

SafeSeaNet Group meeting no. 21
Agenda item IV
8 May 2014

SSN 21/4/7 (v.1.00)
Lisbon, 8 April 2014

SAFESEANET TECHNICAL ASPECTS

Transitional phase from SSN V2 to SSN V3

Submitted by EMSA

<i>Summary</i>	This document describes how the central SSN system will manage the transitional phase from SSN V2 to V3.
<i>Action to be taken</i>	As per paragraph 5
<i>Related documents</i>	HLSG 10.5.1 - SSN version 3 - Approval of the technical specifications

1. BACKGROUND INFORMATION

The XML Messaging Reference Guide v3.00 (XML RG V3), approved at the 10th HLSG meeting (16 January), includes a new messaging framework for PortPlus notifications, ShipCall request/response and for Ship MRS notifications and requests. At the 20th SSN Group meeting, Members States requested further clarifications regarding the transition phase from SSN version 2 to SSN version 3.

The deployment plan for SSN V3 foresees a progressive implementation by the MS national SSN systems from March to June 2015. During this period, the central SSN system must support the exchange of information in line with the two versions of the XML Messaging Reference Guide (v2.08 and 3.00). Nevertheless, due to technical constraints and the relatively short duration of the transition period, there will be some limitations.

2. PORTPLUS NOTIFICATIONS AND SHIPCALL REQUESTS

The following functionalities will be available through the central SSN system:

- a. SSN Central will be capable of receiving both V3 and V2 PortPlus notifications through the System Interface (XML and SOAP). SSN Central will provide two distinct URLs for receiving PortPlus notifications: one for V2 notification, the other for V3 notifications. When receiving a V2 notification, SSN Central will store it as a V3 notification.
- b. Each national SSN system will send PortPlus notifications and provide ship call details either in the V2 or in the V3 format. Note that national SSN systems must only send messages in one format. The format implemented by each national SSN system will be configured by the MSS in the central SSN system. When

requesting ship call details from the national SSN system, the central SSN system will use the V2 or V3 format as configured.

- c. V2 PortPlus notifications will still be able to be submitted via the central SSN Web Textual Interface.

Note: As noted at 20th SSN Group meeting (SSN 20/4/3 Annex II Functional Specifications), it will not be possible to submit V3 PortPlus notifications via the Web Textual Interface.

- d. Requesting ShipCall information will have to be in the V3 format.
- e. The Hazmat details in V2 format (phone/fax, URL and XML) will only be provided through Web Textual Interface and the graphical interface.

Once the transition period is over, SSN will stop supporting the V2 format. Accordingly, SSN Central will not accept V2 PortPlus notifications and will not provide Hazmat details in the V2 format. SSN will expect that responses to requests for ship call details are all provided in the V3 format.

The table below summarises the functionalities available in SSN V3 as regards PortPlus notifications and ShipCall requests:

SSN mechanisms for information exchange		Message-Based (XML and SOAP)	Web Browser-Based	
			Textual Interface	Graphical Interface
Available for:	Data Providing	PortPlus V3 + PortPlus V2 (transition period only)	PortPlus V2 (transition period only)	N.A.
	Data Request	ShipCall Request V3 with Details V3	ShipCall Request V3 with Details V3 + Details V2 (transition period only)	ShipCall Request V3 with Details V3 + Details V2 (transition period only)
	Providing Details	Details V3 + Details V2 (transition period only)	N.A.	N.A.

3. SHIP NOTIFICATIONS AND SHIP REQUESTS

The following functionalities will be offered by the central SSN system:

- a. SSN will be capable of receiving both V2 and V3 Ship MRS notifications through the System Interface (XML and SOAP) and the Web Textual Interface. SSN Central will provide two distinct URLs for receiving notifications: one for V2 notifications, the other for V3 notifications. When receiving a V2 notification, SSN Central will store it as a V3 notification (translation rules are described below).
- b. Requesting Ship MRS information will have to be done in the V3 format.
- c. The MRS details in V2 format (URL and XML) will not be provided.
- d. As a consequence of the point raised above, SSN will not support requests of Ship MRS information in the V2 format and will not support retrieving of details of Ship MRS notifications in the V2 format.

Once the transition period is over, SSN will stop accepting V2 Ship MRS notifications.

The table below summarises the functionalities available in SSN V3 as regards Ship MRS notifications and Ship requests:

SSN mechanisms for information exchange		Message-Based (XML and SOAP)	Web Browser-Based	
			Textual interface	Graphical interface
Available for:	Data Providing	Ship MRS V3 + Ship MRS V2 (transition period only)	Ship MRS notification V3	N.A.
	Data Request	Ship MRS Request V3 with Details V3	Ship MRS Request V3 with Details V3	Ship MRS Request V3 with Details V3
	Providing Details	Details V3	N.A.	N.A.

The following additional rules were included in the XML Messaging Reference Guide V3 to allow the translation of Ship MRS notifications from V2 to V3 format:

- Attribute MRSIdentification will be recorded as "undefined",
- Attribute AnyDG will be recorded as "X",
- Attribute ReportingDateTime will be recorded with the same value as the "SentAt" attribute.

Note: migration of existing V2 notifications will also be done on the same basis.

4. SCHEDULE

The time plan for the implementation of the transition period is the following:

- 1 March 2015: SSN version 3 available in production environment, beginning of transition period,
- 1 June 2015: All National SSN Systems in production. End of transition period.
- A decision needs to be made about the phasing out date for SSN Version 2

5. ACTION REQUIRED

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