



S-124 progress

Product Specification

for Navigational Warnings (NW)

IRCC/World-Wide Navigational Warning Service Sub-Committee (WWNWS-SC)

HSSC 6

The S-124 Correspondence Group

- A subsidiary of WWNWS-SC created in October 2013 (WWNWS 5)
- Objective :

To develop a S-100 PS for NWs to improve dissemination and integration within bridge systems and shore systems via a digital format.

The S-124 is expected to contribute to the technical infrastructure of the e-navigation as designed by IMO and to the modernization of the Global Maritime Distress and Safety Systems (GMDSS).



Relationship with HSSC (S-124 CG TOR)

- The S-124 CG should liaise with the future S-100 WG of the HSSC
- The final draft of the product specification should be submitted by WWNWS-SC to HSSC for endorsement
- The WWNWS-SC will provide information updates to HSSC



Membership

- Member States (9)
 - Australia, France (leader*), Greece, Japan, New-Zealand, Norway, Sweden, United-Kingdom, United States
- Expert Contributor Organisations (2)
 - CIRM
 - Danish Maritime Authority (DMA)
 - Korea Research Institute of Ships and Ocean Engineering (KRISO)

(*): Yves Le Franc



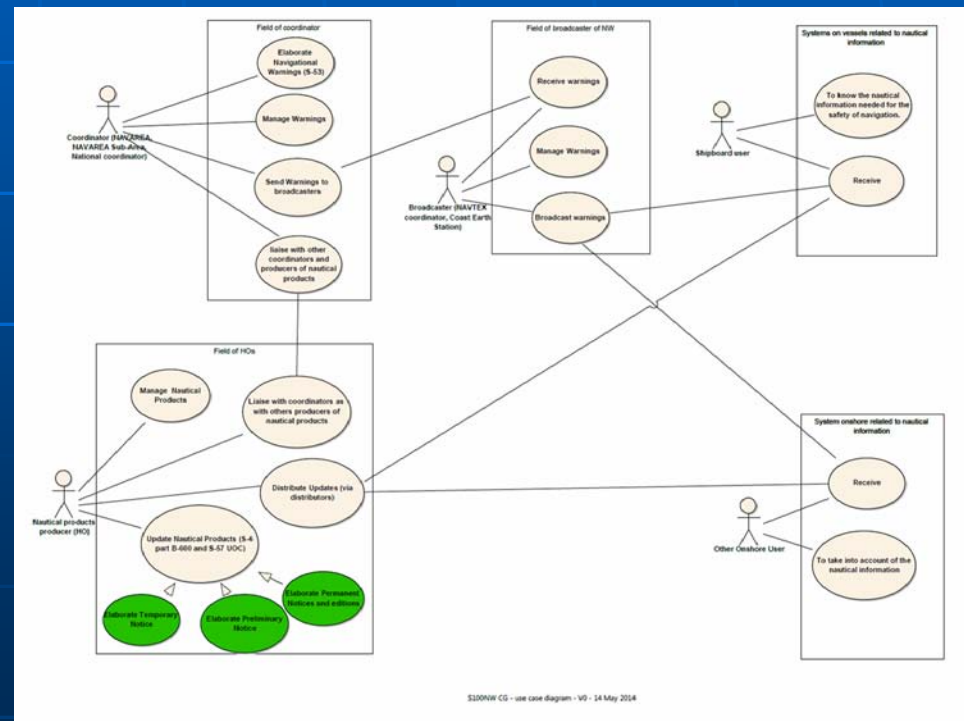
Development of S-124 and IMO e-navigation background

- Participates decisively in the response to several strong e-navigation's needs and gaps
- In accordance with the prioritized solutions S4 and S9
- Contributes to the Risk Control Options (RCO) 6 and 1
- In the scope of tasks T13, T14 and T17 of the **Strategy Implementation Plan (SIP)** submitted to the approval of IMO MSC (November 2014)



Activities during the reporting period

- Definition of the method to follow in the S-100 modeling of NW
- The method adopted is based on use case diagram and associated scenario



Way ahead

- Consider the background of the modernization of the GMDSS (on going)
- Identify basic functions that should or could apply to digital NW (onshore and aboard) in accordance with new ways of operations



Way ahead

- Review and improve the initial model provided by DMA (using UML and other S-100 concepts)
 - to ensure that the content of the current NW is supported (dual production for the transition period)
 - to meet functions' requirements
- These functions could be the basis for new draft performances standards issued by IMO in relation with other relevant organizations



Way ahead

- Define the portrayal of the NW in relation other relevant organizations
- When the draft S-124 will be mature enough, proceed to a **test-bed** to refine it and to prove its technical value before approval and implementation
- Submit S-124 PS for endorsement (2017)



Harmonization of NW and Preliminary and Temporary Notices to Mariners

- the temporary or preliminary aspect of the information is not well reflected when using ER
- NWs and T&P NMs often contain similar information
(EVENT + POSITION)
- NWs and T&P NMs should be displayed on the ECDIS
- They could be reviewed together as a new global and harmonized information system within MSPs
(harmonization of nautical information services)



Actions Required of HSSC

- The HSSC is invited to:
 - note this information
 - include a new item in the S-100 WG program to support S-124 development

