



# **Enabler Release Definition for Client Side Content Screening Framework**

Candidate Version 1.0 – 09 Feb 2006

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**Open Mobile Alliance**  
OMA-ERELED-Client\_Side\_CS\_FW-V1\_0-20060209-C

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# 1. Scope

The scope of this document is limited to the Enabler Release Definition of Client Side Content Screening Framework according to OMA Release process and the Enabler Release specification baseline listed in section 5. The Client Side Content Screening Framework [CSCSF-TS] defines technical details of interfaces and interaction mechanism necessary for implementing the OMA Client Side Content Screening Framework to screen malicious content at the mobile terminal. The specification addresses specific requirements enumerated in Error! Reference source not found. and adheres to the architecture described in Error! Reference source not found.. Internal mechanism of the content scanning entity (such as the scan engine, scanning rules, and updating of such engine and rules) are out of the scope of the work.

## 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/](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](http://www.ietf.org/rfc/rfc2119.txt)
- [CSCSF-RD] “OMA Client Side Content Screening Framework Requirements”, Version 1.0, Open Mobile Alliance™, OMA-RD-Client\_Side\_CS\_FW-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CSCSF-AD] “OMA Client Side Content Screening Framework Architecture”, Version 1.0, Open Mobile Alliance™, OMA-AD-Client\_Side\_CS\_FW-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [CSCSF-TS] “OMA Client Side Content Screening Framework Specification”, Version 1.0, Open Mobile Alliance™, OMA-TS-Client\_Side\_CS\_FW-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)

### 2.2 Informative References

## 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.

### 3.3 Abbreviations

**ERDEF** Enabler Requirement Definition

**ERELD** Enabler Release Definition

**OMA** Open Mobile Alliance

## 4. Introduction

This document outlines the Enabler Release Definition for Client Side Content Screening Framework 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 Client Side Content Screening Framework defines the framework interfaces for use by OMA and non-OMA enablers residing in mobile terminals for utilizing content scanning functionality to detect and screen malicious content. Details on how such enablers interact with the content scanning functionality through these interfaces are also defined. Recommended interface invocation time, screening actions, and use of interfaces in particular execution environments are described as informative purpose.

## 5. Enabler Release Specification Baseline

This section is normative.

The following section comprises the OMA Client Side Content Screening Framework v1.0 enabler release.

Doc Ref	Permanent Document Reference	Description
<b>Requirement Document</b>		
[CSCSF-RD]	OMA-RD-Client_Side_CS_FW-V1_0-20060118-C	Requirement Document for Client Side Content Screening Framework Enabler
<b>Architecture Document</b>		
[CSCSF-AD]	OMA-AD-Client_Side_CS_FW-V1_0-20060209-C	Architecture Document for Client Side Content Screening Framework Enabler
<b>Technical Specifications</b>		
[CSCSF-TS]	OMA-TS-Client_Side_CS_FW-V1_0-20060209-C	Specification that defines the technical details of the interfaces and interaction mechanism necessary for implementing the Client Side Content Screening Framework

**Table 1: Listing of Documents in Client Side Content Screening Framework**



## 6. Minimum Functionality Description for Client Side Content Screening Framework

This section describes the functionality that is delivered with the OMA Client Side Content Screening Framework specifications and their internal mandatory requirements.

The mandatory functionality of the Client Side Content Screening Framework defines an interface that is used by enabler related to end-user content delivery and/or processing for content scanning. The input comprises of data and type of the content that needs to be scanned. The output is the result of the scan and the status code.

The optional functionality covers the name of the threat and the severity level which are returned by the scan engine as additional values at the scan data interface. Also, support for the error retrieval interface, which defines five generic error codes, is recommended, but optional functionality.

## 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.

## 8. ERDEF for Client Side Content Screening Framework - Client Requirements

This section is normative.

Item	Feature / Application	Status	Requirement
OMA-ERDEF-Client_Side_CS_FW-C-001	Client Side Content Screening Framework	M	CSCSF-TS:MCF

**Table 2: ERDEF for Client Side Content Screening Framework – Client-side Requirements**

## 9. ERDEF for Client Side Content Screening Framework - Server Requirements

This section is normative.

Item	Feature / Application	Status	Requirement
(No server requirements exist for Client Side Content Screening Framework)			

**Table 3: ERDEF for Client Side Content Screening Framework – Server-side Requirements**

## 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
Candidate Versions OMA-ERELED-Client_Side_CS_FW-V1_0	09 Feb 2006		Status changed to Candidate by TP TP doc. ref# OMA-TP-2006-0059-Client_Side_CS_FW-V1_0_for_Candidate_approval
Draft Versions OMA-ERELED-Client-Side_CS_FW-V1_0	18 Jan 2006	2.1, 2.2, 3.2, 3.3, 5, 8, 9	Revised according to consistency review report: OMA-CONRR-Client_Side_CS_FW-V1_0-20060117-D