



Enabler Release Definition for User Agent Profile

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Open Mobile Alliance
OMA-ERELD-UAProf-V2_0_1-20070625-A

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Contents

- 1. SCOPE4
- 2. REFERENCES5
 - 2.1 NORMATIVE REFERENCES.....5
 - 2.2 INFORMATIVE REFERENCES.....5
- 3. TERMINOLOGY AND CONVENTIONS6
 - 3.1 CONVENTIONS6
 - 3.2 DEFINITIONS.....6
 - 3.3 ABBREVIATIONS6
- 4. RELEASE VERSION 2.0 OVERVIEW7
 - 4.1 VERSION 2.0.1 FUNCTIONALITY7
- 5. DOCUMENT LISTING FOR UAPROF8
- 6. MINIMUM FUNCTIONALITY DESCRIPTION FOR UAPROF9
- 7. CONFORMANCE REQUIREMENTS NOTATION DETAILS10
- 8. ERDEF FOR UAPROF - CLIENT REQUIREMENTS.....11
- 9. ERDEF FOR UAPROF - SERVER REQUIREMENTS.....12
- APPENDIX A. CHANGE HISTORY (INFORMATIVE).....13
 - A.1 APPROVED VERSION 2.0 HISTORY13

Tables

- Table 1: Listing of Documents in UAProf Enabler8
- Table 2: ERDEF for UAProf Client-side Requirements11
- Table 3: ERDEF for UAProf Server-side Requirements12

1. Scope

The scope of this document is limited to the Enabler Release Definition of User Agent Profile (UAPProf) according to OMA Release process and the Enabler Release specification baseline listed in section 5.

OMA's *User Agent Profile* specification is concerned with capturing classes of device capabilities and preference information. These classes include (but are not restricted to) the hardware and software characteristics of the device as well as information about the network to which the device is connected. The user agent profile contains information used for *content formatting purposes*. A user agent profile is distinct from a *user preference profile* that would contain application-specific information about the user for content *selection* purposes.

2. References

2.1 Normative References

- CCPP** “Composite Capability/Preference Profiles (CC/PP): Structure and Vocabularies”, G. Klyne, F. Reynolds, C. Woodrow, H. Ohto, URL: <http://www.w3.org/TR/CCPP-struct-vocab>
- CREQ** “Specification of WAP Conformance Requirements”. WAP Forum™. WAP-221-CREQ, URL: <http://www.openmobilealliance.org/>
- OMA-UAPROF** “User Agent Profile”, Open Mobile Alliance™. OMA-WAP-UAProf-v2_0, URL: <http://www.openmobilealliance.org/>
- RDF** “RDF Semantics”, World Wide Web Consortium, P. Hayes, URL: <http://www.w3.org/TR/rdf-mt>
- RDF-Schema** “RDF Vocabulary Description Language 1.0: RDF Schema”, World Wide Web Consortium, D. Brickley, R. V. Guha, URL: <http://www.w3.org/TR/rdf-schema>
- RFC2119** “Key words for use in RFCs to Indicate Requirement Levels”, RFC2119, S. Bradner, March 1997, URL: <http://www.ietf.org/rfc/rfc2119.txt>

2.2 Informative References

- W-HTTP** “WAP Wireless Profiled HTTP”, WAP Forum™. WAP-229-HTTP, URL: <http://www.openmobilealliance.org/>
- WSP** “Wireless Session Protocol Specification”, WAP Forum™, WAP-230-WSP, URL: <http://www.openmobilealliance.org/>
- UVMT** UAProf Vocabulary Management Tool
URL : <http://www.openmobilealliance.org/tech/profiles/uaprof/index.asp>

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 [CREQ].

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

CCPP	Composite Capability Preference Profile
CPI	Capability Preference Information
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
UAPROF	User Agent Profile

4. Release Version 2.0 Overview

This document outlines the Enabler Release Definition for the User Agent Profile (UAPProf) and the respective conformance requirements for clients and servers implementing claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

The UAPProf specification defines an architecture to enable the end-to-end flow of a User Agent Profile, also referred to as **Capability and Preference Information** (CPI), between a client, the intermediate network points (proxies and gateways), and the origin server. It interoperates with the emerging standard for Composite Capability/Preference Profile (CC/PP) [CCPP].

UAPProf uses the CC/PP model to define a robust, extensible framework for describing and transmitting CPI about the client, user, and network.

