

Meeting: 14th SSN / LRIT Group Meeting

Place and date: Lisbon, 24 October 2023

Agenda item: SSN Data Quality Report

Document number: SSN/LRIT 14.5.1

Submitted by EMSA

Summary	This document presents SSN implementation at national level and the related data quality issues, including the interface with THETIS.
Action to be taken	As per paragraph 7.
Related documents	a. 13th SSN/LRIT Group Meeting Report b. SSN/LRIT 13.5.1 – SSN and LRIT Data Quality Report c. SSN/LRIT 14.4.1 – SSN Roadmap d. SSN/LRIT 14.5.2 – Revision of the Data Quality checks

1. Introduction

The purpose of the SSN Data Quality Report is to present the status of SSN implementation at national level and the related data quality issues, including the interface with THETIS. The report includes figures with the overall SSN performance and the behaviour of each national SSN system and focuses on issues to be resolved. In addition, this report presents the status of the commissioning tests and the implementation of SSN V5 by MSs.

2. SSN Implementation

SSN version 5.0 was deployed in the SSN Training environment on 20 July 2021. This release included only the changes to the system interface to allow MS to perform the commissioning tests of their national SSN systems. The following releases of SSN version 5 included upgrade of the web user interface and the mechanism for the SSN v5 transition. The full SSN v5 was deployed in Production on 12 January 2022. More details on SSN V5 implementation at EMSA and MS can be found in the section 2.1.

Bunkers information is reported by Bulgaria, Croatia, Cyprus, Estonia, Germany, Iceland, Italy, Lithuania, Malta, Norway, Poland, Romania, Slovenia, Spain and Sweden. Greece, Latvia and Portugal, though commissioned, are not yet reporting Bunkers information.

On 09 October 2023, the most recent list of UNECE LOCODEs (i.e. version 2022-2, released on 21 December 2022) will be uploaded in the Central Locations Database (CLD). On 13 July 2023 CLD version 1.10 and Central Organisations Database (COD) version 1.10 were deployed in Production.

The status of SSN implementation and notifications activity for each MS is shown in Annex I. Table 2 shows the implementation status by MS and Table 3 shows the number of notifications by MS and by type of notification.

2.1 SSN V5 status

The version SSN V5 includes a mechanism for the SSN v4-v5 transition, allowing national SSN systems to continue reporting in both V4 and V5.

This section presents the status of the MSs commissioning tests and implementation of SSN V5. The information shown in the table below was prepared in week 38, so as the information is dynamic in nature, some may be outdated at the time of the 14th SSN/LRIT group meeting.

Member State	Planned date for running CTs	Scope of the CTs	Planned date for entering in Production	Notes
Belgium	Completed	Updated PP+ for notifying waste related information, DPG details and exemptions plus S2S for: Reporting type of IR and receiving distributed IRs requesting ISPS details and exemptions notifying waste exemptions	In Production since 16 February 2022	1 st phase – national SSN system to be technically ready to send all required v5 information 2 nd phase – From Feb till May 2022 goal is to comply with the operational implementation of the PRF Directive and with the IR guidelines.
	Report under analysis	PP+ for notifying PAX information	December 2023 (TBD)	
Bulgaria	On-going		End 2023	To be updated
Croatia	Completed	Full scope	In Production since 27 January 2022	
Cyprus	Completed	Full scope	In Production since 12 December 2022	
Denmark	Completed	Only waste related information	In Production since 23 November 2022	
	Before Dec 2023 (TBD)	PP+ for notifying PAX information		
Estonia	Completed	Full scope	In Production since 26 October 2022	
Finland	September 2022	All mandatory functionalities / Full scope	In Production since 10 January 2023	
France	Completed	Only waste related information	April/May 2023 per port	
	Before Dec 2023 (TBD)	PP+ for notifying PAX information		
Germany	Completed	Full scope	In Production since 30 March 2022	PAX information pending
Greece	On-going	Full scope	TBD	

Member State	Planned date for running CTs	Scope of the CTs	Planned date for entering in Production	Notes
Iceland	April 2022	All mandatory functionalities	In Production since 5 September 2022	
Ireland	Completed	Full scope	In Production since 9 August 2022	
Italy	Completed	Full scope	In Production since 26 May 2022	
Latvia	Completed	Full scope	Last quarter 2023	
Lithuania	Completed	Full scope	In Production since 18 May 2022	
Malta	Completed	Full scope	In Production since 1 February 2022	
The Netherlands	Completed	without CrewAndPax	In Production since 9 February 2022	
	On-going	PP+ for notifying PAX information		
Norway	Completed	All mandatory functionalities	Pending (Q4 2023)	Waiting for legislation to be transposed to Norwegian law.
Poland	Completed	Full scope	In Production since 1 February 2023	
Portugal	Completed	Full scope	In Production since 9 February 2022	Not all ports are yet connected to V5
Romania	Completed	All mandatory functionalities	In Production since 13 March 2022	
Slovenia	April 2023	Full scope	In Production since 21 August 2023	
Spain	Completed	All mandatory functionalities	In Production since 24 May 2022	
Sweden	April 2022	All mandatory functionalities	In Production since 28 Sept 2023	PAX information pending

Table 1 - Status of commissioning tests and implementation of SSN V5 by MSs (in week 39)

Recommendation 1: Member States are invited to note the above information, and to provide feedback should there be any changes in the information presented at the time of the meeting. It should be noted that the status of SSN V5 (i.e. Commissioning tests and entering in production) will be presented at the next HLSC meeting.

2.2 PortPlus notifications

PortPlus notifications are widely reported by all MSs. However, some need to amend their implementation and/or operational procedures in the following areas:

- The percentage of missing Port information for Denmark, Estonia, Greece, Ireland, Italy and Montenegro is high (more than 1% - see Table 9).
- The percentage of missing Hazmat information for Ireland, Portugal and Spain is very high (more than 5%, see Table 10).
- The percentage of missing Advanced Waste Notifications for Croatia, France, Germany, Italy, Norway, Portugal, Spain and Sweden is high (more than 5%, see Table 11).
- The percentage of missing Waste Receipts for Belgium, Croatia, Estonia, Finland, Germany, Iceland, Ireland, Italy, Poland, Portugal, Slovenia, Spain and Sweden is high (more than 10%, see Table 12).
- The percentage of missing Security information for France, Greece, Italy, Norway, Portugal and Sweden is high (more than 5%, see Table 13).
- The lack of availability of the detailed part of notifications (see Section 5.5) is still an issue for some MSs (i.e. Estonia for Ship MRS and Bunkers details, Greece for Hazmat and Security details, Iceland for MRS details, Malta for Bunkers details, Norway for Hazmat, Security, Bunkers and MRS details, Portugal for Hazmat, Security and MRS details and Sweden for Hazmat details).
- Rejections are still an issue for some countries (see Section 5.6), with over 0.2% of PortPlus notifications being rejected (Bulgaria, Denmark, Finland, Germany, Greece, Ireland, Latvia, Malta, Montenegro, the Netherlands, Slovenia and Spain).
- Estonia, Finland, France, Germany, Latvia and Spain do not always provide the mandatory "PreArrival24HoursNotificationDetails" element (which includes POB information), and/or they use the "unknown" value (99999) to identify POB for a significant number of ship calls.
- Bulgaria, France, Greece, the Netherlands and Sweden report non-EU Departure Hazmat information for vessels coming from EU ports for a significant number of ship calls. It should be noted that, in these situations, the information provided overlaps with the information legitimately provided by departure ports and causes unnecessary data flows.
- The percentage of notifications lacking the ATA and/or the ATD from Croatia, Denmark, Finland, Germany, Iceland, Italy, the Netherlands, Norway, Portugal, Slovenia, Spain and Sweden is very high (over 1%, see Table 14).

Recommendation 2: The MSs mentioned in paragraphs 2.2 are invited to provide feedback.

2.3 Exemptions

For information provided in SSN, MSs can grant eight types of exemptions for ships:

- Port notifications (Article 15 of Directive 2002/59/EC),
- Hazmat notifications (Article 15 of Directive 2002/59/EC),
- Security notifications (Article 7 of Regulation (EC) No 725/2004),
- Waste notifications, Waste fees and Waste delivery (Article 9 of Directive 2019/883),
- "Exemption for Crew and Pax information" (Article 9 of Directive 98/41/EC) and
- "Derogation Crew and Pax" (Article 9 of Directive 98/41/EC).

In addition, there is a possibility to grant exemptions on ports under PRF Directive:

- Exemption for small non-commercial ports (Article 5(5) of Directive (EU) 2019/883);

- Exemption for small ports with unmanned facilities or that are remotely located (Article 7(2) of Directive (EU) 2019/883).

The central SSN system includes a functionality whereby MSs may report these exemptions.

On 21 September 2023, the number of vessel related exemptions registered in SSN was 10,588 (3,562 were active, 7,022 expired and 4 scheduled, see Table 4). Table 5 shows the number of ship calls that took place in August 2023 (i.e., ship calls with ATD in the reporting period), and the ways in which the detailed part of the notifications (24h Pre-Arrival, Hazmat, Waste and Security) was reported by MSs. The figures show that 5 MSs (Bulgaria, Cyprus and Portugal) do not have any active exemptions registered in SSN while most of the exemptions granted to MS ports relate to Waste (81.5%). Pre-Arrival, Hazmat and Security exemptions account for 4.4%, 5.7% and 7.9% respectively. Some Member States do not report the granted exemptions in SSN, thereby giving the impression that due notifications are missing.

Additionally, Croatia, Denmark, the Netherlands and Slovenia have exemptions registered in SSN for ports under PRF Directive.

Recommendation 3: Member States are invited to register exemptions in SSN system and update the existing exemptions information in SSN, in particular the information regarding the Ports to which the Exemption is applicable, in order to allow SSN to associate the exemption information to the relevant voyage.

2.4 Ship MRS notifications

Table 7 shows the number of reporting systems that have been adopted by the IMO, and which should be reported to SSN. Ship MRS notification are provided for all EU MRS systems adopted by IMO but there are some issues affecting the quality of MRS information which are being handled bilaterally with the concerned Member States.

Recommendation 4: MSs facing data quality issues related to MRS notifications are invited to take appropriate measures and/or contact EMSA for support its resolution.

2.5 Incident Reports (IR)

The exchange of IR information between MSs has not been widely implemented (see Table 8). The content of IR is analysed and reported yearly to Member States in the “Implementation of SafeSeaNet and LRIT” report. The wrong classification of IR and information provided solely in national language has not yet been resolved.

Improvements to the Incident Report exchanged through SSN and a revised version of the [Incident Report Guidelines \(v2.2\)](#) were included in SSN version 5 following the proposal made by the Incident Report Working Group established by the HLSG 4th meeting (11 December 2018).

Recommendation 5: Member States are invited to report all Incident types in accordance with the SSN Incident Report Guidelines.

3. SSN Common Operational Procedures - COP

Among other things, the COP includes procedures for LOCODE management and steps to follow whenever the EMSA/MSS detects missing, inconsistent or erroneous data. MSs regularly receive short reports via email indicating missing ship calls or Hazmat information (whether the request/response mechanism is working); issues affecting LOCODES and rejected messages and; the provision of Waste, Security and ATAs and ATDs. For issues associated with LOCODES, monthly reports are also provided to national PSC administrators in order to provide guidance on possible corrective action to be taken in THETIS.

Recommendation 6: MSs are invited to acknowledge the receipt of these individual monthly reports, and to take corrective actions, including liaising with the National Authority for PSC.

4. SSN System Availability and Performance

4.1 System availability

The performance levels during first semester of 2023 were as follows:

- a) The central SSN system was down three times, with a total duration of 10 hours 24 minutes. All of these downtimes were EMSA planned interventions. The maximum permissible period of continuous interruption was not exceeded, and the availability of the central SSN system was 99.76%.
- b) The SSN-THETIS interface was down thirty four times, with a total duration of 29 hours 59 minutes. No information was lost (just delayed).
- c) No relevant full downtimes were detected in the national SSN systems.
- d) Significant partial downtimes were observed for some national SSN systems. These affected the delivery of PortPlus information, and the service delivered by the THETIS system: Bulgaria (49h03m and 24h13m), Cyprus (25h46m), Finland (30h08m), Iceland (15h30m and 14h32m), Latvia (31h53m), Malta (12h43m and 14h02m), Norway (26h51m), Portugal (23h12m, 36h46m), Slovenia (46h33m) and Sweden (13h07m).

Recommendation 7: MSs are invited to take appropriate measures to reduce downtimes as far as possible.

