



1st SSN LRIT Group Meeting

Title: Additional proposals for SSN v4.0

Agenda item 1.4.5

German Sarasua / MSS Coordinator
Department C: Operations/Unit C.2.2

Lisbon / 17 May 2017



This document proposes five changes to be implemented in SSN v4. These are:

- I. Phase out version 2 messages
- II. Phase out the old “Alert notifications”
- III. Phase out Ship AIS Notifications - XML message-based mechanism
- IV. Phase out the “proprietary” XML interface
- V. A minor correction on the SOAP interface

SSN v4 is planned for April 2018

(I) Phase out version 2 messages



It is proposed that the v2 messages should be decommissioned, along with the corresponding endpoint.

Once SSN v4 goes live, it is planned that there will only be backward compatibility to v3.

Impact: Portugal and Greece need to phase out v2 messages before SSN v4 is deployed in production.

(II) Phase out the old Alert notifications

Incident report notifications and alert notifications coexist since 2012. It is proposed to phase out the old alert notifications.

Impact: The affected MSs are:

- Cyprus, Romania, Slovenia (all three are currently using both Alerts and the web interface for sending notifications on incidents);
- Lithuania (currently using both Alerts and Incident reports); and
- Iceland (currently only using Alerts).

(III) Phase out of Ship AIS Notifications



At the 25th meeting of the SSN Group -May 2016- EMSA invited all MSs to stop using the XML message-based mechanism for the provision of AIS information, and to only use the streaming interface for that purpose.

It is therefore proposed that Ship AIS Notifications are phased out.

Impact: The MSs that are still sending AIS notifications are Germany and Ireland.

(IV) Phase out of the “proprietary” XML interface



Why:

- The processing of incoming and outgoing messages is made more complex due to the requirement for specific processing rules for both interfaces.
- Transformation mechanisms are required in order to ensure that each national system sends or receives messages in the correct protocol, and this has a negative impact on system performance.
- A more cumbersome and complex configuration of SSN accounts is required.
- The “proprietary” XML interface does not follow industry best practices and is considered outdated.
- The obsolescence of the “proprietary” XML interface could lead to the loss of certain related functionalities if the interface is not updated accordingly.

(IV) Phase out of the “proprietary” XML interface



All MSs need to use the SOAP interface before SSN v4 is deployed in production.

Impact:

- For PortPlus notifications: Belgium, Bulgaria, Cyprus, Denmark, Estonia, Finland, France, Iceland, Ireland, Italy, Lithuania, Malta, Poland, Romania and the United Kingdom (and Gibraltar).
- For MRS notifications: Belgium, Denmark, Estonia, Finland, France, Iceland, Italy and Poland.

(V) Minor correction on the SOAP interface to align with industry standards



The SSN2MS_ShipCall_Res message does not follow the international standards.

The requirement for the property “MustUnderstand” to include SOAP actor information (wsa:To) was not enforced.

It is proposed that this deviation is addressed in SSN v4.

Impact: Following the analysis done by EMSA, no impact is foreseen on the national SSN systems. However this should be confirmed by the technical managers of the national systems.



Member States are invited to review and consider the above five proposals.

The feedback from the SSN group will be submitted to the HLSG for final approval.

If approved, the MSS will be available to provide the necessary technical support and guidance to the MSs concerned during the implementation of the changes.

Thank you



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