Reference Release Definition for Client-Side Enabler API

Candidate Version 1.0 – 27 Apr 2010

Open Mobile Alliance

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1. Scope

The scope of this document is limited to the Reference Release Definition of Client Side Enabler API (CSEA) 1.0 according to OMA Release process and the Reference Release document baseline listed in section 5.

As a core feature of the "programmable Web" environment enabling Web 2.0, CSEA focuses on the definition of API's. As an application environment capability, API's make client and server functions programmable, and change the market impact of what were previous siloed or inaccessible to applications and functions, by integrating them into Web 2.0.

CSEA further focuses on the definition of API's as provided to client-side applications executing in Web runtime environments, e.g. in Web browsers or widget engines. The Web application environment provides a consistent application programming model through the use of Javascript as the primary procedural language through which application logic is coded and the CSEA API's will be defined. The OMA Browsing enabler is thus closely related to the CSEA enabler, in that a Web runtime environment such as defined in the OMA Browsing enabler is a foundational requirement for client-side Web applications.

The API's to be defined by CSEA are specifically scoped to enable Web application access to the services provided by OMA enablers as made available on the host device, e.g. through OMA enabler clients or other device software.

2. References

2.1 Normative References

[RFC2119]	"Key words for use in RFCs to Indicate Requirement Levels", S. Bradner, March 1997, URL:http://www.ietf.org/rfc/rfc2119.txt
[DCD]	"Enabler Release Definition for Dynamic Content Delivery". Open Mobile Alliance™. OMA-ERELD-DCD-V1_0. URL:http://www.openmobilealliance.org/
[DPE]	"Enabler Release Definition for Device Profile Evolution ". Open Mobile Alliance™. OMA-ERELD-DPE-V1_0. URL:http://www.openmobilealliance.org/
[PUSH]	"Enabler Release Definition for Push". Open Mobile Alliance™. OMA-ERELD-Push-V2_2. URL:http://www.openmobilealliance.org/

2.2 Informative References

[OMADICT]	"Dictionary for OMA Specifications", Version x.y, Open Mobile Alliance™, OMA-ORG-Dictionary-Vx_y, 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 "Release Version Overview" are normative, unless they are explicitly indicated to be informative.

3.2 Definitions

Reference Release	A set of specifications and/or white papers which form a formal deliverable of OMA. The release can be referenced or otherwise used to support implementable enabler releases, but it cannot by itself be implemented in products.
Reference Release Definition	A definition of the documents that are included in a Reference Release.

3.3 Abbreviations

DCD	Dynamic Content Delivery
DPE	Device Profile Evolution
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
RRELD	Reference Release Definition

4. Release Version Overview

4.1 Version 1.0 Functionality

In its initial release, CSEA is scoped to define the API requirements for the following OMA enablers:

- OMA enablers focused on access to content, as a typical web application need: initially limited to DCD, Push

- OMA enablers supplementing the web application experience with key capabilities enabling application personalization and contextualization: initially limited to DPE

Subsequent releases may be defined to extend this set of OMA enablers.

5. Document Listing for CSEA 1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[CSEA_RD]	OMA-RD-CSEA-V1_0-20100427-C	Requirement Document for CSEA 1.0 Reference Package

Table 1: Listing of Documents in CSEA 1.0 Reference Release

6. OMNA Considerations

None.

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	16 Feb 2010	All	Initial baseline.
OMA-CSEA-V1_0	24 Feb 2010	5	Updated Document Listing
Draft Versions OMA-CSEA-V1_0	27 Apr 2010	All	Status changed to Candidate by TP TP ref#: OMA-TP-2010-0183- INP_CSEA_V1_0_RRP_for_Candidate_Approval