4.2 Member State back-up procedures

In accordance with the IFCD (v1.1.1, section 4.4), back-up procedures should be in place for each SSN system component and should be implemented in the event of a failure or a scheduled interruption (as described in the SSN technical and operational documentation).

In the event of a failure or scheduled interruption, NCAs must ensure that SSN messages are stored and then transmitted to the central SSN system when communications and/or systems recover. The national and central SSN systems should be able to re-send messages for up to 2 weeks (ship position information may be downsampled for this purpose).

The topic of data buffering is analysed and reported yearly to Member States in the “Implementation of SafeSeaNet and LRIT” report. On certain occasions, due to the low number of notifications provided by the MSs and/or the short downtime periods, no conclusions were reached.

Recommendation 8: MSs are invited to store notifications during SSN intervention time windows, and to ensure that they are transmitted to the central SSN system when communications and/or systems have recovered (in accordance with Section 4.4 of the IFCD).

5. SSN Data Quality

The main data quality issues detected are listed below:

- a) Missing PortPlus notifications (see Section 5.1 and Table 9, Annex III);
- b) Missing Hazmat information (see Section 5.2 and Table 10, Annex III);
- c) Missing Advance Waste Notifications and Waste Receipts (see Section 5.3 and Tables 11 and 12, Annex III);
- d) Missing Security information (see Section 5.4 and Table 13, Annex III);
- e) Availability of the detailed part of notifications (see Section 5.5 and Table 14, Annex III);

f) Rejected notifications (see Section 5.6 and Table 15 and Table 16, Annex III).

The reporting period was August 2023, but for missing Port and Hazmat information, it was the first half of 2023. A summary of the findings is shown in Sections 5.1 - 5.6 and full details in Annex III.

5.1 Missing PortPlus notifications (ship calls)

EMSA checked 3,769 ships that visited EU ports in the first semester of 2023 and found that 22 of the due notifications were not sent to SSN (0.58% of ships). Figure 1 shows the overall trend by comparing the percentage figures for the previous reporting periods:

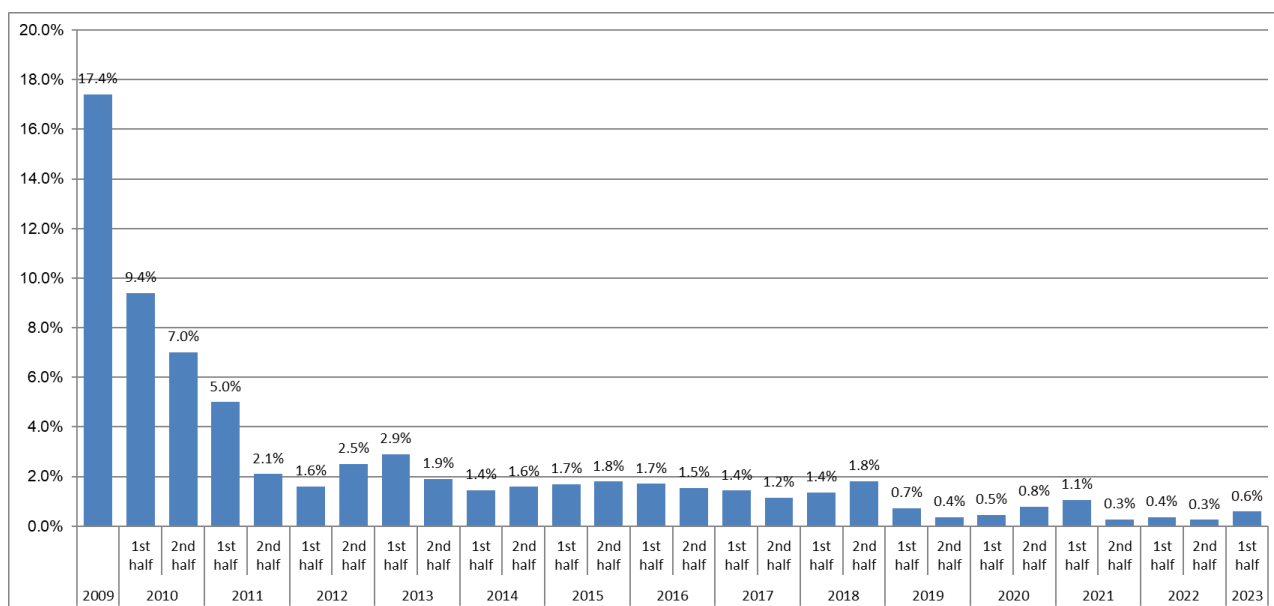


Figure 1 – Missing PortPlus notifications (ship calls) by reporting period

Recommendation 9: MSs are reminded that all notifications have to be provided in compliance with the requirements of Article 4 of Directive 2002/59/EC (as amended) and Article 24 of Directive 2009/16 (as amended) and not doing so is a breach of the Directives.

5.2 Missing Hazmat information

4.2% of the due Hazmat EU and Hazmat non-EU Departure notifications were not sent to SSN (i.e. 111 out of 2,642 notifications for ships carrying dangerous or polluting goods). With respect to the percentage figures for vessels having departed from MS ports with Hazmat cargoes on board (Hazmat EU Departure), the percentage of missing notifications increased from 3.7% to 3.9% (Figure 2 – blue data). For Hazmat non-EU Departures, the percentage of missing notifications decreased from 7.5% to 4.7% (Figure 2 – green data).

Figure 2 shows the overall trend by comparing the percentage figures for the previous reporting periods. The situation improved in the first semester of 2023. MSs should continue to improve their procedures for reporting Hazmat information (e.g. Finland, France, Ireland, Italy, Portugal, Spain and Sweden) as they have still a significant percentage of the reported issues.

The checks are based on the data already available in the SSN database, as each MRS notification provided to SSN contains information, whether Hazmat is carried on board when passing through the MRS.

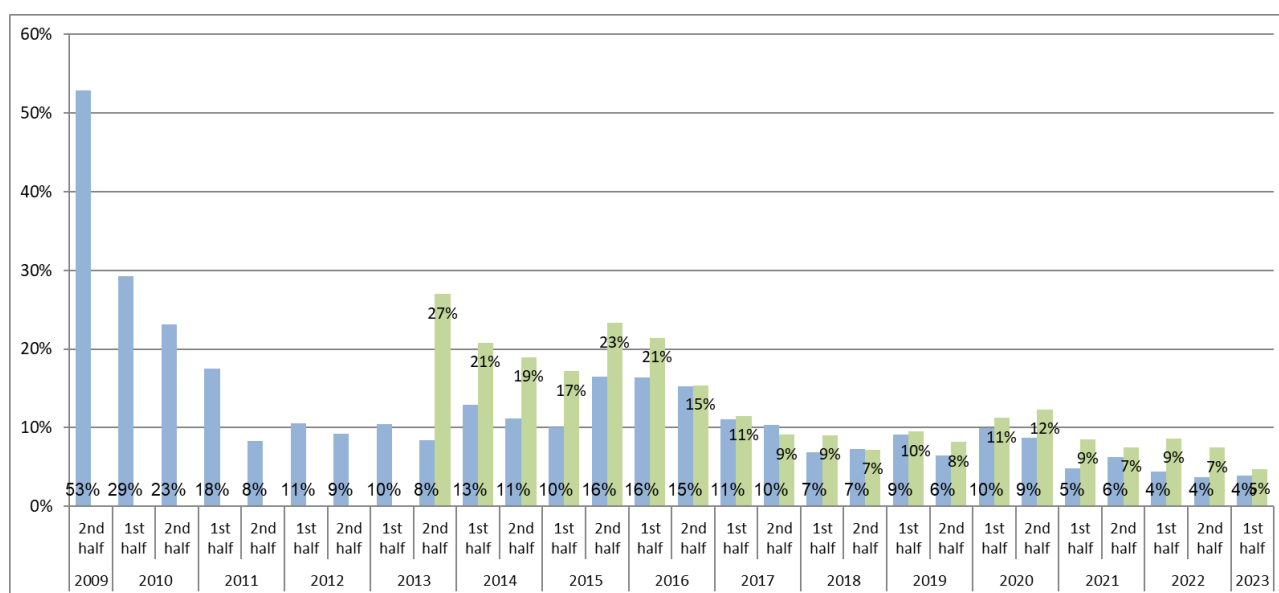


Figure 2 – Missing Hazmat information by reporting period
(Hazmat EU Departure – Blue; and Hazmat non-EU Departure – Green)

Table 10, Annex III includes the detailed results by MS.

Recommendation 10: Member States are invited to ensure that all notifications are provided in compliance with the requirements of Article 13 of Directive 2002/59/EC (as amended).

5.3 Missing Advanced Waste Notifications and Waste Receipts

EMSA monitors the percentage of missing Advanced Waste Notification (AWN) and Waste Receipts that should be provided in accordance with the Directive 2019/883. The percentage of missing AWN was 18.5 % (see Table 11), as compared to 17.6% in the previous reporting period. When analysing the figures, exemptions registered in SSN system and ship types were taken into account.

Figure 3 shows the overall trend by comparing the percentage figures for the previous reporting periods:

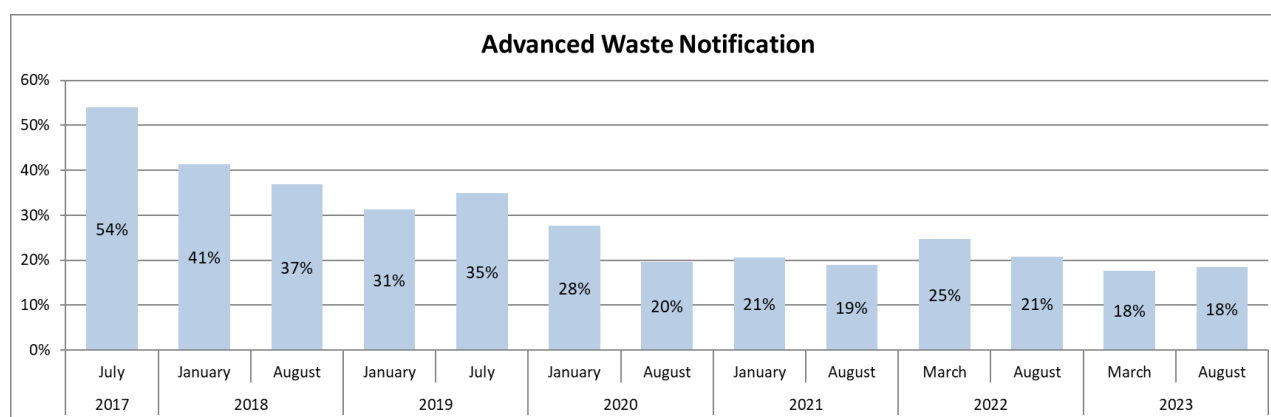


Figure 3 – Missing Waste Advanced Notification by reporting period

Regarding provision of Waste Receipts, the percentage of missing data in August 2023 was 21.2% (see Table 12), as compared to 24.7% in the previous reporting period (April 2023). Bulgaria, France, Greece, Latvia, Norway are not yet in connected to SSN V5 and consequently no Waste Receipts are provided.

Table 11 and 12, Annex III include the detailed results by MS.

Recommendation 11: Member States are invited to ensure that all notifications are provided in compliance with the requirements of Directive (EU) 2019/883, and to analyse the difference between the numbers of ship calls and the relevant Waste related data.

5.4 Missing Security information

EMSA checked that the percentage of missing Security notifications was 6.9% of ship calls (see Table 13), as compared to 9.1% in the previous period. When analysing the figures, exemptions registered in SSN system, ship type, gross tonnage and domestic voyages were taken into account.

