Report of the S-124 Workshop outcomes

Unable to finish review of Draft 2.0 comments, will do so by correspondence.

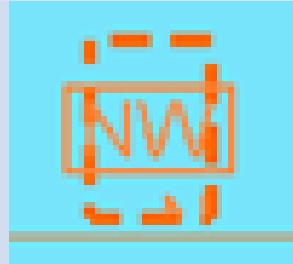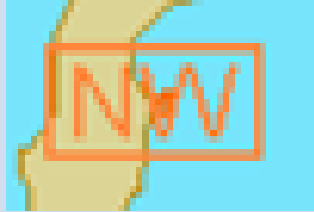Recommendations regarding Portrayal of NW messages

Navigational Warning and Weather Warning (S-412) are different symbols. (These are both MSI, but have different packaging.)

- One symbol for all types of navigational warnings. ("NW" in some format). No colour differentiation between types of hazards.
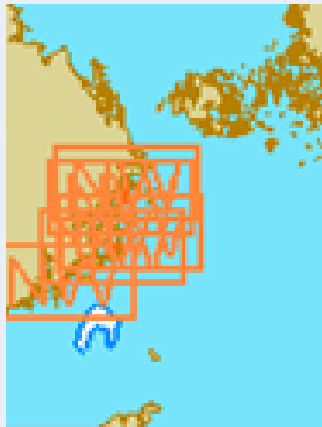
Recommendation:

- Navigational Warning layer cannot be turned off (or when is it safe to turn off during route monitoring?).
- No need for filtering which types of warnings to show (e.g. local vs coastal).
- Filtering: no spatial, topic, or route. Temporal is still important.
- Navigational Warnings will be filtered by the extend of the chart pane (i.e. chart will show all NW on screen, except those temporally out of range (graphical restriction)).

