI-COLON character (ASCII decimal 59) :</p> <p>1 label</p> <p>2 alias</p> <p>3 url</p> <p>Cardinality: (0,n)</p> <p>Special note: This property can include the "X-CAB-INDEX" parameter</p> |
| Expertise-entry | | <p>X-CAB-EXPERTISE</p> <p>Purpose: To specify the expertise(s) of the object that the vCard refers to.</p> <p>Value type: A single string value.</p> <p>Special note: This property can include the X_CAB-LEVEL parameter (possible values : "beginner", "average", "expert"). This property can include the "X-CAB-</p> |

| | | |
|----------------|--|---|
| | | INDEX" parameter. Cardinality: (0,n) |
| Hobby-entry | | X-CAB-HOBBY Purpose: To specify the hobbies of the object that the vCard refers to. Value type: A single string value. Special note: This property can include the X_CAB-LEVEL parameter (possible values : "high", "medium", "low"). This property can include the "X-CAB-INDEX" parameter. Cardinality: (0,n) |
| Interest-entry | | X-CAB-INTEREST Purpose: To specify the interest(s) of the object that the vCard refers to. Value type: A single string value Special note: This property can include the X-CAB-LEVEL parameter (possible values : "high", "medium", "low"). This property can include the "X-CAB-INDEX" parameter. Cardinality: (0,n) |
| Public-note | | X-CAB-PUBLICNOTE Purpose: To specify additional information associated with the object the vCard refers to. Value type: A single string value Cardinality: (0,n) |

C.1.2 Organization-directory

| | | |
|---------------|-------|---|
| Org-directory | <ORG> | X-CAB-ORG-DIRECTORY Purpose: To specify the organization-directory of the object the vCard represents. Value type: A single structured value consisting of : - directory (a URI) Cardinality: (0,n) Special note: This property can include the PREF and X-CAB-INDEX parameters. |
|---------------|-------|---|