



S-124 progress

Report of the S-124 Correspondence Group

By France – Yves Le Franc (leader)

The S-124 CG

- A subsidiary group of the IHO/IRCC/World-Wide Navigational Warning Service Sub-Committee (WWNWS-SC).
- Develop an S-100 PS for Navigational Warnings (NW) to improve dissemination and integration within bridge systems and shore systems via a digital format (e-navigation and modernization of the Global Maritime Distress and Safety Systems (GMDSS)).



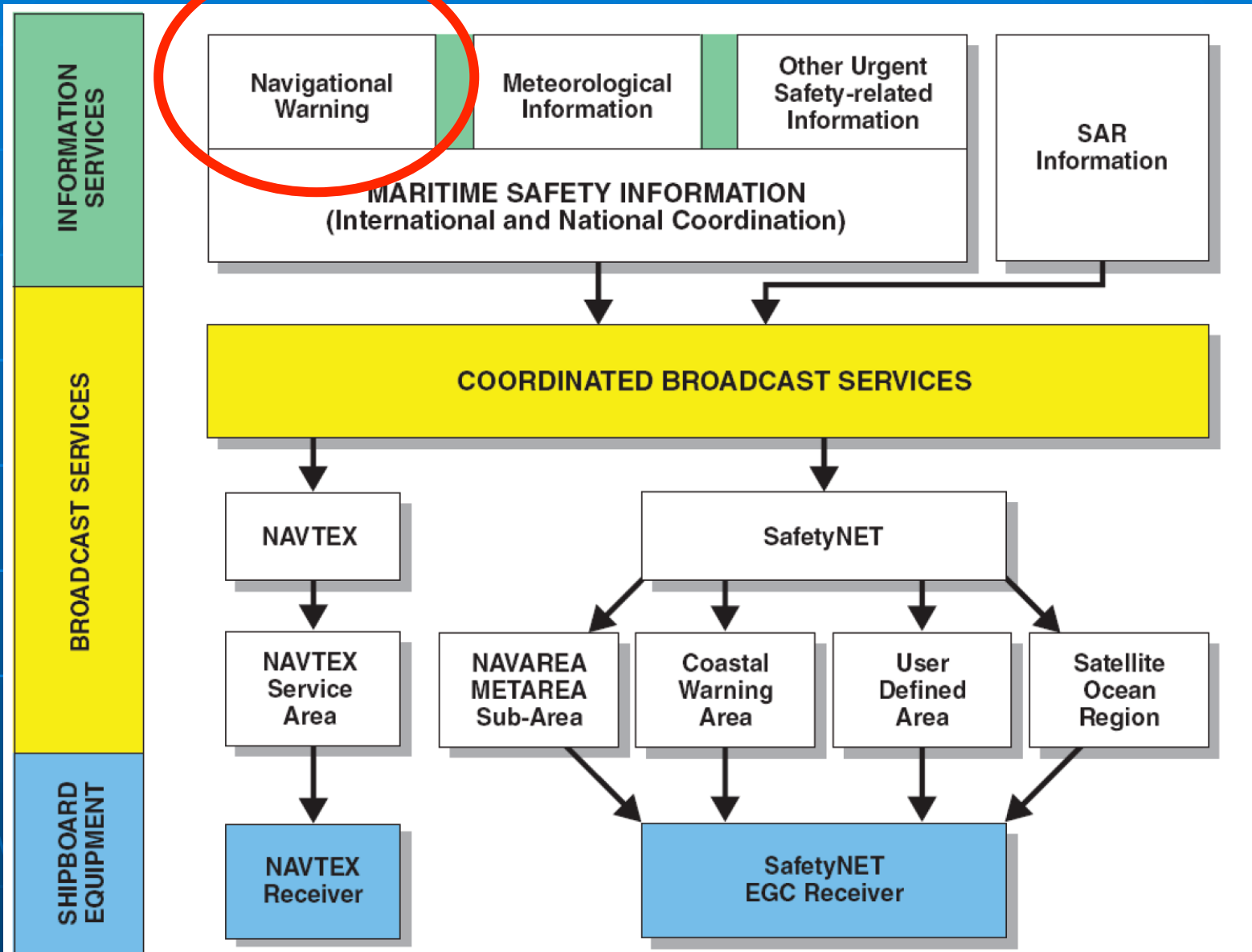


Figure 1 - The maritime safety information service of the Global Maritime Distress and Safety System

Membership (13)

- Australia, Denmark (Danish Maritime Authority), France, Greece, Japan, New-Zealand, Norway, Sweden, Turkey, United-Kingdom, United States, CIRM and KRISO.



