

SAFESEANET TECHNICAL ASPECTS**SSN Roadmap****Submitted by EMSA**

<i>Summary</i>	This document presents an overview of the expected roadmap of developments of SSN.
<i>Action to be taken</i>	As per paragraph 5
<i>Related documents</i>	SSN 21/4/4 – Ship database SSN 22.4.2 - SSN V2 V3 transitional phase

1. INTRODUCTION

At its meeting of 16 January 2014, the SSN High Level Steering Group approved the technical specifications of SSN version 3. Progress made on preparing SSN V3 is presented in chapter 3 below.

In the meantime, the current SSN (version 2) continues being maintained by EMSA, including issue correction and implementation of upgrades. Changes to SSN V2 are summarised in chapter 2 below.

2. SSN V2 UPGRADES

On 2 July, EMSA released SSN version 2.08 which featured the following changes as presented at SSN21:

- Element CargoManifest not mandatory in PortPlus notifications¹,
- ETA not be mandatory for ship AIS notifications,
- First step of the archiving of Ship Call data,
- Integration with EMSA identification management system and Single-Sign-On (EMSA IdM),
- Correction of defects.

An upgrade of SSN version 2.08 was applied on 28 August with additional defect corrections. Further corrections will be applied when necessary until SSN V3 is made available.

¹ This was implemented to avoid rejecting a PortPlus notification with valuable Hazmat information in the situation where the cargo manifest (contact details or URL) element is not provided. Nevertheless the cargo manifest element is necessary when the ship is carrying dangerous or polluting goods and should be reported in a PortPlus notification (VTMIS Directive Annex I).

3. SSN V3 RELEASE

As presented in previous SSN Group meetings, SSN version 3 will feature:

- a. Changes derived from the Reporting Formalities Directive 2010/65/EU:
 - A revised PortPlus notification to include waste and security information as well as improved hazmat information,
 - Corresponding changes to the ShipCall request / response mechanism,
 - The exchange of information on exemptions by adding a new exemption notification and adapting the ShipCall responses,
- b. The changes to the MRS messages:
 - A revised Ship notification,
 - A revised Ship request/response mechanism,
- c. A mechanism to ensure a transition period from SSN V2 to SSN V3 (as per SSN 22/4/2),
- d. The phase out of the Port and Hazmat request/response messages and Security notifications,
- e. The improvement of the SSN Textual Interface and Graphical Interface in relation to the changes mentioned above and the Incident Reports function,
- f. Additional minor features and changes.

In addition to the above, SSN V3 will include the following features:

- g. Central ship database (as introduced in SSN 21/4/4. Access rights will be open when the pilot project is validated),
- h. Improvement of the voyage consolidation mechanism (no consideration of voyages with ETA in the past when a more recent ATA to a different port exists),
- i. Technical upgrade of the architecture (ArcGIS software),
- j. Further integration with EMSA IdM.

Note: The second step of archiving of ship call data initially foreseen in SSN V3 (as introduced in SSN 20/4/4) needs further investigation and will be implemented at a later stage.

4. PLANNING

In order to facilitate the development and testing of SSN V3, and in order to mitigate risks, the development was split in two steps:

- An intermediate release which will include the features related to Directive 2010/65/EU and the corresponding mechanism for the transition period (items a, c, d above). This intermediate release will only be used for testing.
- A final release encompassing all expected features of SSN V3.

The table below presents the progress of SSN V3 and gives an update of the planning:

Milestone	Date	Status
XML Messaging Reference Guide validated by SSN Group	06/11/2013	Completed
XML Messaging Reference Guide approved by HLSG	16/01/2014	Completed
Commissioning test plan released	1 October 2014	Moved to mid-October
Intermediate release of SSN version 3 available on training environment for tests by MS	1 October 2014	Moved to end October
Final release of SSN V3 available on training environment Start commissioning tests of national SSN systems on training environment	1 January 2015	Beginning 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	

5. ACTION REQUIRED

The members of the SSN Group are invited to note the information provided.