Figure 4 shows the overall trend by comparing the percentage figures for the previous reporting periods:

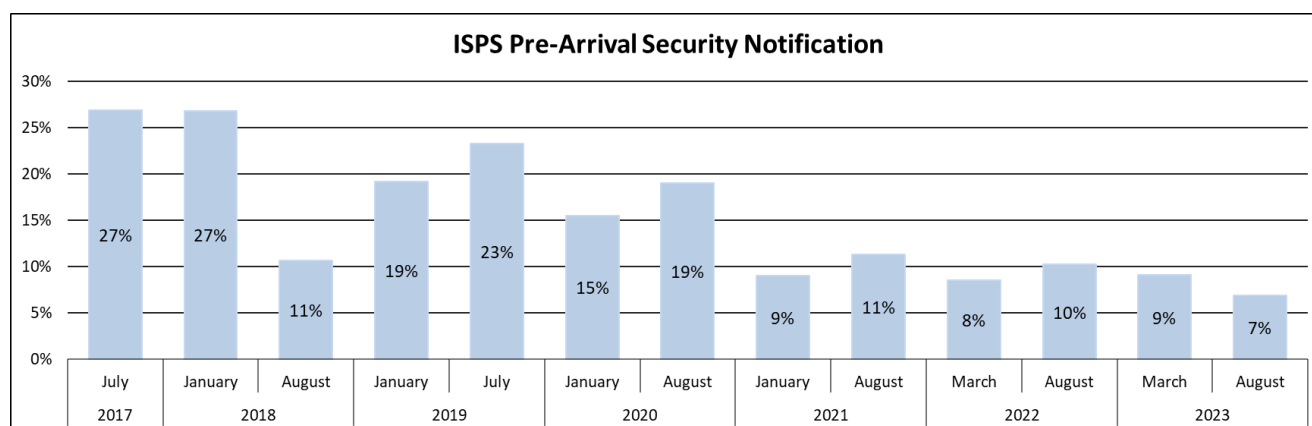


Figure 4 – Missing ISPS Pre-Arrival Security information by reporting period

Recommendation 12: Member States are invited to ensure that all notifications are provided in compliance with the requirements of Directives 2002/59/EC (as amended) and 2010/65/EU, and to analyse the difference between the numbers of ship calls and the relevant Security notifications.

5.5 Availability of the detailed part of notifications

Since the detailed part of PortPlus notifications (Hazmat, Security and Bunkers details) is available to MSs via the machine-to-machine interface upon request, it must be ensured that the request-response mechanism is always operational. Should the request-response mechanism not be working, the contact details of the reporting authority should be provided to the requester. MSs should therefore ensure that these details are kept updated and available on a 24/7 basis as a back-up solution for the provision of the detailed part of notifications.

The status of the availability of the detailed part of notifications provided by MSs is shown in Table 14, Annex III. The table shows that the issues with request/response mechanism were found for the following Member States: Estonia for Ship MRS and Bunkers details, Greece for Hazmat and Security details, Iceland for MRS details, Malta for Bunkers details, Norway for Hazmat, Security, Bunkers and MRS details, Portugal for Hazmat, Security and MRS details and Sweden for Hazmat details.

Recommendation 13: Estonia, Greece, Iceland, Malta, Norway, Portugal and Sweden are invited to ensure that the detailed part of the relevant notifications is made available to MS data requesters in electronic format.

Recommendation 14: MSs are invited to ensure that their contact details are kept updated and made available to MS data requesters on a 24/7 basis as a back-up solution for the provision of the detailed part of notifications.

5.6 Rejected notifications

The most frequent causes for the rejection of PortPlus notifications were as follows:

- The message identified by MSRefId [] has already been registered in SSN (Sent by []) (65.1%);
- A Port Plus notification must have ETAToNextPort subsequent to the ETDFromPortOfCall. ETAToNextPort greater than ETDFromPortOfCall (10.5%);
- Departure Notification Details once provided should be repeated in all update messages (5.4%);
- Locodes used in the elements LastPort Locode/PortOfCall Locode/NextPort Locode/ContactLocation Locode/PortDeliveryRemainingWaste Locode not technically correct or deactivated in SSN system (4.9%);
- A Port Plus notification must have ATAToPortOfCall prior to the actual departure time from port of call: ATAPortOfCall less than ATDPortOfCall (2.9%);
- ArrivalNotificationDetails is mandatory if ATDFromPortOfCall is provided unless CrewAndPaxNotificationOnDeparture is provided (and some other groups are not included) (1.8%).

The results can be found in Annex III (Tables 15 and 16). It should be noted that missing messages affect the proper implementation of both the VTMIS and PSC Directives.

Recommendation 15: MSs are invited to rectify the reported quality problems to ensure that rejected messages are eliminated, in particular by implementing checking rules in order to minimise inconsistent data in national SSN systems.

6. SSN Interface with THETIS

6.1 ATA and ATD not provided via PortPlus notifications

MSs have the responsibility to provide the actual times of arrival (ATA) and departure (ATD) for ships calling at their ports and anchorages¹ to the THETIS inspection database via SSN within a reasonable time (THETIS only recognises a ship call when the ATA has been provided). This section evaluates the availability of ATA/ATD information in SSN for vessels falling within the scope of Directives 2009/16/EC and 1999/35/EC.

52,507 of the ship calls created in SSN during August 2023 (via PortPlus) fell within the scope of these Directives (see Table 17, Annex IV). On average, 1.8% of ship call notifications lacked both the ATA and the ATD. In addition, a further 1.4% lacked only the ATD, despite the ships having already departed. The overall situation has slightly worsened in comparison with last reporting period (March 2023) and further effort is required from Member States to reduce number of missing data (see Figures 5 and 6 in Annex IV).

Recommendation 16: MSs are reminded to ensure that correct ATA and ATD information is always provided in compliance with the requirements of Article 24 of Directive 2009/16/EC (as amended).

6.2 Timeliness of ATA and ATD reported in SSN

Article 24 of Directive 2009/16/EC on PSC requires that ATA and ATD information for all ships calling at MS ports or anchorages “is transferred within a reasonable time to the inspection database through SafeSeaNet, together with an identifier of the port concerned”. THETIS implemented a new rule in June 2012 in order to reject ATAs or ATDs which are provided more than 3 hours in advance of the system date and time.

¹ For THETIS, the ATA/ATD to anchorage shall be notified (through SSN) only when the anchorage is within the jurisdiction of the port and there is a ship-shore interface.

EMSA compared the timeliness of ATA and ATD information with the date/time sent (the “SentAt” element in the notification), and Annex IV (Table 18) shows the results by MS. Croatia, Denmark, Germany, Italy, Montenegro and Portugal are the mostly affected. ATAs and ATDs provided more than 3 hours in advance, and which were therefore rejected by THETIS, affect 0.02% of overall ship calls. ATA and ATD information provided more than 3 hours late affected 14.7% and 11.6% of overall ship calls respectively. These notifications were not rejected by THETIS.

Recommendation 17: MSs are invited to provide the actual times of arrival (ATA) and departure (ATD) for ships calling at their ports and anchorages via SSN within a reasonable time in compliance with the requirements of Article 24 of Directive 2009/16/EC (as amended).

7. Actions Proposed

Member States are invited to provide feedback on the reported issues.

Annex I: SSN system implementation by Member State

Member State	SSN Data Quality					SSN Interface with Thetis				SSN Version	Relevant issues affecting Member State
	Missing Information				PortPlus Rejections	ATA / ATD Availability		Timeliness of reporting			
	PortPlus	Hazmat	Waste (AWN)	Security		Only ATD missing	ATA & ATD missing	ATA / ATD more than 3h in advance (rejected by Thetis)	ATA / ATD more than 72h late		
Belgium	0.0%	0.0%	0.7%	1.7%	0.00%	0.4%	0.0%	0.0%	0.0%	v5	
Bulgaria	0.0%	n.a	0.3%	0.0%	1.20%	0.0%	0.4%	0.0%	0.0%	v4	- Hazmat nonEU departure reported for vessels coming from EU ports (Sep 2016) - High number of rejected PortPlus notifications (Mar 2023) - SSN v5 not yet implemented
Croatia	0.0%	0.0%	88.6%	0.0%	0.00%	23.9%	1.4%	0.0%	4.2%	v5	- High number of missing Waste information (Mar 2017) - High number of Waste and Security provided after ship arrival to the port (Aug 2019) - High number of ship calls reporting ATA and/or ATD more than 72h late (Sep 2018) - High number of Hazmat EU departure provided after ship departure from the port (Aug 2022) - High number of ship calls missing ATA and/or ATD (Aug 2023)
Cyprus	0.0%	0.0%	0.0%	1.7%	0.02%	0.0%	0.0%	1.6%	0.7%	v5	- High number of ship calls reporting ATA and/or ATD more than 3h in advance (Aug 2023)
Denmark	1.8%	0.0%	2.0%	0.8%	1.79%	1.7%	1.0%	0.0%	1.3%	v5	- High number of rejected PortPlus notifications (Mar 2019) - High number of ship calls missing ATA and/or ATD (Sep 2020) - High number of ship calls reporting ATA and/or ATD more than 72h late (Sep 2020) - High number of Hazmat EU departure provided after ship departure from the port (Aug 2022) - Use of the 'unknown ZZUKN' Next Port of Call value in Hazmat EU departure (Aug 2022) - High number of missing Port information (Aug 2023)
Estonia	3.8%	0.0%	0.3%	0.0%	0.06%	0.0%	0.0%	0.0%	0.2%	v5	- Ship MRS (Mar 2016) and Bunkers (Sep 2023) details not available upon request - Use of the dummy Persons on Board (POB) value (Sep 2016) - High number of missing Port information (Aug 2023) - High number of Hazmat EU departure provided after ship departure from the port (Aug 2023)
Finland	0.5%	3.0%	0.5%	0.0%	0.72%	1.2%	0.1%	0.0%	0.4%	v5	- High number of missing Hazmat (Mar 2022) - High number of ship calls missing ATA and/or ATD (Mar 2017) - Use of the dummy Persons on Board (POB) value or missing to provide this value (Sep 2014) - High number of rejected PortPlus notifications (Mar 2023)
France	0.7%	3.3%	18.9%	8.3%	0.16%	0.2%	0.5%	0.0%	0.4%	v4	- High number of missing Waste (Mar 2017) and Security information (Mar 2017) - High number of Hazmat nonEU departure provided after ship arrival to the port (Mar 2020) - Hazmat nonEU departure reported for vessels coming from EU ports (Aug 2017) - Use of the dummy Persons on Board (POB) value or missing to provide this value (Jun 2009) - SSN v5 not yet implemented - High number of Hazmat EU departure provided after ship departure from the port (Aug 2023)
Germany	0.0%	0.6%	5.6%	1.0%	0.38%	1.1%	1.5%	0.0%	9.1%	v5	- High number of rejected PortPlus notifications (Sep 2016) - Use of the dummy Persons on Board (POB) value (Sep 2018) - High number of ship calls missing ATA and/or ATD (Sep 2020) - High number of missing Waste (Mar 2023) - High number of ship calls reporting ATA and/or ATD more than 72h late (Aug 2023) - High number of Hazmat EU departure provided after ship departure from the port (Aug 2023)
Greece	1.5%	0.0%	0.32%	5.7%	0.53%	0.4%	0.4%	0.0%	1.7%	v4	- High number of missing Security (Mar 2020) and Port (Aug 2023) information - Hazmat nonEU departure reported for vessels coming from EU ports (Aug 2021) - High number of Waste provided after ship arrival to the port (Aug 2022) - High number of ship calls reporting ATA and/or ATD more than 72h late (Mar 2023) - SSN v5 not yet implemented - High number of rejected PortPlus notifications (Aug 2023) - High number of Hazmat EU departure provided after ship departure from the port (Aug 2023) - Hazmat and Security details not available upon request (Sep 2023)

Table 2 – Implementation status by Member State on 27 September 2023

Member State	SSN Data Quality					SSN Interface with Thetis				SSN Version	Relevant issues affecting Member State
	Missing Information				PortPlus Rejections	ATA / ATD Availability		Timeliness of reporting			
	PortPlus	Hazmat	Waste (AWN)	Security		Only ATD missing	ATA & ATD missing	ATA / ATD more than 3h in advance (rejected by Thetis)	ATA / ATD more than 72h late		
Iceland	0.0%	n.a.	0.2%	0.0%	0.00%	0.3%	5.2%	0.0%	0.0%	v5	- High number of ship calls missing ATA and/or ATD (Aug 2022) - MRS details not available upon request (Sep 2023)
Ireland	1.5%	7.1%	4.8%	0.0%	0.63%	0.4%	0.0%	0.5%	2.3%	v5	- High number of missing Hazmat (Mar 2017) and Port (Aug 2023) information - High number of rejected PortPlus notifications (Aug 2019) - High number of ship calls reporting ATA and/or ATD more than 3h in advance (Aug 2021) and more than 72h late (Sep 2020) - High number of Hazmat EU departure provided after ship departure from the port (Aug 2023)
Italy	1.8%	3.6%	6.6%	7.8%	0.02%	1.1%	1.9%	0.1%	5.4%	v5	- High number of missing Port, Waste and Security information (Aug 2023) - High number of ship calls missing ATA and/or ATD (Aug 2023) - High number of ship calls reporting ATA and/or ATD more than 72h late (Aug 2023) - High number of Waste provided after ship arrival to the port (Mar 2020)
Latvia	0.0%	0.0%	0.0%	0.0%	0.34%	0.2%	0.0%	0.0%	0.0%	v4	- High number of rejected PortPlus notifications (Aug 2019) - Use of the dummy Persons on Board (POB) value or missing to provide this value (Mar 2022) - SSN v5 not yet implemented
Lithuania	0.0%	1.2%	0.3%	0.3%	0.14%	0.0%	0.0%	0.0%	0.4%	v5	
Malta	0.0%	0.0%	0.0%	0.0%	0.74%	0.0%	0.0%	0.0%	0.1%	v5	- High number of rejected PortPlus notifications (Aug 2023) - Bunkers details not available upon request (Sep 2023)
Montenegro	3.6%	n.a.	n.a.	n.a.	1.11%	0.0%	0.0%	0.4%	0.0%	v4	- High number of missing Port information (Mar 2023) - High number of rejected PortPlus notifications (Aug 2023)
Netherlands	0.0%	0.9%	2.7%	1.0%	3.96%	0.7%	0.4%	0.0%	0.1%	v5	- Hazmat nonEu departure reported for vessels coming from EU ports (Aug 2017) - High number of ship calls missing ATA / ATD (Sep 2022) - High number of rejected PortPlus notifications (Aug 2023)
Norway	0.0%	1.9%	6.5%	9.9%	0.01%	4.1%	9.0%	0.0%	0.5%	v4	- High number of missing Waste (Mar 2023) and Security (Aug 2023) information - High number of ship calls missing ATA / ATD (Sep 2015) - SSN v5 not yet implemented - Hazmat, Security, Bunkers and MRS details not available upon request (Sep 2023)
Poland	0.0%	0.0%	0.0%	0.4%	0.10%	0.0%	0.0%	0.0%	0.2%	v5	

Table 2 – Implementation status by Member State on 27 September 2023 (cont.)