Activities since November 2014

- The CG carried out its works according to the program announced.
- The background of the modernization of the GMDSS has been considered in addition to the e-navigation background.

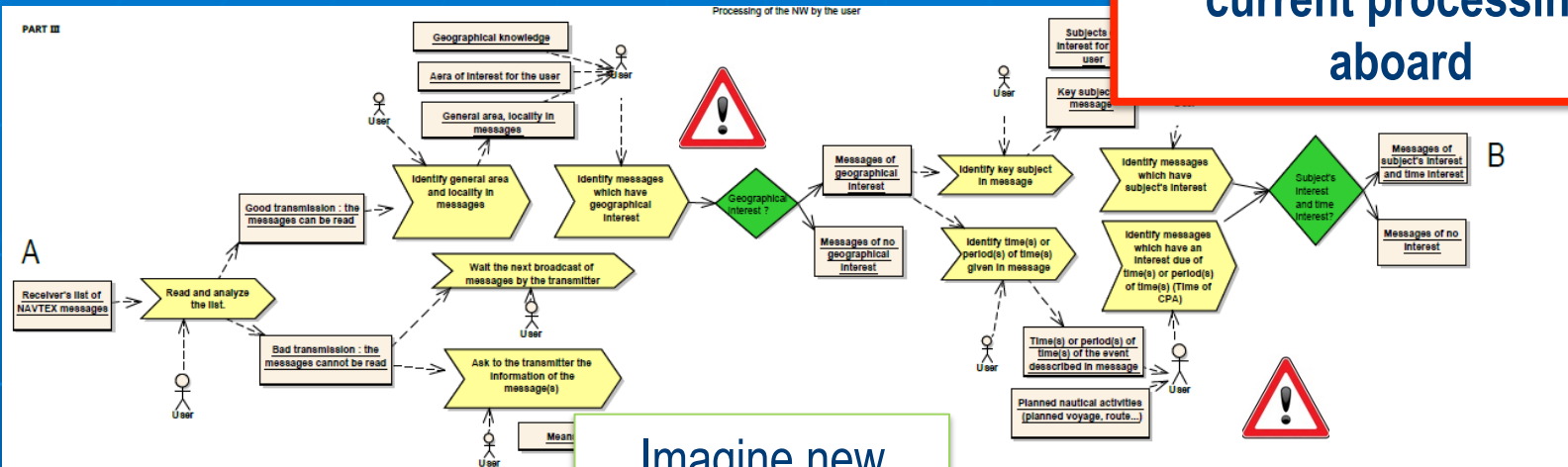
users' needs
gap analysis
risk control options
prioritized solutions and the tasks of the SIP

quality survey conducted by the WWNWS-SC (2013-2014)

Insure that the design of the S-124 is in-line with IMO background expectations.

