



Enabler Release Definition for User Agent Profile Version 1.1

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Open Mobile Alliance
OMA-ERELD-UAProf-V1_1-20110405-A

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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-UAPProf-v1_1.
URL: <http://www.openmobilealliance.org/>
- RDF** “Resource Description Framework (RDF) Model and Syntax Specification”, World Wide Web Consortium Recommendation, O. Lassila, R. Swick, February 1999.
URL: <http://www.w3.org/TR/rdf-mt>
- RDF-Schema** “RDF Schema Specification”, World Wide Web Consortium, D. Brickley, R. V. Guha, March 1999.
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/>

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. Introduction

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].

5. Enabler Release Specification Baseline

This section is normative.

The following specifications comprises the UAPProf enabler release:

“User Agent Profile Version 1.1” [OMA-UAPROF]

6. Minimum Functionality Description

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

Table 1: ERDEF for UAProf Client-side Requirements

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

9. ERDEF for UAPProf - Server Requirements

Table 2: ERDEF for UAPProf Server-side Requirements

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

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELD-UAProf-V1_1-20110405-A	05 Apr 2011	Status changed to Approved by TP TP ref # OMA-TP-2011-0099-INP_UAProf_V1_1_ERP_for_Final_Approval