



# **Enabler Release Definition for Mobile Spam Reporting**

## **Candidate Version 1.0 – 20 Apr 2010**

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**Open Mobile Alliance**  
OMA-ERELED-SpamRep-V1\_0-20100420-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.

## 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](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/](http://www.openmobilealliance.org/)
- [SpamRep\_RD] "Mobile Spam Reporting Requirements", Open Mobile Alliance™, OMA-RD-SpamRep-V1\_0,  
[URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [SpamRep\_AD] "Mobile Spam Reporting Architecture", Open Mobile Alliance™, OMA-AD-SpamRep-V1\_0,  
[URL:http://www.openmobilealliance.org/](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/](http://www.openmobilealliance.org/)
- [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>.

## 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

|  |   |
|--|---|
| <b>Enabler Release</b>                   | 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. |
| <b>Minimum Functionality Description</b> | Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release   |
| <b>Content</b>                           | 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.)  |
| <b>Reporter</b>                          | The User that initiates and sends a Spam Report   |
| <b>Spam</b>                              | 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  |
| <b>Spam Report</b>                       | 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  |
| <b>Spam Sender</b>                       | 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.        |
| <b>SpamRep Client</b>                    | An entity within the SpamRep architecture that composes and transmits Spam Reports upon invocation by a User or automatically based on Service Provider policy  |
| <b>SpamRep Server</b>                    | An entity within the SpamRep architecture that receives Spam Reports transmitted by a SpamRep Client  |

### 3.3 Abbreviations

|                |                                |
|----------------|--------------------------------|
| <b>ERDEF</b>   | Enabler Requirement Definition |
| <b>ERELD</b>   | Enabler Release Definition     |
| <b>SpamRep</b> | Mobile Spam Reporting          |
| <b>OMA</b>     | Open Mobile Alliance           |
| <b>OMNA</b>    | Open Mobile Naming Authority   |



## 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.

## 5. Document Listing for SpamRep V1.0

This section is normative.

| Doc Ref                         | Permanent Document Reference   | Description                                    |
|---------------------------------|--------------------------------|--|
| <b>Requirement Document</b>     |                                |  |
| [SpamRep_RD]                    | OMA-RD-SpamRep-V1_0-20090811-C | Requirements for Mobile Spam Reporting Enabler |
| <b>Architecture Document</b>    |                                |  |
| [SpamRep_AD]                    | OMA-AD-SpamRep-V1_0-20100420-C | Architecture for Mobile Spam Reporting Enabler |
| <b>Technical Specifications</b> |                                |  |
|                                 |                                |  |
|                                 |                                |  |
| <b>Supporting Files</b>         |                                |  |
|                                 |                                |  |
|                                 |                                |  |

## 6. OMNA Considerations

<< This section is to be used to describe any OMNA items included in the release. This would include, among others:

- Usage of OMA-based Uniform Resource Names (URNs) (including those used as namespace identifiers in Schemas)
- AppiDs for Application Characteristics (AC)
- Managed Object (MO) information for the MO registry
- ISO Object IDs
- PUSH Application Ids
- WAP Wireless Session Protocol (WSP) Content Types
- Presence <service-description> assignments
- Uniform Resource Identifier (URI)-List Registered Usage Names (for XDM)

The format of this section will be left up to the release owners to account for the particular needs they may run into. It should be clear from the written material, though, as to the set of OMNA items needed.

If a new OMNA registry is needed to support the release - clearly this should have been worked with the REL Committee before submitting a Release Document. Failure to do so may result in delays as the required tables are worked up and made publicly available. Another risk is that the table desired is not supported by OMNA (is not a registry type table) and the group will need to re-think how they intend to resolve their needs.

Through the normal development process the OMNA entries or support registries should be accommodated. This should not be trigger to remove the linkage from this section. Thus, if an entry is added to OMNA after the initial Candidate version described the need - the material should stay in this section. It may be useful in subsequent releases to add some text to indicate that the needed items have been accommodated (e.g. add a comment regarding its availability or support as appropriate).

If the release has absolutely no OMNA items to be accommodated - then it should indicate that explicitly with a short description (e.g. this release does not have any OMNA items for handling). This determination probably can not be made until the end of the development phases and editors are encouraged to keep this advisory in place until the Consistency Review.

DELETE THIS COMMENT >>

## 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 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**

## 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**

## 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:<br>OMA-ERELED-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<br>OMA-ERELED-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:<br>OMA-ERELED-SpamRep-V1_0    | 10 Mar 2010 | All      | 2010 template applied<br>Document Listing updated   |
| Candidate Version<br>OMA-ERELED-SpamRep-V1_0 | 20 Apr 2010 | All      | Status changed to Candidate by TP:<br>OMA-TP-2010-0172-INP_SpamRep_V1_0_AD_for_Candidate_approval                       |