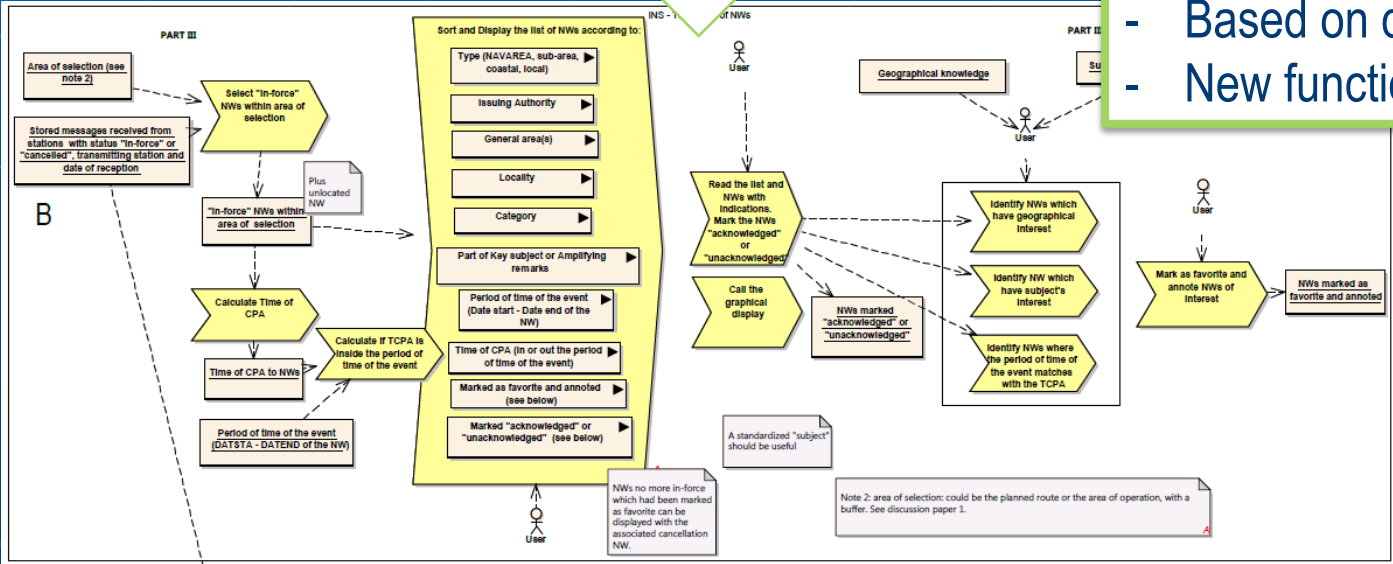


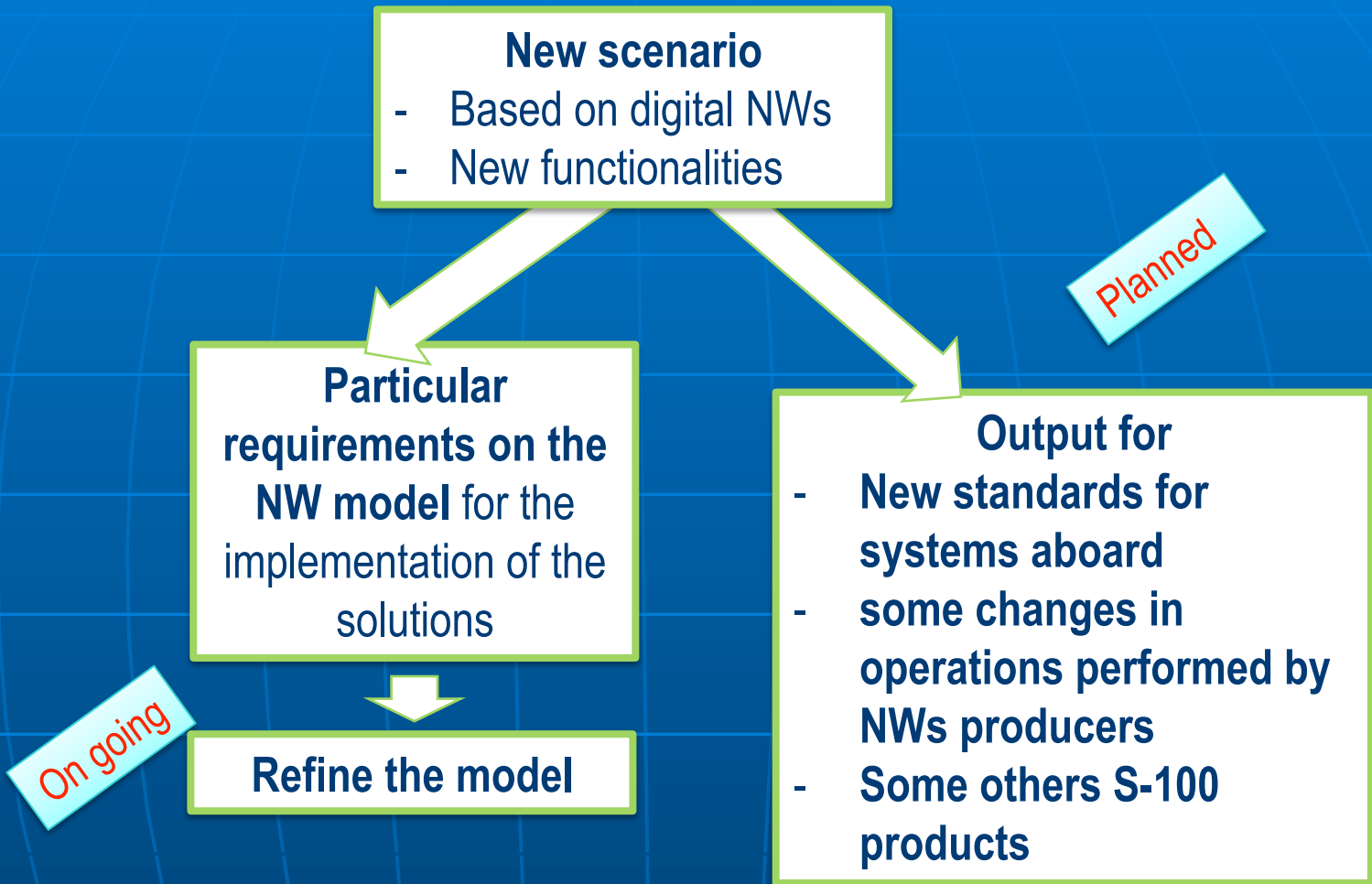
Detailed scenario of the current processing aboard