Member State	SSN Data Quality					SSN Interface with Thetis				SSN Version	Relevant issues affecting Member State
	Missing Information				PortPlus Rejections	ATA / ATD Availability		Timeliness of reporting			
	PortPlus	Hazmat	Waste (AWN)	Security		Only ATD missing	ATA & ATD missing	ATA / ATD more than 3h in advance (rejected by Thetis)	ATA / ATD more than 72h late		
Portugal	0.7%	16.4%	7.4%	41.5%	0.07%	1.0%	15.9%	0.0%	12.1%	v4/v5	- High number of missing Hazmat (May 2021), Waste (Sep 2020) and Security (Aug 2023) information - High number of ship calls missing ATA and/or ATD (Sep 2018) - High number of Waste (Sep 2020) and Security (Aug 2023) provided after ship arrival to the port - Request-Response mechanism not working - High number of ship calls reporting ATA and/or ATD more than 72h late (Aug 2023)
Romania	0.8%	0.0%	0.6%	0.0%	0.04%	0.4%	0.2%	0.0%	0.0%	v5	- Use of the 'unknown ZZUKN' Next Port of Call value in Hazmat EU departure (Aug 2022)
Slovenia	0.0%	0.0%	0.0%	0.0%	2.09%	1.3%	0.6%	0.0%	0.0%	v5	- High number of rejected PortPlus notifications (Aug 2022) - High number of ship calls missing ATA and/or ATD (Aug 2023)
Spain	0.0%	22.9%	68.0%	4.5%	0.71%	2.0%	2.0%	0.0%	1.5%	v5	- High number of missing Hazmat (Sep 2016) and Waste (Mar 2017) information - High number of rejected PortPlus notifications (Aug 2019) - High number of ship calls missing ATA and/or ATD (Sep 2020) - High number of ship calls reporting ATA and/or ATD more than 72h late (Mar 2017) - Use of the dummy Persons on Board (POB) value (Jan 2009) - High number of Hazmat EU departure provided after ship departure from the port (Mar 2018)
Sweden	0.0%	4.7%	32.2%	33.1%	0.01%	0.5%	0.8%	0.0%	1.3%	v5	- High number of missing Waste (Mar 2022) and Security (Mar 2017) information - High number of Hazmat EU departure provided after ship departure from the port (Aug 2019) - Non-EU Departure Hazmat reported for vessels coming from EU ports (Aug 2021) - High number of ship calls reporting ATA and/or ATD more than 72h late (Mar 2023) - High number of ship calls missing ATA and/or ATD (Aug 2023) - Hazmat details not available upon request (Sep 2023)
Total	0.6%	4.2%	18.5%	6.9%	0.76%	1.4%	1.8%	0.02%	2.1%	-	Updated: 27 September 2023

Table 2 – Implementation status by Member State on 27 September 2023 (cont.)

Member State	Shipcalls			AIS ⁽¹⁾	MRS	Incident Reports	Total
	New	Updates	Cancellations				
Belgium	12,654	183,302	408	79,755,561	234	56	79,952,215
Bulgaria	1,434	15,788	29	9,631,880	-	3	9,649,134
Croatia	4,408	13,394	18	25,369,961	3,972	37	25,391,790
Cyprus	1,622	28,550	30	11,863,556	-	-	11,893,758
Denmark	15,184	44,991	481	120,607,854	29,192	13	120,697,715
Estonia	4,822	25,718	53	62,426,604	34,173	7	62,491,377
Finland	15,121	86,349	670	41,210,566	18,085	66	41,330,857
France	28,332	172,371	2,189	72,759,475	75,999	173	73,038,539
Germany	27,328	134,443	333	220,413,706	-	23	220,575,833
Greece	168,548	537,818	4,318	78,273,752	-	23	78,984,459
Iceland	1,692	3,381	168	45,839,650	414	-	45,845,305
Ireland	6,623	27,143	39	15,761,844	41	8	15,795,698
Italy	33,077	225,106	918	88,731,162	11,078	280	89,001,621
Latvia	3,099	18,839	49	10,439,708	-	11	10,461,706
Lithuania	2,348	22,529	79	5,094,037	-	9	5,119,002
Malta	5,602	31,253	868	8,583,472	-	7	8,621,202
Montenegro	408	814	3	3,348,229	-	-	3,349,454
Netherlands	26,652	414,858	1,419	150,927,827	-	42	151,370,798
Norway	76,394	451,303	4,657	322,684,772	497	8	323,217,631
Poland	8,613	82,299	309	30,518,630	9,797	4	30,619,652
Portugal	6,201	41,752	510	26,819,809	4,658	16	26,872,946
Romania	2,684	19,867	175	25,431,337	-	-	25,454,063
Slovenia	1,825	7,967	33	4,942,900	743	5	4,953,473
Spain	86,832	575,569	8,010	119,741,741	66,273	60	120,478,485
Sweden	24,326	179,911	1,158	160,510,050	-	40	160,715,485
Total	565,829	3,345,315	26,924	1,741,688,083	255,156	891	1,745,882,198

(1) AIS information transmitted through streaming mechanisms

Table 3 – Number of notifications by Member State and by type of notification

Reporting period: January – June 2023

Member State	Expired exemptions								Active exemptions							
	Hazmat	Pre-Arrival	Waste Notification	Waste Delivery	Waste Fees	Security	CrewAndPax	CrewAndPax Derogation	Hazmat	Pre-Arrival	Waste Notification	Waste Delivery	Waste Fees	Security	CrewAndPax	CrewAndPax Derogation
Belgium	-	2	237	165	162	44	-	-	-	-	131	124	120	-	-	-
Bulgaria	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Croatia	-	44	-	-	-	-	-	-	-	31	-	-	-	-	-	-
Cyprus	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Denmark	4	1	2	-	-	3	-	-	43	38	117	-	-	41	-	-
Estonia	1	-	52	-	-	13	-	-	-	1	27	-	-	15	-	-
Finland	1	13	-	-	-	15	-	-	-	-	128	-	-	43	-	-
France	59	20	453	323	308	114	-	-	11	1	117	86	39	42	-	-
Germany	-	-	236	192	233	16	-	-	-	-	215	210	216	66	-	-
Greece	-	18	3	-	-	-	-	-	-	91	59	-	-	6	-	-
Iceland	4	11	2	-	-	5	-	-	2	2	16	3	-	1	-	-
Ireland	-	-	2	1	1	20	-	-	-	-	27	25	22	5	-	-
Italy	399	103	980	1,551	-	39	-	-	20	27	246	137	-	26	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Lithuania	-	-	11	242	465	71	-	-	-	-	-	12	12	25	-	-
Malta	-	-	-	-	-	-	-	-	-	-	2	2	2	-	-	-
Netherlands	-	-	81	4	70	59	-	-	-	-	116	7	116	17	-	-
Norway	8	8	12	-	-	8	-	-	4	4	3	-	-	4	1	-
Poland	-	1	21	-	-	2	-	-	-	-	25	-	-	30	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Romania	1	1	1	1	1	1	-	-	43	43	43	43	43	43	43	4
Slovenia	-	-	5	5	-	-	-	-	-	-	2	1	1	-	-	-
Spain	-	-	14	16	-	-	-	-	-	-	6	27	-	-	-	-
Sweden	2	1	52	1	-	3	-	-	4	5	108	85	1	57	-	-
Total	479	223	2,164	2,501	1,242	413	-	-	127	243	1,388	762	572	422	44	4

Table 4 – Number of exemptions by type of notification registered in SSN on 21 September 2023

Member State	Shipcalls										
	Total	With Pre-Arrival		With Hazmat			With Waste		With Security		
		Information Reported	Exemption Registered	Hazmat nonEu Reported	Hazmat Eu Reported	Exemption Registered	Information Reported	Exemption Registered	Domestic	Information Reported	Exemption Registered
Belgium	2,033	2,033	-	463	1,191	-	1,673	271	194	1,728	2
Bulgaria	292	292	-	253	63	-	291	-	34	253	-
Croatia	3,640	3,640	-	2	289	-	376	-	174	202	-
Cyprus	274	274	-	45	81	-	266	-	16	229	-
Denmark	2,677	2,677	-	28	347	-	1,681	388	792	955	39
Estonia	800	800	-	1	354	-	687	100	12	270	489
Finland	2,416	2,416	-	8	685	-	827	1,547	748	683	902
France	5,677	5,677	-	533	2,419	-	1,684	2,862	1,219	3,384	454
Germany	4,737	4,737	-	137	1,922	-	2,136	2,322	554	1,851	2,139
Greece	31,238	31,237	1	322	2,074	-	28,609	1,990	21,787	1,567	-
Iceland	611	611	-	31	30	-	577	14	404	186	-
Ireland	1,220	1,220	-	445	328	-	971	184	97	1,114	-
Italy	7,359	7,359	-	347	1,491	59	4,139	2,687	4,204	2,382	123
Latvia	452	452	-	3	107	-	446	-	16	434	-
Lithuania	377	377	-	12	131	-	376	-	1	273	96
Malta	892	892	-	117	408	-	500	10	177	693	-
Montenegro	115	115	-	-	-	-	-	-	-	-	-
Netherlands	4,468	4,468	-	1,820	2,095	-	3,310	650	603	3,117	124
Norway	3,195	3,195	-	24	579	-	2,909	-	1,787	1,038	28
Poland	1,465	1,465	-	39	490	-	1,223	186	175	1,026	137
Portugal	749	749	-	44	291	-	690	-	288	266	-
Romania	471	471	-	63	60	-	468	-	44	413	-
Slovenia	148	148	-	19	69	-	142	2	-	144	-
Spain	16,793	16,793	-	452	1,472	-	4,357	247	8,027	4,986	-
Sweden	4,276	4,276	-	33	1,051	-	1,258	1,626	1,002	1,499	679
Total	96,375	96,374	1	5,241	18,027	59	59,596	15,086	42,355	28,693	5,212

Table 5 – Number of ship calls and how the detailed part of notifications is reported by Member States (reporting period: August 2023)

Member State	Messaging Interface	Streaming Interface	
	Ship AIS	AIS Reports	Regional Server / Proxy
Belgium	-	14,748,293	North Sea
Bulgaria	-	2,602,157	MARES
Croatia	-	7,506,001	MARES
Cyprus	-	4,431,466	MARES
Denmark	-	24,020,920	HELCOM
Estonia	-	8,788,115	HELCOM
Finland	-	8,357,939	HELCOM
France	-	16,588,764	North Sea and MARES (Mediterranean Coast)
Germany	-	36,230,770	HELCOM and North Sea
Greece	-	19,295,535	MARES
Iceland	-	7,536,273	North Atlantic
Ireland	-	2,084,102	North Sea
Italy	-	22,823,115	MARES
Latvia	-	1,738,666	HELCOM
Lithuania	-	786,468	HELCOM
Malta	-	1,319,768	MARES
Montenegro	-	650,643	MARES
Netherlands	-	29,354,700	North Sea
Norway	-	53,485,541	North Atlantic
Poland	-	5,164,207	HELCOM
Portugal	-	5,096,211	MARES
Romania	-	4,934,832	MARES
Slovenia	-	790,054	HELCOM
Spain	-	26,831,620	MARES
Sweden	-	33,592,014	HELCOM
Total	-	338,758,174	

