



SSN v5 new features

EU vessel traffic monitoring and information

Training on SafeSeaNet version 5

Department 3: Digital Services & Simplification

Unit 3.3: Simplification

Video conference / 9 November 2021



Scope

- Changes in the legal requirements of the amended Directive 98/41/EC on **registration of persons on board passenger ships**
- Changes in the legal requirements following the new Directive EU 2019/883 on **port reception facilities for the delivery of waste from ships** (repealing Directive 2000/59/EC)
- Proposals from the Working Group for improving **Incident Reporting**, and link with CECIS system
- Additional security measures and changes to the data protection rules to support the exchange of detailed information on the persons on board passenger ships will need to be put in place in order to secure the data exchanges at central level and with national levels. The results of the “**Security and Interoperability Solutions Study**” will be used to define the security measures to be applied in SSN version 5
- Phase out of Ship AIS Notifications (i.e. usage of the streaming interface only).



Methodology

- The business requirements for SSN version 5 were drafted with the support of Member State experts who participated in dedicated working groups under the HLSG mandate
- The revised NSW Data Mapping Report which identifies the data that will be exchanged via SSN also served as business requirements
- Need to translate the business requirements into technical specifications for the national and central SSN systems in collaboration with MS experts
- HLSG 7 (July 2020) agreed to establish a working group for the definition of the technical specifications for the SSN v5 interface with the objective to draft the detailed technical documentation under the coordination of EMSA

SSN v5 Interface Working Group



- The following Member States (MS) participated in the working group: Belgium, Estonia, France, Germany, Italy, Lithuania, Malta, the Netherlands, Norway, Poland, Portugal, Spain and Sweden
- Work by correspondence and two meetings (videoconference) on 22 September and 10 November to review in detail the comments received
- The following detailed technical documentation has been prepared:
 - SSN XML Messaging Reference Guide
 - SSN Web services document
 - SSN Security Guidelines
 - Member State Commissioning Test Plan

SSN V5 approval and implementation



- The technical specification was validated at the 8th SSN/LRIT Group meeting (October 2020) and approved at the 8th HLSG (December 2020)
- The deployment plan for SSN V5 foresees a progressive implementation by the MS national SSN systems from December 2021 to December 2023
- During this period, the central SSN system must support the exchange of information in line with the two versions of the XML Ref. Guide (v4 and v5)
- **During the transition period there will be some limitations due to technical constraints**



PortPlus notification

- Revised advance waste notification
- Additional element group for the waste delivery receipts with multiple entries to allow the reporting of multiple receipts associated to the same ship call
- Additional element groups to indicate whether information on persons sailing on board passenger ships is available on request (Y/N only) and the number of crew and passengers on board the ship (on arrival and on departure)
- Personal details removed from contact details for Hazmat cargo manifest.



Requests for ship call details

- Additional element group for the information on persons sailing on board passenger ships. This information will be provided by the national SSN systems on request
- Additional request type available to National SSN systems (SSN2MS_ShipCall_Req) for requesting information on persons sailing on board passenger ships
- Revision of waste information to reflect the changes included in the PortPlus notification, both advance waste notification and waste delivery receipts included under the same data group
- Additional security check on EMSA's user interface for requesting information on persons sailing on board passenger ships (**Two-factor authentication**)



Incident Report notifications

- New waste incident information data group
- New Place of Refuge information data group included in the SITREP incident information
- Changes in the POLREP incident information: new attributes added related with the reporting of oiled wildlife and POLFAC data group deleted
- VTS Rules Infringement incident information renamed to Vessel Traffic Rules Infringement incident
- Increase in the length of some attributes type Text and additional options to ENUM type attributes
- Unit measurement added as separate attribute

High-level requirements

Exemption notification

- New exemption types added: “Exemption for Crew and Pax information” and “Derogation Crew and Pax”
- The exemption notification and response structure remain unchanged

Exemptions for ports

- Exemptions granted for small non-commercial ports in accordance with article 5(5) and small ports with unmanned facilities or that are remotely located in accordance with article 7(2) of the PRF Directive

Information on port reception facilities

- Central Locations Database (CLD) will include a new section to report the information on port reception facilities as it is currently reported in IMO GISIS PRF module
- All PRFs details stored in the CLD will be made available to THETIS-EU