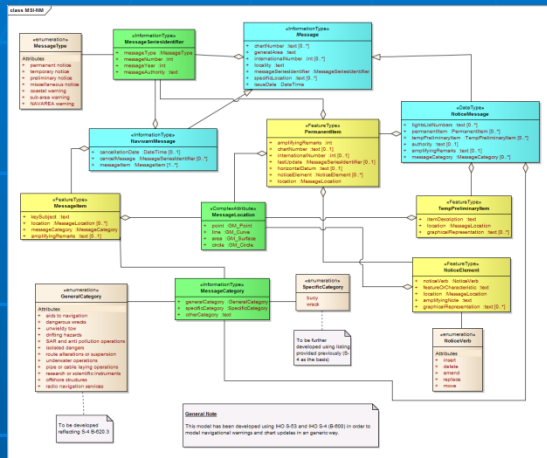
New scenario

- Based on digital NWS
- New functionalities

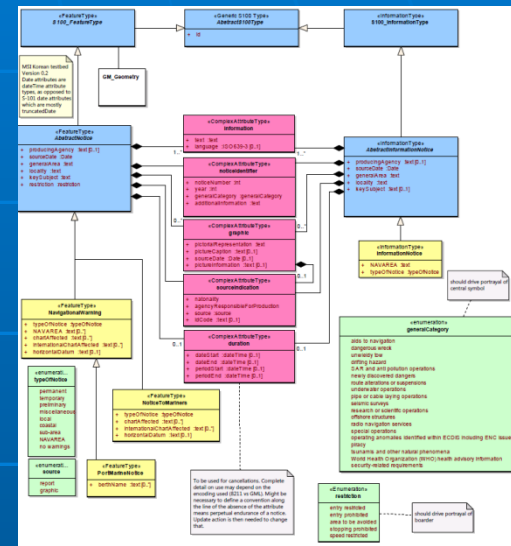




DMA Initial UML NW model from ACCSEAS



S-100 KRISO – JEPPESEN UML NW model

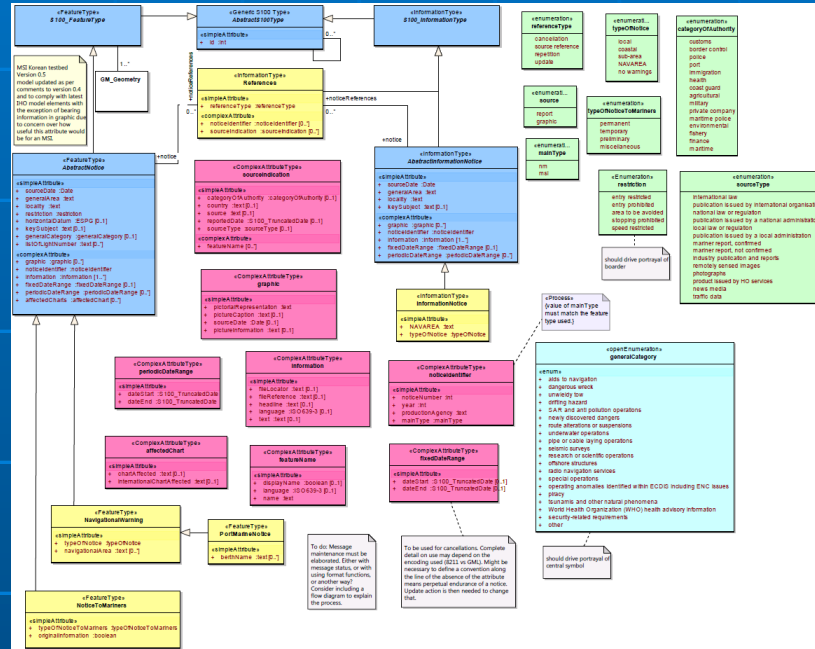


Based on IHO publ. S-53, defines the Information contains in NAVAREA and coastal NWs (SafetyNET, NAVTEX)