Table 6 – Number of AIS reports by Member State and Interface (reporting period: August 2023)

Member State	MRS	Area	Ship MRS Notifications
Belgium	WETREP	EU Atlantic Coast (only for ships carrying heavy grade oils)	28
Bulgaria	-	-	-
Croatia	ADRIREP	Adriatic Sea	650
Cyprus	-	-	-
Denmark	BELTREP	Great Belt	2,062
	SOUNDREP	The Sound	2,870
Estonia	GOFREP	Gulf of Finland	5,974
Finland	GOFREP	Gulf of Finland	2,924
France	BONIFREP	Strait of Bonifacio (only DPG)	302
	CALDOVREP	Dover Strait/ Pas de Calais	3,119
	MANCHREP	Off Les Casquets/ La Manche	5,154
	OUESSREP	Off Ouessant	3,745
	WETREP	EU Atlantic Coast (only for ships carrying heavy grade oils)	15
Germany	-	-	-
Greece	-	-	-
Iceland	TRANSREP	South & South West coast of Iceland	137
Ireland	WETREP	EU Atlantic Coast (only for ships carrying heavy grade oils)	12
Italy	ADRIREP	Adriatic Sea	1,651
	BONIFREP	Strait of Bonifacio (only DPG)	257
Latvia	-	-	-
Lithuania	-	-	-
Malta	-	-	-
Montenegro	-	-	-
Netherlands	-	-	-
Norway	BAREP	Barents Sea	74
Poland	GDANREP	Gulf of Gdansk	1,637
Portugal	COPREP	Coast of Portugal	3,259
	WETREP	EU Atlantic Coast (only for ships carrying heavy grade oils)	18
Romania	-	-	-
Slovenia	ADRIREP	Adriatic Sea	129
Spain	CANREP	Canary Islands (only for ships carrying heavy grade oils)	37
	FINREP	Finisterre (NW Coast of Spain)	3,110
	GATREP ⁽¹⁾	Gulf of Almeria (Gata Cape)	3,401
	GIBREP	Strait of Gibraltar	4,754
	WETREP	EU Atlantic Coast (only for ships carrying heavy grade oils)	28
Sweden	SOUNDREP ⁽²⁾	The Sound	-
Total			45,347

(1) Voluntary Ship Reporting System

(2) Sweden SOUNDREP reports are transmitted to SSN by Denmark

Table 7 – Number of MRS reports by Member State and SSN Protocol (reporting period: August 2023)

Member State	Incident Type								Protocol		Total
	SITREP	POLREP	WASTE	L&F Containers	Failed Notification	Pilot / Port Report	VTs Rules Infringement	Others	XML	WEB	
Belgium	8	1	-	-	-	47	-	-	55	1	56
Bulgaria	-	-	-	-	-	2	1	-	3	-	3
Croatia	20	-	-	-	-	-	16	1	37	-	37
Cyprus	-	-	-	-	-	-	-	-	-	-	-
Denmark	11	-	-	-	-	-	-	2	-	13	13
Estonia	7	-	-	-	-	-	-	-	7	-	7
Finland	38	-	-	-	2	-	25	1	66	-	66
France	86	33	-	-	2	9	1	42	116	57	173
Germany	17	-	-	-	-	1	1	4	-	23	23
Greece	17	-	-	-	-	-	-	6	-	23	23
Iceland	-	-	-	-	-	-	-	-	-	-	-
Ireland	6	1	-	-	-	-	-	1	-	8	8
Italy	175	1	-	-	2	24	-	78	-	280	280
Latvia	5	-	-	-	-	-	-	6	-	11	11
Lithuania	2	1	-	-	-	5	-	1	9	-	9
Malta	2	-	-	-	-	1	-	4	-	7	7
Netherlands	38	1	-	-	-	-	-	3	-	42	42
Norway	6	2	-	-	-	-	-	-	-	8	8
Poland	2	-	-	-	-	-	-	2	4	-	4
Portugal	16	-	-	-	-	-	-	-	-	16	16
Romania	-	-	-	-	-	-	-	-	-	-	-
Slovenia	2	-	-	-	-	2	-	1	5	-	5
Spain	58	-	-	-	-	-	-	2	58	2	60
Sweden	4	2	-	1	-	-	32	1	-	40	40
Total	520	42	-	1	6	91	76	155	360	531	891

Table 8 – Number of Incident Reports by Member State and by Type (reporting period: January – June 2023)

Annex III: Data quality

Member State	First half 2023 (Jan 2023 - Jun 2023)														Evolution
	Nr. Checks	Notifications Missing	2018		2019		2020		2021		2022		2023		
			Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun		
Belgium	206	0	1%	1%	1%	0%	0%	1%	1%	0%	0%	0%	0.00%		
Bulgaria	111	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%		
Croatia	130	0	0%	4%	0%	1%	0%	0%	1%	0%	0%	0%	0.00%		
Cyprus	149	0	0%	0%	4%	0%	0%	1%	0%	0%	0%	0%	0.00%		
Denmark	226	4	5%	6%	4%	1%	1%	0%	2%	0%	0%	0%	1.77%		
Estonia	130	5	0%	2%	2%	1%	0%	2%	1%	0%	0%	0%	3.85%		
Finland	195	1	0%	1%	1%	0%	1%	2%	3%	0%	1%	1%	0.51%		
France	135	1	1%	2%	1%	0%	0%	0%	1%	1%	0%	0%	0.74%		
Germany	187	0	2%	2%	0%	0%	1%	1%	2%	1%	1%	0%	0.00%		
Greece	195	3	0%	4%	0%	0%	0%	1%	1%	0%	0%	1%	1.54%		
Iceland	140	0	1%	1%	0%	0%	0%	1%	0%	0%	1%	0%	0.00%		
Ireland	130	2	1%	0%	0%	1%	0%	0%	0%	0%	0%	0%	1.54%		
Italy	165	3	4%	2%	1%	0%	0%	3%	1%	1%	0%	0%	1.82%		
Latvia	121	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%		
Lithuania	130	0	0%	1%	0%	0%	0%	0%	1%	1%	0%	0%	0.00%		
Malta	120	0	3%	5%	0%	0%	0%	0%	3%	0%	0%	0%	0.00%		
Montenegro	28	1	-	5%	0%	0%	0%	0%	5%	2%	0%	2%	3.57%		
Netherlands	180	0	0%	0%	1%	0%	0%	1%	0%	0%	0%	0%	0.00%		
Norway	193	0	4%	5%	1%	1%	0%	2%	1%	0%	2%	2%	0.00%		
Poland	141	0	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%		
Portugal	142	1	3%	1%	1%	5%	9%	2%	5%	3%	5%	2%	0.70%		
Romania	126	1	1%	1%	1%	1%	0%	1%	0%	0%	0%	0%	0.79%		
Slovenia	140	0	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%		
Spain	152	0	0%	1%	0%	0%	0%	1%	2%	1%	0%	0%	0.00%		
Sweden	197	0	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0.00%		
Total	3,769	22	1.4%	1.8%	0.7%	0.4%	0.5%	0.8%	1.1%	0.3%	0.4%	0.3%	0.58%		

Table 9 – Missing Port notifications by Member State and by reporting period

Values not complying with the IFCD are highlighted in red

Member State	Hazmat EU Departure													Evolution	Member State	Hazmat non-EU Departure													Evolution
	First half 2023 (Jan 2023 - Jun 2023)															First half 2023 (Jan 2023 - Jun 2023)													
			Nr. Checks	Notifications Missing	2018	2019		2020		2021		2022						2023	Nr. Checks	Notifications Missing	2018	2019		2020		2021		2022	
	Jul-Dec	Jan-Jun			Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec			Jan-Jun	Jul-Dec	Jan-Jun			Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun			
Belgium	112	0	1%	2%	1%	1%	1%	1%	0.0%	0.0%	2.0%	0.0%		Belgium	107	0	5%	1%	3%	3%	11%	5%	4.0%	0.0%	6.0%	0.0%			
Bulgaria	0	0	29%	n.a.	n.a.	0%	0%	0%	0.0%	8.3%	11.1%	n.a.		Bulgaria	0	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.				
Croatia	61	0	1%	2%	0%	0%	0%	1%	0.0%	0.0%	0.0%	0.0%		Croatia	28	0	0%	2%	0%	0%	2%	0.0%	0.0%	0.0%	0.0%				
Cyprus	7	0	15%	4%	0%	0%	0%	0%	0.0%	0.0%	0.0%	0.0%		Cyprus	2	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.0%	0.0%	0.0%				
Denmark	81	0	3%	14%	3%	22%	0%	3%	2.7%	4.3%	0.0%	0.0%		Denmark	18	0	10%	9%	0%	0%	33%	8%	12.5%	21.7%	0.0%	0.0%			
Estonia	28	0	0%	1%	0%	25%	0%	1%	0.0%	0.0%	0.0%	0.0%		Estonia	4	0	2%	2%	0%	0%	0%	0.0%	0.0%	#DIV/0!	0.0%				
Finland	28	1	11%	5%	7%	0%	7%	1%	4.2%	1.7%	6.3%	3.6%		Finland	5	0	6%	13%	0%	n.a.	n.a.	n.a.	n.a.	25.0%	50.0%	0.0%			
France	112	4	5%	7%	6%	4%	7%	5%	7.3%	5.2%	3.0%	3.6%		France	102	3	17%	12%	7%	6%	7%	19%	8.1%	11.0%	8.3%	2.9%			
Germany	108	1	3%	3%	1%	4%	3%	0%	0.0%	2.8%	4.4%	0.9%		Germany	58	0	4%	5%	2%	0%	0%	2%	1.3%	3.7%	0.0%	0.0%			
Greece	109	0	5%	3%	4%	7%	3%	2%	2.1%	0.9%	0.0%	0.0%		Greece	14	0	0%	0%	8%	0%	0%	11%	15.4%	12.5%	9.1%	0.0%			
Iceland	0	0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.		Iceland	0	0	n.a.	n.a.	n.a.	0%	n.a.	n.a.	n.a.	n.a.	n.a.				
Ireland	87	7	6%	10%	7%	8%	18%	9%	15.2%	11.1%	16.7%	8.0%		Ireland	11	0	n.a.	n.a.	n.a.	0%	100%	50%	20.0%	7.1%	0.0%	0.0%			
Italy	115	4	4%	11%	4%	6%	8%	7%	7.2%	4.3%	5.8%	3.5%		Italy	110	4	8%	12%	3%	0%	9%	10%	8.0%	0.0%	8.1%	3.6%			
Latvia	55	0	1%	1%	0%	0%	7%	1%	2.9%	2.3%	0.0%	0.0%		Latvia	10	0	0%	6%	n.a.	n.a.	n.a.	n.a.	14.3%	25.0%	0.0%				
Lithuania	68	1	2%	1%	0%	0%	14%	2%	0.0%	0.0%	0.0%	1.5%		Lithuania	18	0	5%	0%	0%	25%	0%	0%	0.0%	0.0%	0.0%				
Malta	66	0	3%	1%	5%	6%	25%	2%	10.5%	1.6%	5.4%	0.0%		Malta	9	0	6%	0%	13%	0%	100%	15%	0.0%	0.0%	22.2%	0.0%			
Netherlands	114	1	6%	1%	2%	4%	3%	2%	1.0%	0.0%	0.0%	0.9%		Netherlands	112	1	1%	2%	3%	5%	1%	0%	0.0%	0.0%	0.0%	0.9%			
Norway	91	2	2%	6%	9%	4%	9%	8%	11.3%	6.5%	0.0%	2.2%		Norway	16	0	0%	31%	n.a.	50%	0%	25%	14.3%	18.8%	0.0%	0.0%			
Poland	99	0	1%	2%	0%	0%	0%	1%	0.0%	0.0%	0.0%	0.0%		Poland	83	0	0%	1%	0%	0%	0%	3%	0.0%	0.0%	5.0%	0.0%			
Portugal	111	16	8%	n.a.	3%	3%	10%	5%	12.4%	11.5%	5.0%	14.4%		Portugal	48	10	1%	3%	3%	2%	20%	9%	18.0%	30.5%	26.0%	20.8%			
Romania	14	0	17%	n.a.	0%	13%	0%	0%	0.0%	0.0%	0.0%	0.0%		Romania	2	0	n.a.	n.a.	n.a.	0%	n.a.	n.a.	n.a.	n.a.	n.a.				
Slovenia	42	0	0%	0%	0%	3%	0%	0%	0.0%	0.0%	0.0%	0.0%		Slovenia	47	0	1%	3%	0%	0%	0%	0%	0.0%	0.0%	0.0%	0.0%			
Spain	112	26	32%	42%	22%	34%	28%	23%	27.2%	15.5%	14.0%	23.2%		Spain	111	25	25%	36%	29%	33%	29%	22%	23.2%	21.9%	13.9%	22.5%			
Sweden	88	4	19%	35%	30%	5%	36%	12%	12.0%	12.5%	4.0%	4.5%		Sweden	19	1	3%	24%	20%	25%	33%	16%	0.0%	47.4%	9.1%	5.3%			
Total	1,708	67	7.3%	9.5%	6.5%	10.0%	8.7%	4.8%	6.2%	4.4%	3.7%	3.9%		Total	934	44	7.2%	9.1%	8.2%	11.1%	12.3%	8.5%	7.5%	8.6%	7.5%	4.7%			

Table 10 – Missing Hazmat EU Departure and non-EU Departure notifications by Member State and by reporting period²

Values not complying with the IFCD are highlighted in red

² Percentages are employed to allow MSs to verify their trends in a more user-friendly way. Percentages should be disregarded for those MSs with a low number of samples employed.

