Enabler Release Definition for Mobile Spam Reporting

Candidate Version 1.0 – 23 Nov 2010

Open Mobile Alliance

OMA-ERELD-SpamRep-V1_0-20101123-C

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1. Scope

The scope of this document is limited to the Enabler Release Definition of Mobile Spam Reporting (SpamRep) enabler according to OMA Release process and the Enabler Release specification baseline listed in section 5.

The Mobile Spam Reporting enabler allows Users to designate received Content as Spam, and send a report to an external entity containing information about that Content that may be used by the external entity to prevent further instances of unwanted Content from reaching Users. The scope of this enabler covers only the SpamRep message format and interface between User Device and the external recipient entity. The User interface is out of scope, as is any functionality of the external entity beyond the SpamRep/Device interface.

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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/

[SpamRep_AD] "Mobile Spam Reporting Architecture", Open Mobile Alliance™, OMA-AD-SpamRep-V1_0, URL:http://www.openmobilealliance.org/

[SpamRep_RD] "Mobile Spam Reporting Requirements", Open Mobile Alliance™, OMA-RD-SpamRep-V1_0, URL:http://www.openmobilealliance.org/

2.2 Informative References

[IETF_Email_Rep] "An Extensible Format for Email Feedback Reports", draft-shafranovich-feedback-report-06, IETF, January 2, 2009, URL: http://tools.ietf.org/html/draft-shafranovich-feedback-report-06.

[OMADICT] "Dictionary for OMA Specifications", Version 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_7, URL:http://www.openmobilealliance.org/

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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 [**Error! Reference source not found.**].

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
Content	In the context of the SpamRep enabler, Content refers to messages, files, and/or media streams that are transmitted to a Device in an arbitrary way (ie, via SMS, MMS, IM, Video Share, email, etc.)
Reporter	The User that initiates and sends a Spam Report
Spam	In the context of the SpamRep enabler, Spam is defined as any Content received by a User that may be considered unwanted and/or inappropriate by the message recipient and/or operator
Spam Report	A message transmitted between the SpamRep Client and SpamRep Server containing information about the Content and originator of an unsolicited and unwanted received message, as designated by a User
Spam Sender	The purported source of the Spam Content. This could be the spammer, or an innocent device infected with a virus that causes it to send Spam, , an individual or organization sending Content in good faith that the recipient considers Spam, or a false identity assumed by the spammer.
SpamRep Client	An entity within the SpamRep architecture that composes and transmits Spam Reports upon invocation by a User or automatically based on Service Provider policy
SpamRep Server	An entity within the SpamRep architecture that receives Spam Reports transmitted by a SpamRep Client

3.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
SpamRep	Mobile Spam Reporting
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

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4. Release Version Overview

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

Spam Reporting is intended to help the Mobile Network Operator to reduce the load on their network caused by Spammers sending unsolicited/unwanted messages to the operator's Users/Subscribers. The reduction in the number of spam messages will also improve the User's/Subscriber's experience on the operator's network.

4.1 Version 1.0 Functionality

The SpamRep 1.0 enabler defines a protocol/interface and message format for forwarding user-identified spam messages to a network collection point. The user's device will be provisioned with the address of the report collection node in the operator's network, but how this provisioning is done is outside the scope of the enabler. The mechanisms used to initiate a Spam Report and the actions taken by the operator's systems based on the Spam Reports are also outside the scope of the enabler.

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5. Document Listing for SpamRep V1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[SpamRep_RD]	OMA-RD-SpamRep-V1_0-20101123-C	Requirements for Mobile Spam Reporting Enabler
Architecture Document		
[SpamRep_AD]	OMA-AD-SpamRep-V1_0-20101123-C	Architecture for Mobile Spam Reporting Enabler
Technical Specifications		
[SpamRep_TS]	OMA-TS-SpamRep-V1_0-20101123-C	SpamRep Technical Specification
Supporting Files		
[SpamRep_XSD]	OMA-SUP-XSD_spam_rep-V1_0-20101123-C.xsd	XML schema for SpamRep Working file in Schema directory: file: spam_rep-v1_0.xsd path: http://www.openmobilealliance.org/tech/profiles/

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6. OMNA Considerations

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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.

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8. ERDEF for SpamRep - Client Requirements

This section is normative.

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

Table 1: ERDEF for SpamRep Client-side Requirements

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9. ERDEF for SpamRep - Server Requirements

This section is normative.

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

Table 2: ERDEF for SpamRep Server-side Requirements

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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: OMA-ERELD-SpamRep-V1_0	18 May 2009		Initial baseline for RD review
	26 May 2009	5.	Update the RD draft version, to be ready for RD Formal Review Document Listing for SpamRep V1.0
	17 July	3, 5	Updated accordingly to OMA-RD-SpamRep-V1_0-20090717-D, added the reference to the AD draft, editorial clean-up executed
Candidate Version OMA-ERELD-SpamRep-V1_0	11 Aug 2009	N/A	Status changed to Candidate by TP ref # OMA-TP-2009-0343-INP_SpamRep_V1_0_RD_for_Candidate_Approval
Draft Version: OMA-ERELD-SpamRep-V1_0	10 Mar 2010	All	2010 template applied Document Listing updated
Candidate Version OMA-ERELD-SpamRep-V1_0	20 Apr 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0172-INP_SpamRep_V1_0_AD_for_Candidate_approval
Draft Versions: OMA-ERELD-SpamRep-V1_0	08 Jul 2010	5	Document Listing updated before CONR
	25 Oct 2010	All	Document Listing updated before CONR closure Editorial fixes: page breaks removed and references sorted
Candidate Version OMA-ERELD-SpamRep-V1_0	23 Nov 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0465-INP_SpamRep_V1_0_ERP_for_Candidate_Approval

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