Enabler Release Definition for

vObject minimum interoperability profile

Candidate Version 1.0 – 18 Jan 2005

Open Mobile Alliance

OMA-ERELD_vObjectOMAProfile-V1_0-20050118-C

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

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.

© 2005 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
5. ENABLER RELEASE SPECIFICATION BASELINE 8
6. MINIMUM FUNCTIONALITY DESCRIPTION FOR VOBJECT MINIMUM INTEROPERABILITY PROFILE V1.0 9
7. CONFORMANCE REQUIREMENTS NOTATION DETAILS 10
8. ERDEF FOR VOBJECT MINIMUM INTEROPERABILITY PROFILE V1.0- CLIENT REQUIREMENTS 11
9. ERDEF FOR VOBJECT MINIMUM INTEROPERABILITY PROFILE V1.0 - SERVER REQUIREMENTS 12
APPENDIX A. CHANGE HISTORY (INFORMATIVE) 13
A.1 APPROVED VERSION HISTORY 13
A.2 DRAFT/CANDIDATE VERSION 1.0 HISTORY 13

Tables

Table 1 ERDEF for vObject minimum interoperability profile V1.0 Client-side Requirements 11
Table 2 ERDEF for vObject minimum interoperability profile V1.0 Server-side Requirements 12

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

1. Scope

The scope of this document is limited to the Enabler Release Definition of vObject minimum interoperability profile V1.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

The vObject enabler defines vObject(vCard, vCalendar, vBookmark) minimum interoperbility profile and implementation guideline to ensure consistent and unambigous interpretation of the relevant base specifications vCard2.1, vCalendar1.0 and vBookmark1.0.

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

2. References

2.1 Normative References

[IOPPROC] "OMA Interoperability Policy and Process", Version 1.1, Open Mobile Alliance™, OMA-IOP-Process-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

[vObjProfile] "vObject minimum interoperability profile V1.0", Version 1.0, Open Mobile Alliance™, OMA-ERELD_vObjectOMAProfile-V1_0-20050118-C, URL:http://www.openmobilealliance.org/

[vObjProfile_RD] "vObject OMA Minimum Interoperability Profile Requirements V1.0", Open Mobile Alliance™, OMA-RD_vObjectOMAProfile-V1_0, URL:http://www.openmobilealliance.org/

2.2 Informative References

[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

[vCal1.0] "vCalendar The Electronic Calendaring and Scheduling Exchange Format Version 1.0", A versit Consortium Specification, September 18, 1996

URL: http://www.imc.org/pdi/vcal-10.doc

[vBook1.0] "IrDA Infrared Mobile Communications v1.1"

URL:http://www.irda.org/

[SyncML-IOP-Whitepaper] "SyncML Common Object Interoperability White Paper"

OMA-DS-2004-0052-Interoperability-White-Paper on OMA DS web portal

[RFC2821] "Simple Mail Transfer Protocol", J. Klensin, AT&T Laboratories, April 2001

http://www.faqs.org/rfcs/rfc2821.html

[RFC2045] "Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies", N. Freed, Innosoft, N. Borenstein, First Virtual, November 1996

[RFC2822] "Internet Message Format"

P. Resnick, Editor, QUALCOMM Incorporated, April 2001
Category: Standards Track

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

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.

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 [IOPPROC].

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.
vObject Composer	An application to compose vObject data
vObject Parser	An application to parse vObject data

3.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
JPEG	Joint Photographic Expert Group
UTC	Universal Time Coordinated

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

4. Introduction

This document outlines the Enabler Release Definition for vObject minimum interoperbility profile V1.0 [vObjProfile] and the respective conformance requirements for clients and servers implementing claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

vObject minimum interoperability profile V1.0 defines a set of vObject (vCard, vCalendar and vBookmark) conformance, constrains the implimentation choices from original vCard 2.1 [vCard2.1], vCalendar 1.0 [vCal1.0]and vBookmark 1.0 [vBook1.0]specifications and clarifies the ambiguities of the syntax contained in those specifications.

vObject minimum interoperability profile V.0 includes minimum interoperability profiles of vCard 2.1, vCalendar 1.0 and vBookmark1.0.

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

5. Enabler Release Specification Baseline

This section is normative.

The Enabler comprises the following specifications:

“vObject minimum interoperability profile V1.0”[vObjProfile]

“vObject OMA Minimum Interoperability Profile Requirements V1.0”[vObjProfile_RD]

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

6. Minimum Functionality Description for vObject minimum interoperability profile V1.0

The vObject composer composes mandatory supported properties defined in vObject minimum interoperability profile V1.0 [vObjProfile].

The vObject parser parses and registers mandatory supported properties defined in vObject minimum interoperability profile V1.0 [vObjProfile].

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

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 [IOPPROC].

Feature/Application: Entry in this column SHOULD be a short descriptive label to the **Item** in question.

Status: Entry in this column MUST accurately reflect the architectural status of the **Item** in question.

- M means the **Item** is mandatory for the class
- O means the **Item** is optional for the class
- NA means the **Item** is not applicable for the class

Requirement: Expression in the column MUST be a valid TerminalExpression according to [IOPPROC] and it MUST accurately reflect the architectural requirement of the **Item** in question.

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

8. ERDEF for vObject minimum interoperability profile V1.0- Client Requirements

This section is normative.

Item	Feature / Application	Status	Requirement
OMA-ERDEF-vObjProf-C-001	vObject Client support	M	vObjProfile -Gen-C-001

Table 1 ERDEF for vObject minimum interoperability profile V1.0 Client-side Requirements

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

9. ERDEF for vObject minimum interoperability profile V1.0 - Server Requirements

This section is normative.

Item	Feature / Application	Status	Requirement
OMA-ERDEF-vObjProf-S-001	vObject Server support	M	vObjProfile -Gen-C-001

Table 2 ERDEF for vObject minimum interoperability profile V1.0 Server-side Requirements

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.

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-ERELD_vObjectOMAProfile-V1_0	05 Nov 2004	All	Initial version
	14 Dec 2004	2.2, 5, 6, 8, 9	According to consistency review comments received from REL
Candidate Version OMA-ERELD_vObject-V1_0	18 Jan 2005	n/a	Status changed to Candidate by TP TP ref # OMA-TP-2005-0014-vObject-V1_0-for-Candidate-approval

© 2005 Open Mobile Alliance Ltd. All Rights Reserved.
Used with the permission of the Open Mobile Alliance Ltd. under the terms as stated in this document.