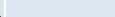
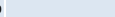
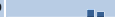
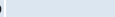
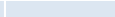
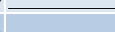
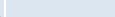
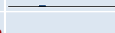
Member State	Advanced Waste Notification												Evolution
	2018		2019		2020		2021		2022		2023		
	January	August	January	July	January	August	January	August	March	August	March	August	
Belgium	17.7%	17.5%	10.2%	6.7%	1.65%	1.15%	1.89%	2.48%	8.49%	0.97%	0.80%	0.72%	
Bulgaria	1.9%	0.3%	0.0%	0.6%	0.00%	0.34%	0.00%	0.32%	1.32%	0.00%	0.83%	0.34%	
Croatia	6.1%	40.9%	15.3%	38.8%	16.39%	25.74%	24.81%	54.80%	40.90%	81.74%	50.86%	88.56%	
Cyprus	4.3%	1.1%	0.4%	0.0%	1.23%	0.00%	0.47%	0.47%	0.00%	0.00%	0.78%	0.00%	
Denmark	7.2%	4.7%	6.0%	5.5%	1.40%	5.15%	1.37%	1.59%	3.77%	2.60%	1.86%	2.02%	
Estonia	22.8%	19.2%	19.3%	6.1%	2.73%	4.20%	0.38%	0.10%	0.00%	0.33%	0.87%	0.25%	
Finland	31.7%	27.0%	8.5%	3.5%	6.61%	5.95%	8.03%	4.86%	0.17%	0.41%	1.01%	0.51%	
France	52.2%	33.0%	21.7%	14.8%	24.86%	17.50%	28.47%	19.62%	21.53%	23.52%	15.85%	18.86%	
Germany	47.2%	47.7%	41.2%	41.6%	44.06%	36.94%	55.26%	16.74%	43.36%	4.28%	35.01%	5.64%	
Greece	-	-	-	-	72.11%	2.06%	4.13%	1.28%	1.16%	0.39%	0.22%	0.32%	
Iceland	0.0%	0.2%	2.0%	0.0%	4.09%	3.81%	8.05%	0.00%	0.00%	0.40%	4.29%	0.16%	
Ireland	0.0%	0.0%	0.0%	0.1%	0.00%	0.00%	0.00%	0.00%	26.17%	20.44%	3.96%	4.84%	
Italy	18.7%	23.7%	23.6%	20.9%	22.62%	28.16%	29.94%	38.65%	22.07%	11.34%	4.03%	6.55%	
Latvia	0.7%	0.2%	0.5%	0.0%	0.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Lithuania	0.0%	0.0%	0.2%	0.0%	0.25%	0.00%	0.00%	0.00%	0.26%	0.26%	0.77%	0.27%	
Malta	43.7%	1.7%	1.4%	1.2%	1.74%	1.22%	3.97%	0.88%	0.24%	0.00%	0.00%	0.00%	
Netherlands	18.9%	25.0%	7.9%	9.4%	7.29%	9.55%	5.07%	11.22%	5.86%	4.97%	2.02%	2.72%	
Norway	24.0%	21.2%	8.3%	7.0%	8.19%	6.56%	6.93%	6.84%	7.74%	2.70%	6.91%	6.52%	
Poland	0.9%	1.1%	0.2%	6.2%	0.17%	0.40%	0.50%	0.62%	1.98%	0.49%	2.99%	0.00%	
Portugal	-	-	-	-	-	37.50%	19.03%	7.27%	28.70%	20.00%	9.48%	7.39%	
Romania	0.3%	0.0%	0.0%	0.2%	0.28%	0.00%	0.00%	0.25%	1.17%	0.71%	1.52%	0.65%	
Slovenia	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Spain	51.4%	65.4%	52.1%	64.8%	57.38%	62.33%	52.95%	63.02%	75.94%	71.55%	58.49%	67.95%	
Sweden	61.4%	60.1%	27.7%	0.0%	0.00%	0.00%	0.00%	0.00%	28.42%	28.30%	26.78%	32.18%	
Total	41.2%	36.8%	31.3%	34.9%	27.7%	19.6%	20.6%	19.0%	24.7%	20.8%	17.6%	18.5%	

Table 11 – Missing Advanced Waste Notification (AWN) by Member State and by reporting period.

Member State	Current reporting period - August 2023						Previous reporting periods Waste Receipt missing [%]
	Shipcalls under PRF	Existing Waste Receipt	No Waste to deliver	Exemption	Waste Receipt missing	Waste Receipt missing [%]	April 2023
Belgium	1,649	974	490	-	185	11.2%	9.8%
Bulgaria	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Croatia	106	8	86	-	12	11.3%	50.6%
Cyprus	261	137	117	-	7	2.7%	0.4%
Denmark	1,655	1,655	-	-	-	0.0%	0.0%
Estonia	684	-	384	-	300	43.9%	41.7%
Finland	770	569	41	-	160	20.8%	21.4%
France	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Germany	1,971	602	524	3	842	42.7%	44.9%
Greece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Iceland	579	-	335	-	244	42.1%	35.8%
Ireland	619	107	358	5	149	24.1%	24.8%
Italy	3,634	987	941	37	1,669	45.9%	50.8%
Latvia	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Lithuania	370	156	109	81	24	6.5%	3.7%
Malta	370	283	51	-	36	9.7%	13.7%
Netherlands	2,958	2,179	546	-	233	7.9%	8.8%
Norway	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Poland	931	453	357	-	121	13.0%	13.2%
Portugal	688	245	365	-	78	11.3%	n.a.
Romania	466	450	16	-	-	0.0%	0.0%
Slovenia	130	35	9	-	86	66.2%	n.a.
Spain	4,362	54	3,727	108	473	10.8%	7.6%
Sweden	1,207	730	123	-	354	29.3%	86.8%
Total	23,410	9,624	8,579	234	4,973	21.2%	24.7%
TOTAL April 2023	21,578	7,998	8,114	137	5,329	24.7%	

Table 12 – Missing Waste Receipts by Member State and by reporting period.

Member State	ISPS Pre-Arrival Security Notification												Evolution
	2018		2019		2020		2021		2022		2023		
	January	August	January	July	January	August	January	August	March	August	March	August	
Belgium	2.3%	2.8%	2.5%	3.4%	3.3%	0.6%	1.3%	1.0%	2.0%	2.1%	2.2%	1.7%	
Bulgaria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Croatia	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	1.8%	0.9%	0.0%	2.0%	0.0%	0.0%	
Cyprus	3.2%	3.4%	1.3%	3.8%	1.3%	0.4%	1.1%	2.3%	3.8%	1.9%	2.6%	1.7%	
Denmark	3.5%	1.9%	1.7%	3.3%	0.4%	0.4%	1.0%	0.9%	0.7%	0.6%	0.3%	0.8%	
Estonia	2.0%	3.2%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Finland	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	
France	30.1%	19.8%	18.9%	20.1%	23.6%	6.4%	6.0%	14.7%	12.6%	15.5%	16.4%	8.3%	
Germany	53.9%	22.2%	15.8%	15.7%	15.4%	13.6%	6.7%	6.8%	6.3%	2.0%	1.1%	1.0%	
Greece	-	-	-	-	75.0%	77.8%	19.3%	39.5%	18.7%	24.0%	29.1%	5.7%	
Iceland	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Ireland	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Italy	8.8%	4.8%	4.2%	3.4%	3.1%	5.5%	2.2%	5.9%	2.7%	7.3%	2.3%	7.8%	
Latvia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Lithuania	3.5%	0.0%	4.0%	0.7%	2.5%	0.0%	1.3%	0.0%	0.0%	0.3%	0.3%	0.3%	
Malta	45.1%	0.1%	0.3%	1.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	
Netherlands	10.7%	14.0%	3.7%	8.1%	9.4%	3.1%	4.0%	7.3%	1.5%	1.6%	1.5%	1.0%	
Norway	9.5%	7.5%	0.7%	0.8%	0.4%	0.4%	2.5%	4.8%	3.3%	8.8%	4.3%	9.9%	
Poland	0.1%	0.5%	0.3%	0.2%	0.5%	0.2%	0.1%	0.2%	1.5%	0.7%	0.0%	0.4%	
Portugal	-	-	-	-	-	-	-	-	100.0%	100.0%	100.0%	41.5%	
Romania	0.3%	0.0%	0.0%	0.2%	0.3%	0.0%	0.0%	0.3%	0.3%	0.3%	0.2%	0.0%	
Slovenia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Spain	3.1%	2.4%	2.6%	3.8%	2.9%	2.9%	2.3%	2.5%	2.2%	4.6%	4.4%	4.5%	
Sweden	20.9%	24.8%	18.6%	24.6%	21.0%	22.6%	45.7%	36.4%	34.8%	39.2%	32.5%	33.1%	
Total	27%	11%	19%	23%	15.5%	19.0%	9.1%	11.3%	8.5%	10.2%	9.1%	6.9%	

Table 13 – Missing Security information by Member State and by reporting period.

Member State	Hazmat Details	MRS Details	Security Details	Bunkers Details
Belgium	Available	Available	Available	-
Bulgaria	Available	-	Available	Available
Croatia	Available	Available	Available	Available
Cyprus	Available	-	Available	Available
Denmark	Available	Available	Available	-
Estonia	Available	Unavailable	Available	Unavailable
Finland	Available	Available	Available	-
France	Available	Available	Available	-
Germany	Available	-	Available	Available
Greece	Unavailable	-	Unavailable	- (1)
Iceland	Available	Unavailable	Available	Available
Ireland	Available	Available (2)	Available	-
Italy	Available	Available	Available	Available
Latvia	Available	-	Available	- (1)
Lithuania	Available	-	Available	Available
Malta	Available	-	Available	Unavailable
Montenegro	-	-	-	-
Netherlands	Available	-	Available	-
Norway	Unavailable	Unavailable	Unavailable	Unavailable
Poland	Available	Available	Available	Available
Portugal	Unavailable	Unavailable	Unavailable	- (1)
Romania	Available	-	Available	Available
Slovenia	Available	Available	Available	Available
Spain	Available	Available	Available	Available
Sweden	Unavailable	-	Available	Available

(1) No data reported

(2) Data reported through the Web User Interface

Table 14 – Availability of the detailed part of the notifications (check on 27 September 2023)

