

## Meeting: 24<sup>th</sup> SafeSeaNet Group Meeting

**Place and date:** Lisbon, 14 October 2015

**Agenda item:** Revision of the Data Quality checks following the implementation of SSN v.3

**Document number:** SSN 24.5.3

**Submitted by** EMSA

Summary	This document proposes a revised set of SSN data quality checks following the deployment of SSN version 3.
Action to be taken	As per paragraph 3.
Related documents	<ul style="list-style-type: none"><li>a. IFCD, role of the Maritime Support Services</li><li>b. SSN 15 report</li><li>c. SSN 16.5.3 SSN Data quality checks and reporting</li></ul>

### 1. Background

As stated in paragraph (18) of Directive 2002/59/EC (as amended), the effectiveness of the Directive “depends greatly on the Member States enforcing its implementation strictly. To this end, Member States must regularly carry out appropriate inspections, or any other action required, in order to ensure that the communication links established to meet the requirements of the Directive are operating satisfactorily. A system of sanctions should also be introduced to ensure that the parties concerned comply with the reporting and equipment carrying requirements in the Directive.”

At its 16<sup>th</sup> meeting (24 November 2006), the EMSA Administrative Board entrusted the MSS (among others) with the task of ensuring the quality of SSN data, and in June 2007, the MSS began to provide support to MSs and SSN users in this area. This role was subsequently reflected in the SSN IFCD document.

The first data quality report was issued at WS 8 (24-25 October 2007, SSN 8.8.1 MSS Data quality Methodology). Since then, the diversity and accuracy of checks steadily grew, based on feedback provided by the MSs.

Directive 2010/05/EU requires that SSN messages are exchanged between MSs via SSN, and that they also include Waste and Security messages. These requirements should be implemented in the new PortPlus messages that have been developed as part of SSN version 3 (v.3).

Following the implementation of SSN v.3, the checks need to be updated in order to reflect the changes in the information reported.

### 2. EMSA proposal

The EMSA MSS currently carries out regular data quality checks and provides feedback to MSs, and in addition, EMSA drafts SSN status reports that are sent to each MS on an annual basis.

The list of current availability and data quality checks being carried out is shown in the Annex.

Given the requirement to update the checks to bring them in line with changes in the information reported via SSN v.3, and taking into account the fact that SSN v.3 has only recently been implemented, it is proposed that a phased-in monitoring approach should be used, whereby simple basic quality measuring criteria are initially applied. Then, at a later stage, when Member States gain experience leading to more advanced implementation, EMSA can propose and implement more sophisticated data quality checks.

In the initial phase, EMSA proposes that the number of Waste and Security messages sent to SSN should be addressed, as presently done for Hazmat EU and Non-EU Departure, as well as Ship MRS and AIS notifications and Incidents reports per type.

In addition, EMSA should verify the request-response mechanism for each MS on a monthly basis, with random requests for the detailed part of Waste and Security messages.

The SSN Data Quality report presented at this meeting includes the number of Waste and Security messages provided in the first half of 2015.

It is proposed that the verification of the request-response mechanism should begin on 1<sup>st</sup> January 2016.

### **3. Action Required**

Member States are invited to provide their feedback on the above proposal.

Annexes:

Annex – Current and planned (inserted in red colour) availability and data quality checks

## ANNEX

Current and planned (inserted in red colour) availability and data quality checks

Check	Details	How? Purpose?	How often	
			Daily	Regular Report
<b>Availability of SSN</b>	Applicable to central and national systems	Based on reported full downtimes. Fulfil ICD/IFCD requirements.	Continuously	x
<b>Ship details</b>	Dead ships	To correct erroneous data affecting SSN & THETIS	Continuously	
<b>Ports</b>	Declaration of Port Authorities	Detecting Locodes not declared		x
	Activity of Ports	Number of ship calls		x
	Missing Port Notifications	Cross checks with AIS and external data	x (2 MS/Day)	x
	Actual time of arrival / departure	If reported	x (1 MS/day)	x
	Actual time of arrival/ departure	Timeliness against the SentAt		x
	Estimated arrival	Timeliness against the SentAt		x
	Dummy values employed in ETAs/ETDs	Implementation of the Dir. Requirements		x
<b>Rejected messages</b>	Status Code= Rejected	Target is 0 rejected, purpose - implementation of SSN business rules	x (1 MS/day)	x
<b>Location codes</b>	Use of non-identified/ non-defined (in UNECE or SSN Specific)	Harmonisation of destination ports/voyages	x (1 MS/day)	x

	THETIS	To align when necessary SSN and THETIS Locodes	x (1 MS/day)	x
<b>Notifications</b>	Numbers/ Counting	Detect inconsistencies, missing reporting/ Provide overall picture of Ship calls and Hazmat, <b>Waste and Security</b> reporting trends		x
	Number of updates	Detect unnecessary updates		x
<b>Persons on Board</b>	Percentage of reporting vs. dummy values	Implementation of the Dir. Requirements		x
<b>Hazmat</b>	Detailed part of HAZMAT	How the information can be retrieved i.e. XML, document, phone/ fax		x
	Reported before arrival or after	Implementation of the Dir. requirements		x
	Reported before departure or after	Implementation of the Dir. requirements		x
	Destination of the HAZMAT	Data quality and accuracy		x
	Missing Hazmat	Cross check with MRS reports	x	x
	Monitoring details availability	To check the availability of Hazmat details	x (1 MS/day)	x
<b>Waste</b>	<b>Monitoring details availability</b>	<b>To check the availability of Waste details</b>	<b>x (1 MS/day)</b>	<b>x</b>
<b>Security</b>	<b>Monitoring details availability</b>	<b>To check the availability of Security details</b>	<b>x (1 MS/day)</b>	<b>x</b>
<b>Incident Reports</b>	Reporting of incidents or accidents	Implementation of the Dir. requirements/ Availability of data/ Types of reports		x

	IR Availability	To monitor the IR details availability	x (1 MS/day)	x
<b>MRS reporting</b>	Number/ Implementation/ Coverage	Implementation of the Dir. requirements		x
	MRS availability	Monitor the MRS details availability	x	x
<b>AIS reporting</b>	Number/ Implementation/ coverage	Implementation of the Dir. requirements		x
	AIS availability	Monitor the AIS details availability	x	x