



8th SSN LRIT Group Meeting

SSN version 5 Interface WG

Agenda item 8.4.2

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Unit 3.3 - Simplification

Videoconference / 21 October 2020





SSN v5 Interface Working Group

- 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 XML Messaging Reference Guide
 - SSN Web services document
 - SSN Security Guidelines
 - Member State Commissioning Test Plan
- The following Member States (MS) indicated their intention to participate in the working group: Belgium, Estonia, Germany, Italy, Lithuania, Malta, the Netherlands, Norway, Poland, Portugal, Spain and Sweden (+ **France**)
- Work by correspondence and one meeting (videoconference) on 22 September to review in detail the comments received



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



Additional changes pending technical implementation

- ❑ Phase out of Ship AIS Notifications (i.e. usage of the streaming interface only).

The streaming interface is used by all MSs to provide AIS information to the central SSN system

- ❑ Phase out of the “proprietary” XML interface (i.e. usage of SOAP protocol only).

In addition, the SOAP version will be upgraded to v1.2

- **System Requirements Specifications document includes all changes and high-level requirements of SSN v5**



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)
- The data coverage of the PortPlus notification is as indicated in NSW Data Mapping Report (Ref.4), column “To be provided in PortPlus message”
- 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



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
- New attribute WarningBroadcasted added to Lost Found Object incident information;
- 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



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

SSN Web services document

- Upgrade to SOAP version 1.2
- Clarifications added to reflect feedback received

Transition period

- SSN v5 will offer a support SSN v4 messages during a transition period (to be presented at the next SSN Group meeting)

Security Guidelines



Reflects outcome of SSN Security and Interoperability study with aim to upgrade SSN security and protection of personal data

- Reference to security standards (ISO 27001) and guidelines
 - Reference to EU DPR and GDPR
 - Two-factor authentication to be used optionally
 - Identification of personal data handled by SSN
 - Personal data to be encrypted when stored and aggregated or hashed in logs
 - Proactive monitoring should be applied
 - Additional technical security requirement included
 - References to XML interface removed
 - Password policy updated
 - Content updated and wording improved
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- References to sTesta to be removed?
 - Should EMSA provide guidelines or best practices related to security training or audits? (section 2.1.1)

MS Commissioning Test Plan



- Additional tests cases added to test the new information exchanged (persons sailing on board passenger ships, updated waste notification and waste receipt)
- ShipCall request / response test cases simplified based on the experience from the previous commissioning tests
- Test cases on the Incident report messages updated in line with the changes proposed
- Incident report messages test cases simplified based on the experience from the previous commissioning tests
- Example messages and details on the steps still to be updated on the final draft (to be included only after approval of the XML Reference Guide)

Next steps

- Technical documentation to be finalised at the next meeting of the working group (planned for mid-November 2020) to address the additional comments received from the SSN Group and close the open issues that were identified
- The final draft versions will be submitted to the SSN Group by email for validation
- SSN technical documentation to be submitted to the HLSG in December 2020

Actions required:

Member States are invited to:

- provide their comments to the SSN technical documentation provided in annex by **30 October 2020**
- note that the final drafts will be submitted by email to the SSN Group in **November 2020 for validation**, before being submitted to the HLSG



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