Member State	August 2023													Evolution
	Port Plus Notifications	Port Plus Rejected	August 2018	January 2019	July 2019	January 2020	August 2020	January 2021	August 2021	March 2022	August 2022	March 2023	August 2023	
Belgium	32,914	-	0.00%	0.00%	0.00%	0.03%	0.08%	0.00%	0.01%	0.05%	0.10%	0.00%	0.00%	
Bulgaria	3,495	42	0.10%	0.00%	0.28%	0.24%	0.00%	0.20%	0.05%	0.37%	0.11%	0.32%	1.20%	
Croatia	7,521	-	0.90%	0.00%	0.28%	0.00%	0.00%	0.00%	0.10%	0.00%	2.27%	0.00%	0.00%	
Cyprus	5,372	1	0.16%	0.08%	0.00%	4.84%	0.95%	0.17%	0.00%	0.66%	0.08%	0.02%	0.02%	
Denmark	11,558	207	0.42%	0.60%	0.74%	1.02%	0.57%	0.58%	0.47%	1.52%	0.44%	1.81%	1.79%	
Estonia	5,037	3	0.08%	0.02%	0.04%	1.91%	0.06%	0.08%	0.05%	0.07%	0.02%	0.08%	0.06%	
Finland	16,873	121	0.54%	0.77%	0.73%	0.60%	3.60%	0.41%	0.26%	0.46%	0.11%	0.54%	0.72%	
France	48,060	78	0.12%	0.03%	0.01%	0.05%	0.64%	0.01%	0.01%	0.04%	0.30%	0.03%	0.16%	
Germany	30,202	114	0.63%	0.41%	0.44%	0.39%	0.43%	0.55%	0.46%	2.96%	0.64%	0.36%	0.38%	
Greece	118,479	630	0.51%	0.59%	0.41%	9.52%	0.76%	0.55%	0.16%	0.90%	0.17%	0.17%	0.53%	
Iceland	1,932	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.58%	0.00%	0.00%	0.00%	
Ireland	6,513	41	0.40%	0.68%	0.35%	0.84%	52.72%	0.70%	0.37%	0.84%	0.24%	0.66%	0.63%	
Italy	60,224	14	0.05%	0.02%	0.01%	0.00%	0.06%	0.03%	0.01%	0.26%	0.08%	0.00%	0.02%	
Latvia	3,213	11	0.45%	0.35%	0.33%	0.68%	0.56%	0.29%	0.21%	2.04%	1.15%	0.53%	0.34%	
Lithuania	4,182	6	0.07%	0.00%	0.04%	0.02%	0.00%	0.00%	0.02%	0.16%	0.02%	0.00%	0.14%	
Malta	7,191	53	1.67%	0.94%	0.54%	0.09%	0.40%	17.20%	0.04%	0.13%	0.04%	0.00%	0.74%	
Montenegro	361	4	1.75%	0.90%	5.14%	2.54%	2.38%	0.00%	0.47%	0.61%	0.00%	0.00%	1.11%	
Netherlands	76,691	3,035	0.19%	0.17%	8.91%	0.53%	3.25%	0.81%	0.11%	1.12%	5.50%	0.05%	3.96%	
Norway	72,158	8	0.03%	0.02%	0.00%	0.06%	0.02%	0.00%	0.00%	0.02%	0.07%	0.00%	0.01%	
Poland	15,409	15	0.18%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.03%	0.00%	0.01%	0.10%	
Portugal	6,716	5	0.58%	0.33%	9.67%	1.32%	3.21%	1.08%	0.80%	0.87%	1.36%	1.10%	0.07%	
Romania	4,638	2	5.02%	0.22%	0.41%	0.89%	0.00%	0.07%	0.00%	0.38%	0.05%	0.66%	0.04%	
Slovenia	1,101	23	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.27%	1.07%	2.09%	
Spain	129,866	922	0.47%	0.68%	0.46%	0.93%	0.48%	1.25%	1.06%	1.28%	1.33%	0.89%	0.71%	
Sweden	35,937	4	0.03%	0.04%	0.01%	0.10%	1.70%	0.04%	0.00%	12.57%	0.26%	0.07%	0.01%	
Total	705,643	5,339	0.29%	0.27%	1.42%	0.42%	1.25%	0.66%	0.29%	1.64%	1.03%	0.31%	0.76%	

Table 15 – PortPlus notification rejections and evolution (reporting period: August 2023)

Values not complying with the IFCD are highlighted in red
(rejected notifications should be less than 0.1%, as indicated in Section 4.5 of the IFCD)

Rule	Status message describing the reason for rejection (if more than one reason is quoted, all of them apply for the specific notification)	Rejections	Expected actions
Group 1: the "Time" logic is not respected (relations between ETAs and ETDs, etc.)			
R01	A Port Plus notification must have ETAToNextPort subsequent to the ETDFromPortOfCall. ETAToNextPort greater than ETDFromPortOfCall.	562	To be corrected by MSs
R02	A Port Plus notification must have ETAToNextPort subsequent to the ATDFromPortOfCall: ETAToNextPort greater than ATDPortOfCall	-	To be corrected by MSs
R03	A Port Plus notification must have ETAToPortOfCall prior to the ETDFromPortOfCall: ETAToPortOfCall less than ETDFromPortOfCall.	22	To be corrected by MSs
R04	A Port Plus notification must have ATAToPortOfCall prior to the actual departure time from port of call: ATAPortOfCall less than ATDPortOfCall.	156	To be corrected by MSs
R05	A new Port Plus notification having ATAToPortOfCall 1 year prior to the time received could not be accepted.	3	To be corrected by MSs
R06	An update Port Plus notification having ATAToPortOfCall 1 year prior to the time received which is different from ATAToPortOfCall recorded in the corresponding voyage could not be accepted.	5	To be corrected by MSs and in the Central SSN
Group 2: missing "mandatory" information			
R07	A Port Plus notification must have ETDFromPortOfCall unless PortOfCall = "ZZCAN" or ATDFromPortOfCall is provided.	-	To be corrected by MSs and in the Central SSN
R08	A Port Plus notification must have EtaToPortOfCall unless PortOfCall = "ZZCAN" or ATAToPortOfCall is provided.	4	To be corrected by MSs
R09	A Port Plus notification with hazmat EUDeparture or bunkers towards NextPort must have a NextPort.	42	To be corrected by MSs
R10	A Port Plus notification with known next port that also contains hazmat EUDeparture, bunkers towards NextPort or crewpax departure must have ETAToNextPort.	40	To be corrected by MSs
R11	A Port Plus notification having PortOfCall = 'ZZCAN' can only be accepted if no ATAToPortOfCall/ ATDFromPortOfCall has been provided up to now.	25	To be corrected by MSs
R12	A Port Plus notification including the PreArrival3DaysNotificationDetails element must have at least one of its attributes.	-	To be corrected by MSs
R13	A Port Plus notification including the HazmatNotificationInfoNonEUDepartures must have quoted the POBVoyageTowardsPortOfCall.	25	To be corrected by MSs
R14	ATAToPortOfCall should be provided when ATDFromPortOfCall is reported.	1	To be corrected by MSs
R15	A Port Plus notification including the HazmatNotificationInfoEUDepartures element must have quoted the POBVoyageTowardsNextPort.	-	To be corrected by MSs
R16	Arrival Notification Details once provided should be repeated in all update messages.	77	To be corrected by MSs
R17	Departure Notification Details once provided should be repeated in all update messages.	286	To be corrected by MSs
R18	ArrivalNotificationDetails is mandatory if ATDFromPortOfCall is provided unless CrewAndPaxNotificationOnDeparture is provided (and some other groups are not included).	95	To be corrected by MSs
R19	ETDFromLastPort is mandatory if WasteNotification or CrewAndPaxNotificationOnArrival with CrewAndPaxYorN = Y is provided.	-	To be corrected by MSs
R20	ETDFromPortOfCall is mandatory unless CrewAndPaxNotificationOnArrival is provided (and some other groups are not included).	1	To be corrected by MSs
R21	A Port Plus notification with waste notification, hazmat EUDeparture, bunkers towards NextPort or crewpax departure must have a NextPort	62	To be corrected by MSs
R22	LastPort is mandatory if WasteNotification or CrewAndPaxNotificationOnArrival with CrewAndPaxYorN = Y is provided	5	To be corrected by MSs
R23	WasteDetails should always contain at least one WasteItem.	8	To be corrected by MSs

Table 16 – Number of rejections by cause and expected actions from Member States (reporting period: August 2023)

Rule	Status message describing the reason for rejection (if more than one reason is quoted, all of them apply for the specific notification)	Rejections	Expected actions
Group 3: invalid values or references (IMO, MMSIs, LOCODES, ShipCallIds, etc.)			
R24	The message identified by MSRefId [] has already been registered in SSN (Sent by [])	3,476	To be corrected by MSs and in the Central SSN
R25	[]): A port plus notification with the specified shipCallId [] has already been registered in SSN by []	52	To be corrected by MSs and in the Central SSN
R26	LastPort Locode [] is not technically correct. PortOfCall Locode [] is not technically correct. NextPort Locode [] is not technically correct. Contact Location Locode [] is not technically correct. Port Delivery Remaining Waste Locode [] is not technically correct.	263	To be corrected by MSs
R27	PortOfCall Locode [] is not permitted. Verify your access rights as Portplus Notifier.	-	To be corrected by MSs
R28	The IMO number [] is not valid	71	To be corrected by MSs
R29	The Port Plus notification having PortOfCall = 'ZZCAN' and shipCallId [] is invalid because no voyage was found with the specified shipCallId.	2	To be corrected by MSs
R30	PobVoyageTowardsPortOfCall has an invalid value	-	To be corrected by MSs
R31	A Port Plus notification having PortOfCall equal to 'ZZCAN' must have UpdateStatus='U'.	7	To be corrected by MSs
R32	The UpdateNotifications information is not compatible with the updateStatus [U].	1	To be corrected by MSs
R33	Incorrect MMSI number - MID [] does not identify any Flag according to the ITU list of MIDs.	11	To be corrected by MSs
R34	Invalid message. A port plus notification with the specified shipCallId [] has already been registered with different Vessel [] - [].	1	To be corrected by MSs
R35	At least one contact detail must be provided (Phone, Fax or Email)	2	To be corrected by MSs
R36	The notification must have quoted at least one of IMO or MMSI numbers	-	To be corrected by MSs
R37	The phone number must contain digits only. The fax number must contain digits only	8	To be corrected by MSs
R38	The email [] is invalid	-	To be corrected by MSs
R39	Test vessel only allows IMO 9999999 and MMSI 999999999	-	To be corrected by MSs
R40	The first name is invalid	-	To be corrected by MSs
R41	The notification must have quoted at least one of CompanyName or IMOCompanyNr	-	To be corrected by MSs
R42	A phone number must be defined	6	To be corrected by MSs
R43	No waste code corresponds to the specified code(s): ...	20	To be corrected by MSs
R44	No ShipType UN corresponds to the specified code: ...	-	To be corrected by MSs

Table 16 – Number of rejections by cause and expected actions from Member States (reporting period: August 2023) (cont.)

