SAFESEANET technical aspects

SSN Roadmap

Submitted by EMSA

Summary	This document presents an overview of the expected roadmap of developments of SSN.
Action to be taken	As per paragraph 4
Related documents	a) SSN 20/4/1 MRS WG progress report b) SSN 20/4/3 SSN Interface – Progress report c) SSN 20/3/2 SSN Change Management Evaluation Report

1.   BACKGROUND INFORMATION

An important upgrade of SSN, version 2.07, should be released by end October 2013. It features the new Incident Report Framework, the phasing out of SSN version 1 Port and Hazmat notifications, and business rules alignments for data quality controls on PortPlus notifications.

The next major release of SSN, version 3, will cover (references to Requests For Change as introduced in paper SSN 20/3/2 are included):

- The changes to the SSN System Interface derived from the Reporting Formalities Directive 2010/65/EU as proposed by the SSN Interface Working Group in paper 20/4/3 (*RFC artf8067*),

- The equivalent changes to the SSN Web Interface (*RFC artf8068*),

- The changes to the MRS messages as proposed by the MRS Working Group in paper 20/4/1 (*RFC artf8072*),

- The phase out of request/response messages of PORT and HAZMAT V1 notifications as previously agreed by SSN Group (*RFC artf8104*).

Additional minor features may be added depending on decisions from the SSN Group and HLSG.

In advance of version 3, minor modifications of SSN may also be scheduled due to RFCs which need earlier deployment.

2.   WORK ORGANISATION FOR SSN VERSION 3

2.1. Requirement specification

Requirements for the System Interface are already provided in papers 20/4/3 and 20/4/1 as introduced above. Depending on the decision of the SSN Group, EMSA will prepare a revision of the SSN XML Messaging Reference Guide. This document will serve as a reference for the developments on the National and Central SSN Systems.

Specifying requirements will also be necessary for the changes to the Web Interface and the Graphical Interface of SSN. In addition, non-functional requirements regarding the overall SSN system also need to be amended, in particular as regards the amount of data to be handled by the system.

The requirements will be used as a basis for tender specifications by EMSA regarding the developments of the SSN Central System.

2.2. System design, development, SAT

Design of the system will be based on the requirements specifications. For the purpose of designing the web interface, a group of users may be set up to work in collaboration with EMSA.

Site Acceptance Tests (SAT) will be performed by EMSA. In addition, MS will be invited to perform further tests in the training environment.

Testing of functionalities may be considered in sets, where a first set of functionalities would be made available on the training environment, while development on a second set would be finalised and be made available at a second stage.

2.3. Commissioning tests of National SSN systems

Commissioning tests of the National SSN Systems will be performed once Central SSN System has successfully passed the tests above. The schedule of the commissioning tests will be defined by EMSA in collaboration with the MS. Commissioning tests will be executed on the training environment.

2.4. Deployment

SSN version 3 should be made available as soon as possible in advance of the deadline defined by Directive 2010/65/EU (1 June 2015) in order to gradually deploy the system to the MS. MS which would be ready before the deadline would have the possibility to use the new messaging system, while other MS would continue with the current messaging system.

Accordingly, a transition period were SSN version 3 would support both messaging systems (version 2 and 3) is being considered. This needs further assessment and technical limitations may need to be applied.

3. SCHEDULE FOR SSN VERSION 3

The expected schedule is the following:

Milestone	Date
XML Messaging Reference Guide distributed to MS	15 November 2013
Commissioning test plan released	1 October 2014
SSN version 3 available on training environment for tests by MS	1 October 2014
Start commissioning tests of national SSN systems on training environment	1 January 2015
SSN version 3 available on production environment, beginning of transition period (both V2 and V3 messaging systems supported).	1 March 2015
All National SSN Systems on production. End of transition period.	1 June 2015

4. ACTIONS REQUIRED

The Member States are invited to note the information provided.