UAPProf is based on the following technologies:

- **Resource Description Framework [RDF]**. Used to define the data model for a User Agent Profile.
- **Resource Description Framework Schema [RDF-Schema]**. Used to define the User Agent Profile vocabulary as defined in [OMA-UAPROF].
- **Composite Capability/Preference Profile [CCPP]**. Defines a high-level structured framework for describing a CPI using the Resource Description Framework (RDF) [RDF].

4.1 Version 2.0.1 Functionality

The only change in functionality with this new version of the UAPProf specification is an update to the core Vocabulary Schema, adding elements which have been agreed from the list of community-submitted suggestions on UVMT [1].

The list of properties which were added can be seen by consulting the UVMT. All properties with the status “Agreed” are now added to the UAPProf core vocabulary.

5. Document Listing for UAPProf

This section is normative.

Doc Ref	Permanent Document Reference	Description
Technical Specifications		
[UAPProf]	OMA-TS-UAPProf-V2_0-20060206-A	The <i>User Agent Profile</i> specification is concerned with capturing classes of device capabilities and preference information. These classes include (but are not restricted to) the hardware and software characteristics of the device as well as information about the network to which the device is connected.
Supporting Files		
[ccppschema]	OMA-SUP-XSD_ccppschema-V2_0_1-20070511-A.txt	<p>A repository of schemas for UAPProf's base vocabulary is available at the following URI: http://www.openmobilealliance.org/tech/profiles/UAPProf</p> <p>A user-friendly, description of the base vocabulary is provided in the following URI in HTML format: http://www.openmobilealliance.org/tech/profiles/ccppschema-20030226.html</p> <p>If an attribute has authoritative values, the authoritative values are listed in the HTML file</p>
[xmlschema]	OMA-SUP-XSD_xmlschema-V2_0-20030226-A.txt	<p>The datatypes used by the base vocabulary are defined in an XML Schema. The XML Schemas are also stored in the following URI: http://www.openmobilealliance.org/tech/profiles/UAPProf</p>

Table 1: Listing of Documents in UAPProf Enabler

6. Minimum Functionality Description for UAPProf

This section is informative.

The minimum functionality for the UAPProf [OMA-UAPROF] specification includes:

- Profile transport (using [WSP] or [W-HTTP])
- Profiles conform to rules defined in [OMA-UAPROF]
- Schemas conform to rules defined in [OMA-UAPROF]

The UAPProf specification also defines the following optional functionality:

- Client and server support profile differences
- Profiles use defaults as defined in [CCPP]

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 [CREQ].
- 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 [CREQ] and it MUST accurately reflect the architectural requirement of the **Item** in question.

8. ERDEF for UAProf - Client Requirements

This section is normative.

Item	Feature / Application	Status	Requirement
OMA-ERDEF-UAProf-C-001	UAProf Client	M	UAProf:MCF

Table 2: ERDEF for UAProf Client-side Requirements

9. ERDEF for UAPProf - Server Requirements

This section is normative.

Item	Feature / Application	Status	Requirement
OMA-ERDEF-UAPProf-S-001	UAPProf Server	M	UAPProf:MCF

Table 3: ERDEF for UAPProf Server-side Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version 2.0 History

Reference	Date	Description
OMA-ERELED-UAProf-V2_0	17 Jan 2006	Approved by TP Ref TP Doc# OMA-TP-2005-0351-INP_UAProf_V2_0_for_final_approval
OMA-ERELED-UAProf-V2_0	06 Feb 2006	Implementation of Class 3 CRs to OMA-TS-UAProf-V2_0: OMA-UAPROF-2005-0024-CR-UAPROF-Appendix-A OMA-UAPROF-2005-0022R01-CR_UAPROF20 Note. The service indicator part of the version number has not been incremented as the material had not yet been published at the time when the changes were incorporated,
OMA-ERELED-UAProf-V2_0_1	11 May 2007	Update of the ccpschema file: OMA-DCAP-2007-0025-INP_Update_Of_Ccpp_Schema ERELED updated with: - 2007 template - correct SUP file names in section 5 - Fixed cross-references
	25 Jun 2007	Update of the ccpschema file: OMA-DCAP-2007-0066-CR_CCPP_Schema_Changes (to replace the above INP contribution: OMA-DCAP-2007-0025-INP_Update_Of_Ccpp_Schema)