(*): Casualties to AtoN - dangerous wrecks - new aids to navigation or significant changes - large unwieldy tows - drifting hazards - SAR and anti-pollution operations - Newly discovered rocks, shoals, reefs and wrecks - unexpected alteration or suspension of established routes - cable or pipe-laying activities, seismic surveys, the towing of large submerged objects ...- establishment of research or scientific instruments - establishment of offshore structures - malfunctioning of radio-navigation services and shore-based maritime safety information radio or satellite services - naval exercises, missile firings, space missions, nuclear tests, or nuclear dumping zones, etc - operating anomalies identified within ECDIS including ENC issues - acts of piracy and armed robbery against ships - tsunamis and other natural phenomena - World Health Organization (WHO) health advisory information - security-related requirements. etc



KRISO-Jeppesen-DMA harmonization work (2015)



Toward an unique model that responds to the requirements and expectations identified.

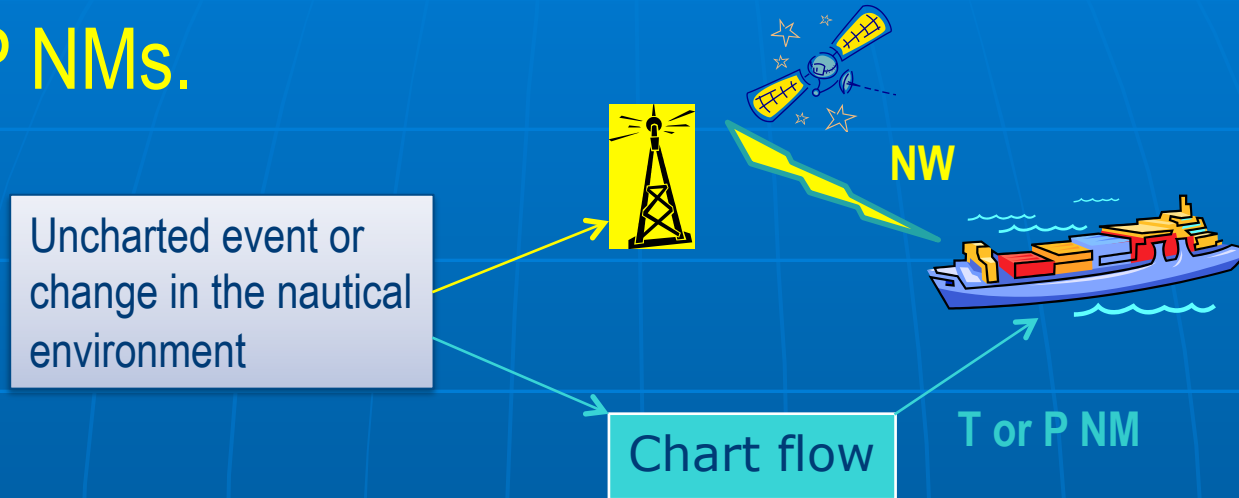


S-100 KRISO-Jeppesen harmonized model with input of DMA

- Under review by the CG
 - review with test data samples,
 - review of the inclusion of the requirements,
 - ...
- Some of the testing will take place in EfficienSea2



The model is a combined model for NWs and T&P NMs.



- To be considered by other appropriate WGs of the IHO (HSSC)
- This suggests a global approach for the review of the provision of **nautical information** in the perspective of a combined hydrographic Maritime Services Portfolio.
- -> the NIPWG (NIPWG1) took the action to consider how to implement this global approach.

Liaison with IALA

- The S-124 CG is in liaison with IALA for the coordination with the development of IALA's S-100 products specifications.
- The IALA's ENAV Committee has been informed of the S-124 progress (17th Meeting – Brest, France – 26-30 October)
- The ENAV/WG4 E-NAV services, considers that the development and approval process proposed to MSP 5 (MSI) could serve as a common model for the future development of the remaining MSPs.



Way ahead

- Refine requirements and NW modelling (2015-2016).
- Define the portrayal of the NW in relation other relevant organizations (2016).
- Provide outputs toward other relevant organizations (INS performances standard, Guidelines for the provision of NWs, consistency with others products and services...) and exchange (2016-2017).
- Draft the PS (2016-2017)
- Proceed to test-beds in relationship with projects (2016-2017).
- Reach a consensus on the draft S-124 by demonstrating its contribution to the development of solutions and its feasibility (impact on the stakeholders) including the scenario of transition (2016-2017).
- Submit S-124 PS for endorsement **(2017?)**.



Action Required of HSSC

The HSSC is invited to note the report.



Thank you for your attention