Annex IV: SSN – THETIS interface

Member State	Current reporting period - August 2023							Previous reporting periods ATA & ATD missing [%]								
	Shipcalls under PSC	Existing ATA & ATD	Existing ATA (missing ATD)	Missing ATA& ATD	ATA & ATD provided [%]	Only ATD missing [%]	ATA & ATD missing [%]	March 2023	August 2022	March 2022	August 2021	January 2021	August 2020	January 2020	July 2019	January 2019
Belgium	1,897	1,890	7	-	99.6%	0.4%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Bulgaria	263	262	-	1	99.6%	0.0%	0.4%	0.0%	0.0%	1.0%	0.4%	0.0%	0.0%	0.0%	0.3%	0.0%
Croatia	423	316	101	6	74.7%	23.9%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%
Cyprus	211	211	-	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%
Denmark	2,046	1,991	35	20	97.3%	1.7%	1.0%	0.5%	0.3%	0.5%	0.4%	0.1%	0.5%	0.3%	0.4%	0.2%
Estonia	544	544	-	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.5%
Finland	1,179	1,164	14	1	98.7%	1.2%	0.1%	0.4%	5.7%	6.6%	0.1%	0.8%	1.2%	2.0%	2.7%	3.8%
France	3,072	3,052	6	14	99.3%	0.2%	0.5%	0.2%	0.1%	0.5%	0.3%	0.1%	0.3%	0.0%	0.4%	0.0%
Germany	3,431	3,342	39	50	97.4%	1.1%	1.5%	2.6%	3.3%	6.4%	2.4%	2.0%	2.8%	0.7%	2.7%	2.6%
Greece	6,782	6,729	24	29	99.2%	0.4%	0.4%	0.0%	4.1%	0.8%	0.2%	0.1%	0.2%	2.3%	1.6%	2.0%
Iceland	611	577	2	32	94.4%	0.3%	5.2%	4.3%	8.4%	0.5%	3.9%	2.8%	2.5%	8.1%	3.8%	3.0%
Ireland	1,190	1,185	5	-	99.6%	0.4%	0.0%	0.9%	0.1%	0.5%	0.3%	1.9%	6.1%	0.6%	0.4%	0.0%
Italy	3,279	3,182	36	61	97.0%	1.1%	1.9%	0.2%	0.5%	0.9%	0.7%	0.0%	1.7%	0.5%	0.7%	0.2%
Latvia	436	435	1	-	99.8%	0.2%	0.0%	0.0%	0.0%	1.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.2%
Lithuania	325	325	-	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.6%	0.0%
Malta	289	289	-	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%
Montenegro	116	116	-	-	100.0%	0.0%	0.0%	0.0%	0.0%	1.9%	1.4%	0.0%	0.0%	2.6%	4.5%	0.0%
Netherlands	3,128	3,092	23	13	98.8%	0.7%	0.4%	0.5%	0.4%	1.4%	0.3%	0.3%	0.1%	0.8%	0.8%	0.6%
Norway	3,344	2,907	136	301	86.9%	4.1%	9.0%	8.8%	8.1%	4.9%	3.1%	2.4%	3.4%	4.9%	5.0%	8.3%
Poland	1,306	1,306	-	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Portugal	605	503	6	96	83.1%	1.0%	15.9%	13.7%	10.4%	12.6%	6.0%	2.4%	9.2%	6.6%	53.6%	2.1%
Romania	464	461	2	1	99.4%	0.4%	0.2%	0.2%	1.4%	0.3%	0.8%	0.0%	0.0%	0.0%	0.9%	0.0%
Slovenia	156	153	2	1	98.1%	1.3%	0.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Spain	14,776	14,180	299	297	96.0%	2.0%	2.0%	2.8%	2.5%	1.4%	3.2%	1.0%	1.7%	0.9%	1.8%	18.9%
Sweden	2,634	2,600	13	21	98.7%	0.5%	0.8%	0.2%	0.5%	0.6%	0.3%	0.2%	2.1%	2.6%	0.7%	1.1%
Total	52,507	50,812	751	944	96.8%	1.4%	1.8%	2.0%	2.4%	2.1%	1.5%	0.8%	1.5%	1.3%	3.1%	6.0%
TOTAL March2023	41,499	40,263	422	814	97.0%	1.0%	2.0%									
TOTAL August2022	51,161	49,456	458	1,247	96.7%	0.9%	2.4%									
TOTAL March2022	37,709	36,289	640	780	96.2%	1.7%	2.1%									
TOTAL August2021	43,704	42,613	444	647	97.5%	1.0%	1.5%									
TOTAL January2021	35,712	35,049	377	286	98.1%	1.1%	0.8%									
TOTAL August2020	45,169	43,503	967	699	96.3%	2.1%	1.5%									
TOTAL January2020	48,429	47,349	427	653	97.8%	0.9%	1.3%									
TOTAL July2019	60,579	57,773	907	1,899	95.4%	1.5%	3.1%									
TOTAL January2019	49,443	45,843	613	2,987	92.7%	1.2%	6.0%									

Table 17 – Availability of ATA and ATD information in SSN for vessels falling within the scope of Directives 2009/16/EC and 1999/35/EC³ (reporting period: August 2023)

³ ATA is a key element of THETIS and ship calls missing this attribute are discarded (i.e. updates of new calls including ATD without ATA).

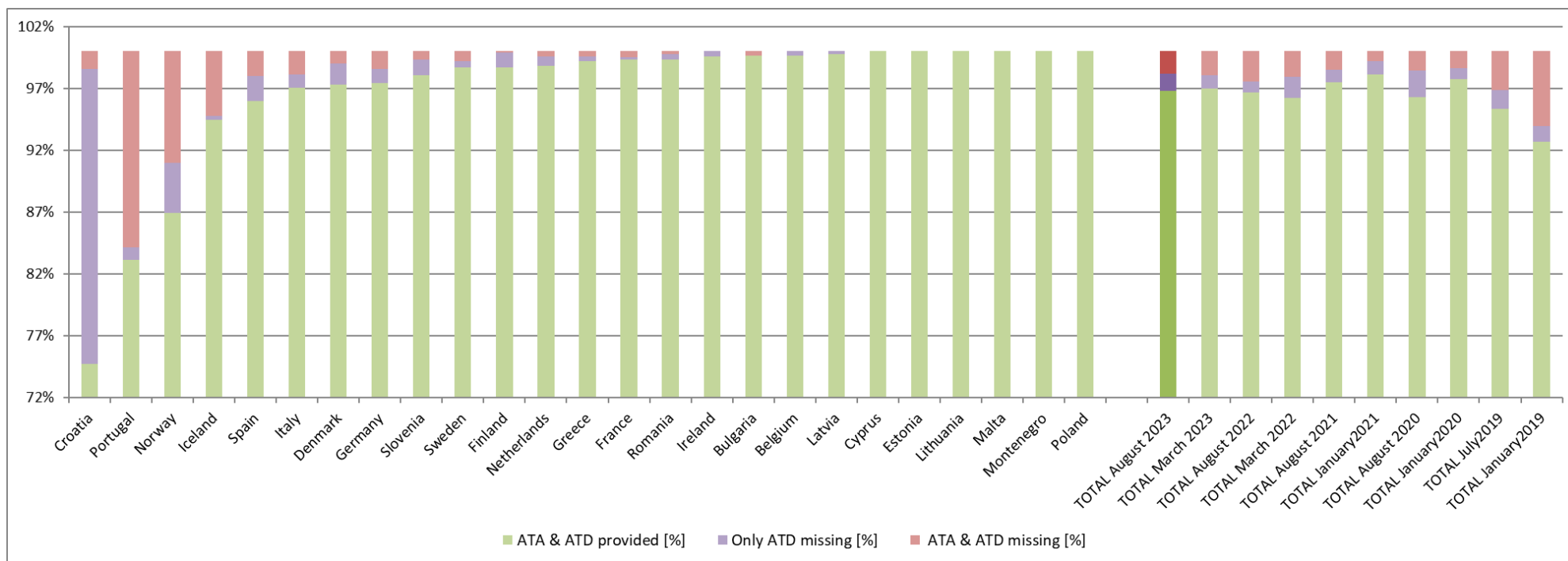


Figure 5 – Availability of ATA and ATD information in SSN for vessels falling within the scope of Directives 2009/16/EC and 1999/35/EC
(corresponding to Table 17) (reporting period: August 2023)

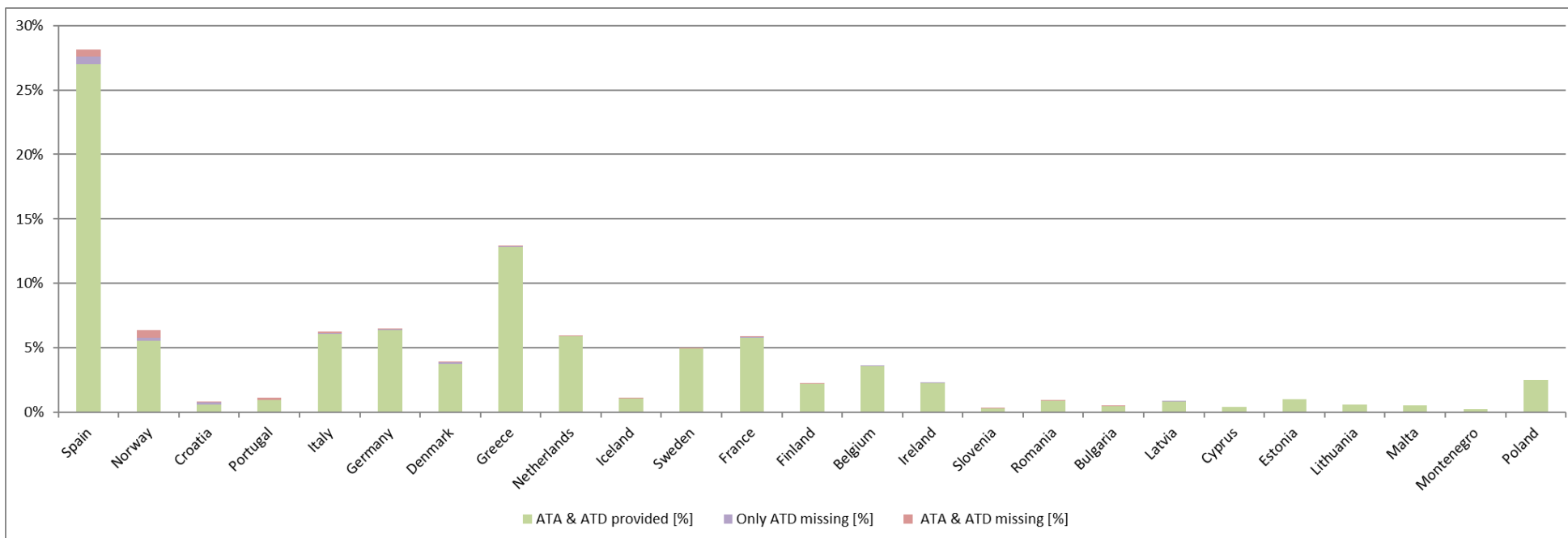


Figure 6 – Availability of ATA and ATD information in SSN for vessels falling within the scope of Directives 2009/16/EC and 1999/35/EC

(corresponding to Table 17) – figures represent the percentage of overall EU ship calls (reporting period: August 2023)

Member State	ACTUAL TIME OF ARRIVAL PROVIDED			
	More than 3h in advance	Within 3 hours period	Between 3 and 72 hours after	More than 72 hours after
Belgium	0.0%	99.8%	0.2%	0.0%
Bulgaria	0.0%	99.7%	0.3%	0.0%
Croatia	0.0%	24.2%	70.8%	5.1%
Cyprus	2.2%	90.1%	7.3%	0.4%
Denmark	0.0%	72.0%	26.7%	1.3%
Estonia	0.0%	94.3%	5.8%	0.0%
Finland	0.0%	87.3%	12.3%	0.5%
France	0.0%	94.6%	5.1%	0.3%
Germany	0.0%	77.0%	13.9%	9.1%
Greece	0.0%	82.9%	15.3%	1.7%
Iceland	0.0%	98.7%	1.3%	0.0%
Ireland	0.4%	91.4%	6.0%	2.2%
Italy	0.0%	83.4%	12.6%	4.0%
Latvia	0.0%	98.9%	1.1%	0.0%
Lithuania	0.0%	98.9%	0.5%	0.5%
Malta	0.0%	98.3%	1.7%	0.0%
Montenegro	0.0%	82.6%	17.4%	0.0%
Netherlands	0.0%	98.2%	1.7%	0.1%
Norway	0.0%	90.5%	9.1%	0.3%
Poland	0.0%	98.5%	1.3%	0.2%
Portugal	0.0%	81.2%	6.0%	12.8%
Romania	0.0%	99.8%	0.2%	0.0%
Slovenia	0.0%	96.6%	3.4%	0.0%
Spain	0.0%	91.9%	7.0%	1.1%
Sweden	0.0%	93.5%	5.4%	1.1%
Total	0.01%	85.3%	12.8%	2.0%

ACTUAL TIME OF DEPARTURE PROVIDED			
More than 3h in advance	Within 3 hours period	Between 3 and 72 hours after	More than 72 hours after
0.0%	99.1%	0.8%	0.0%
0.0%	99.7%	0.3%	0.0%
0.0%	74.9%	21.7%	3.4%
1.1%	88.7%	9.1%	1.1%
0.0%	72.2%	26.6%	1.2%
0.0%	94.6%	5.0%	0.4%
0.0%	88.0%	11.7%	0.2%
0.0%	90.6%	8.9%	0.5%
0.0%	78.8%	12.2%	9.1%
0.0%	88.6%	9.7%	1.8%
0.0%	99.5%	0.5%	0.0%
0.6%	91.3%	5.8%	2.3%
0.1%	78.6%	14.4%	6.8%
0.0%	98.0%	2.0%	0.0%
0.0%	98.9%	0.8%	0.3%
0.0%	98.5%	1.3%	0.1%
0.9%	64.3%	34.8%	0.0%
0.0%	98.3%	1.5%	0.2%
0.0%	91.5%	7.9%	0.6%
0.0%	98.6%	1.2%	0.3%
0.0%	84.3%	4.4%	11.3%
0.0%	100.0%	0.0%	0.0%
0.0%	98.0%	2.0%	0.0%
0.0%	90.7%	7.5%	1.8%
0.0%	93.8%	4.7%	1.4%
0.02%	88.4%	9.3%	2.3%

Table 18 –Timeliness of ATA and ATD reporting (reporting period: August 2023)