Enabler Release Definition for Secure Content Identification Mechanism

Approved Version 1.0 – 03 Apr 2012

Open Mobile Alliance
OMA-ERELD-SCIDM-V1_0-20120403-A

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N/A

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1. Scope

The scope of this document is limited to the Enabler Release Definition of SCIDM according to OMA Release process and the Enabler Release specification baseline listed in section 5.

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
[SCRRULES]	"SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL:http://www.openmobilealliance.org/

2.2 Informative References

[OMADICT]	"Dictionary for OMA Specifications", Version 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_7, 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", "Release Version Overview" and "Conformance Requirements Notation Details", 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 [SCRRULES].

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
OMNA	Open Mobile Naming Authority
SCIDM	Secure Content IDentification Mechanism

4. Release Version Overview

Today, mobile content spreads all over the mobile service world. How to securely and efficiently identify a mobile digital content is becoming a more and more important issue, and is expected to have potential impact on the successful deployment of mobile services. Secure content identification makes managing intellectual property in a networked environment much easier and more convenient, and allows the construction of automated services and transactions. With the recent development of Web2.0, secure identification of user generated content becomes an important concern as well. The potential applications of secure content identification include charging, content search/management, automatic content monitoring for copyright verification and usage statistics, content filtering/blocking, content tracing, selective recording/playback, remote triggering of ads in broadcast chains, etc.

Secure identification and authentication of digital content would allow secure interactions between content and all other entities (e.g. content provider, content distributor, service provider, operator, enabler, end user) in the mobile service environment, resulting in a more trustworthy and efficient service/transaction environment. This will greatly benefit all parties involved.

The SCIDM Enabler provides a basic service: a standardized trusted content ID (which is a more efficient, and secure (trusted) representation of the content than simply a content name). Specific applications/services can take advantage of SCIDM to offer a more efficient and trustworthy service.

This specification collects the use cases and corresponding requirements, the Enabler architecture and its technical specification, in order to develop a standardized approach to fulfil the above market needs.

4.1   Version 1.0 Functionality

The SCIDM V1.0 introduced following functionalities:

- Content identity registration/query/verification/certification/error reporting and and issuing of content ID certificate

- Content ID assignment

- Secure content identification/authentication mechanisms

5. Document Listing for SCIDM

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[SCIDM_RD]	OMA-RD-SCIDM-V1_0-20120403-A	Requirement Document for SCIDM Enabler
Architecture Document		
[SCIDM_AD]	OMA-AD-SCIDM-V1_0-20120403-A	Architecture Document for SCIDM Enabler
Technical Specifications		
[SCIDM_TS]	OMA-TS-SCIDM-V1_0-20120403-A	SCIDM Specification
Supporting Files		
[SCIDM_XSD]	OMA-SUP-XSD_scidm_messages-V1_0-20120403-A	XML Schema definitions for SCIDM messages Working file in XML Schema directory: file: scidm_messages-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles

Table 1: Listing of Documents in SCIDM Enabler

6. OMNA Considerations

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 [SCRRULES].

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

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

8. ERDEF for SCIDM - Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-SCIDM-C-001-<<M/O>>	SCIDM Client	

Table 2: ERDEF for SCIDM Client-side Requirements

9. ERDEF for SCIDM - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-SCIDM-S-001-<<M/O>>	SCIDM Server	

Table 3: ERDEF for SCIDM Server-side Requirements

Appendix A.   Change History   (Informative)

A.1   Approved Version History

Reference	Date	Description
OMA-ERELD-SCIDM-V1_0-20120403-A	03 Apr 2012	Status changed to Approved by TP Ref TP Doc # OMA-TP-2012-0133-INP_SCIDM_V1_0_for_Final_Approval