

Meeting: 2nd SSN / LRIT Group Meeting

Place and date: Lisbon, 18 October 2017

Agenda item: Revision of the data quality checks

Document number: SSN/LRIT 2.5.2

Submitted by EMSA

Summary	This document presents a revised set of SSN data quality checks
Action to be taken	As per paragraph 3.
Related documents	<ul style="list-style-type: none"> a IFCD, role of the Maritime Support Service (MSS) b. SSN 26.5.2 Revision of the data quality checks

1. Background

The document SSN 26.5.2 *Revision of the Data Quality* requires an update as, during 2017, further checks were incorporated in EMSA reports (e.g. LRIT-related), while others need to be better defined (e.g. the completeness of Hazmat details).

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 main changes are as follows:

LRIT-related (included in the yearly report addressed to each MS):

- Ships probably not flying the MS flag and still listed in the EU LRIT Ship Database.
- Ships not integrated in the EU LRIT CDC.
- Ship not reporting to the EU LRIT CDC.
- Terminal models identified as “Others” in the EU LRIT Ship Database.

SSN-related:

- Timeliness of Waste and Security notifications (yearly).
- Ship calls missing Waste and Security notifications (monthly and yearly). Exemptions and domestic voyages (in case of security notifications) are taken into account.
- Missing or incorrect Hazmat details¹:
 - DG classification (applicable codes or conventions, based on vessel type and declared cargo)
 - Location on board

¹ These 2 attributes are those where the majority of errors were found on the Hazmat surveys carried out by EMSA in previous years.

The changes in the list of current 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 – Availability and data quality checks (changes inserted in red)

ANNEX

Availability and data quality checks (changes inserted in red)

Check	Details	How? Purpose?	How often	
SSN Related			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

Check	Details	How? Purpose?	How often	
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 SSN and THETIS Locodes when necessary	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 (1 MS/day)	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	Reported before arrival 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 (random checks)	x
	Monitoring the completeness of Hazmat details (DG Classification and location on board)	To check the content of Hazmat details	x (1 MS/day)	x

Check	Details	How? Purpose?	How often	
Waste	Monitoring the completeness of Waste details	To check the content of Waste details	x (1 MS/day)	x
	Reported before arrival or after	Implementation of the Dir. requirements		x
Security	Monitoring the completeness of Security details (To check the content of Security details	x (1 MS/day)	x
	Reported before arrival or after	Implementation of the Dir. requirements		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 (1 MS/day)	x
AIS reporting	Number/ Implementation/ coverage	Implementation of the Dir. requirements		x
	AIS availability	Monitor the AIS details availability	x (1 MS/day)	x

Check	Details	How? Purpose?	How often	
EU LRIT Related			Daily	Regular Report
Ship LRIT DB	Flag of the ships	To detect ships not having the country flag		x
	Model of the terminal	To properly identify those with type "Other"		x
EU LRIT CDC	Ships not integrated	To keep all ships registered in the EU LRIT DB reporting at the expected rate (6h)		x
	Ships not reporting			x