Meeting: 26th SafeSeaNet Group Meeting

Place and date: Lisbon, 19 October 2015

Agenda item: Revision of the data quality checks

Document number: SSN 26.5.2

Submitted by EMSA

Summary	This document presents 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	a IFCD, role of the Maritime Support Services (MSS) b. SSN 24.5.3 Revision of the data quality checks following the implementation of SSN v.3

1. Background

The document SSN 24.5.3 *Revision of the Data Quality checks following the implementation of SSN v.3* proposed that a phased-in monitoring approach should be used for the provision of Waste and Security messages. Simple basic quality measuring criteria were initially applied with the objective to implement further data quality checks at a later stage, when Member States gain experience leading to more advanced implementation.

After a one year period, the quality checks should be updated.

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.

Currently, the MSS reports the number of Waste and Security messages sent to SSN, as for Hazmat EU and Non-EU Departures, as well as Ship MRS and AIS notifications and Incident reports by type.

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

The following should be added to the checks:

- Verification that the detailed part of the Waste and Security messages contains the expected information (e.g., the last 10 ports of call or the list of waste and cargo residues). It has been found that some Member States do not provide the detailed part, despite the fact that the request-response mechanism is functioning (i.e. responses are total or partially incomplete or dummy).
- The comparison of the Waste and Security messages that have been provided against the valid exemptions, thereby obtaining a complete picture of the possible missing messages.

The list of current and planned availability and data quality checks can be found in the annex (inserted in red).

3. Actions proposed

Member States are invited to provide their feedback.

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

ANNEX

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

Check	Details	How? Purpose?	How often	
			Daily	Regular Report
Availability of SSN	Applicable to central and national systems	Based on reported full downtimes. Fulfil ICD/IFCD requirements including backup procedures	Continuously	x
Availability of request-response mechanism	Applicable to central and national systems	Requesting for Hazmat, Waste and Security details to verify the availability of the details.	x (1 MS/day)	x
Ship details	Dead ships	To correct erroneous data affecting SSN & THETIS	Continuously	
Ports	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

Rejected messages	Status Code= Rejected	Target is 0 rejected, purpose - implementation of SSN business rules	x (1 MS/day)	x
Location codes	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
Notifications	Numbers/ Counting	Detect inconsistencies, missing reporting/ Provide overall picture of Ship calls and Hazmat, Waste and Security reporting trends. Exemptions are taken into account		x
	Number of updates	Detect unnecessary updates		x
Persons on Board	Missing & percentage of reporting vs. dummy values	Implementation of the Dir. Requirements		x
Hazmat	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 the completeness of Hazmat details	To check the content of Hazmat details	x (1 MS/day)	x
Waste	Monitoring the completeness of Waste details	To check the content of Waste details	x (1 MS/day)	x
Security	Monitoring the completeness of Security details	To check the content of Security details	x (1 MS/day)	x
Incident Reports	Reporting of incidents or accidents	Implementation of the Dir. requirements/ Availability of data/ Types of reports		x
	Monitoring the completeness of IR details	To check the content of IR details	Continuously	x
MRS reporting	Number/ Implementation/ Coverage	Implementation of the Dir. requirements		x
	MRS availability	Monitor the MRS details availability	x	x
AIS reporting	Number/ Implementation/ coverage	Implementation of the Dir. requirements		x
	AIS availability	Monitor the AIS details availability	x	x