SSN Web services document

- Upgrade to SOAP version 1.2

Additional Security measures

- Hashing of personal data in logs
- Encryption of personal data in database
- User identity check when requesting persons on board data

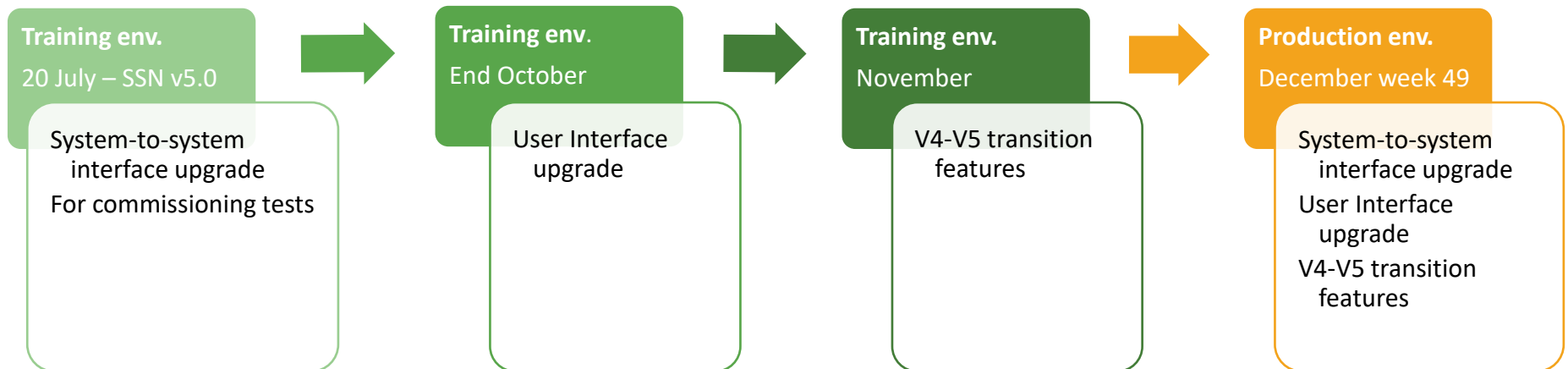
Transition period

- SSN v5 will offer a support SSN v4 messages during a transition period

Roadmap for SSN version 5

Date	Task	Responsible	Status
July 2020	Approve business rules and terms of reference for the SSN v5 Interface Working Group	HLSG 7	Completed
July – Oct 2020	Draft update of SSN documentation	SSN v5 WG	Completed
October 2020	Validate updated SSN documentation	SSN/LRIT Group	Completed
15 Dec 2020	Approve updated SSN documentation	HLSG 8	Completed
Jan – Jun 2021	Develop central SSN	EMSA	Completed
July 2021	Make SSN v5 available in training environment	EMSA	Completed
July – Dec 2023	Run commissioning tests for national SSN systems with Member States	MS and EMSA	On-going
Dec 2021	Make SSN v5 available in production environment	EMSA	Scheduled

SafeSeaNet v5 developments





Second quarter 2022

- Management of exemptions for ports as required by PRF Directive
- Additional security measures compliant with the latest SSN Security Guidelines
 - Hashing of personal data in logs
 - Encryption of personal data in database
 - User identity check when requesting persons on board data
- Interface with the Central Ship Database version 2



Duration of the transition period

- a) Information from the revised advance waste notification and the waste delivery receipt (Directive (EU) 2019/883): transposition to national law by 28 June 2021 (Art.24). Central SSN system available as from December 2021. **Proposed end of transition period: May 2022;**
- b) Information on persons sailing on board passenger ships (Directive 98/41/EC as amended): transitional period of 6 years from 20 December 2017 (Art. 4.2 and Art. 5.3). Central SSN system available from December 2021. **Proposed end of transition period: December 2023;**
- c) Improvement of Incident Reporting (proposals from the IR Working Group): improvements not required by any legal act. Central SSN system available from December 2021. **Proposed end of transition period: December 2022.**



Thank you

 twitter.com/emsa_lisbon
 facebook.com/emsa.lisbon

 **EMSA**
European Maritime Safety Agency