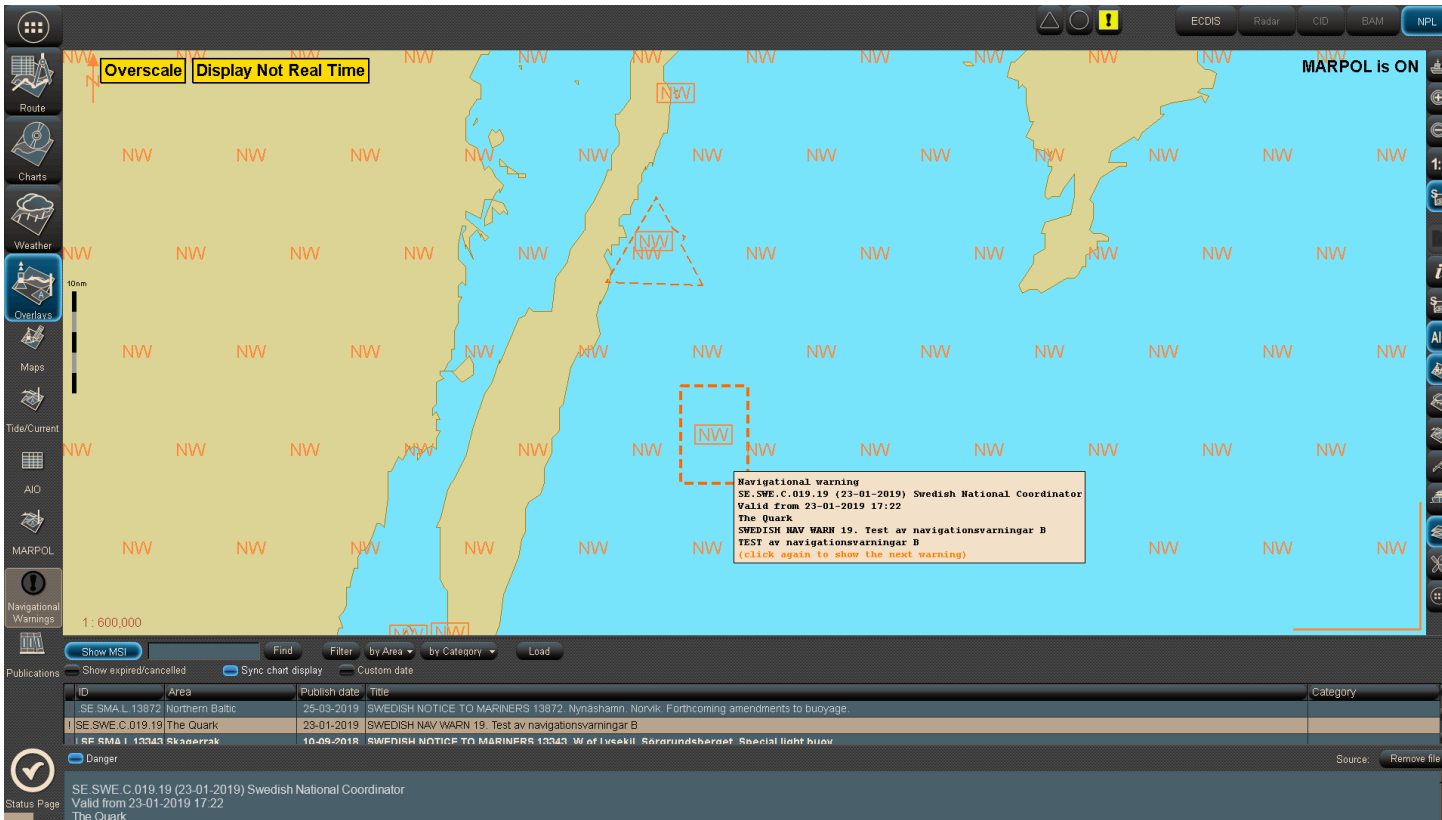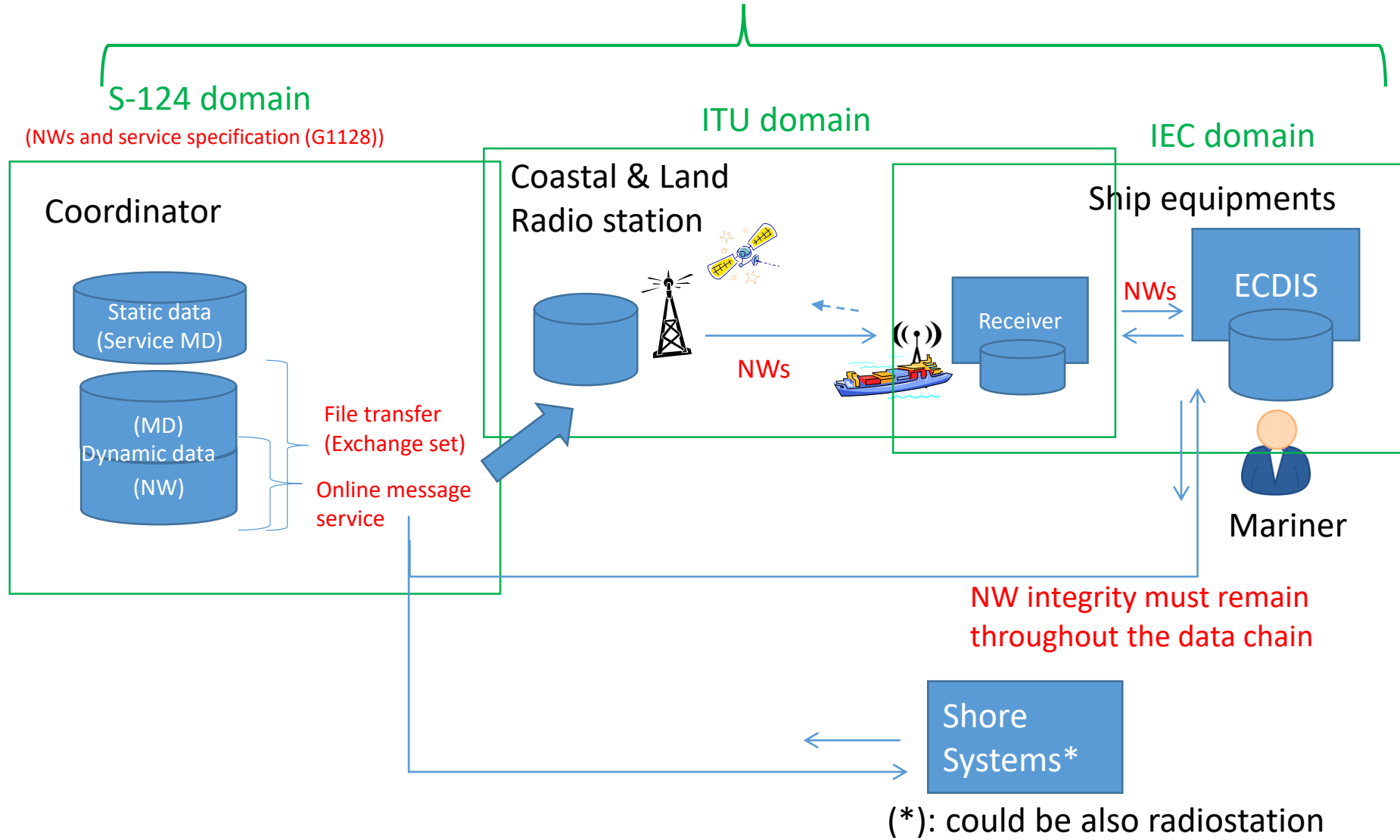|	Point, line and area representation Day, night and dusk colour palettes.
	Common problem for all products. S-124 should follow align with ENCs portrayal logic to resolve this.
	Proposal to reduce clutter into a symbol indicating NW symbol both individual and to indicate a group.
	Symbol should have two version, one for not acknowledged information and one for acknowledged information. Portrayal should also include a function to reset the new navigational warnings received for when a new officer comes in to see what they are.

Portrayal of approximate positions
- At what decimal point should there be a flag to show that the coordinate given is an approximate position (with the producer using the words "observed around/about," etc.)?
- At what decimal point would there be enough detail to show that it is a very specific point?

There needs to be a visualization of the affected area that is not intrusive (e.g. a light tinting of the selected area which is temporary) (e.g. outage of a light has an affected area related to its nominal range).

Accuracy of Latitude and Longitude decimal degree decimal places

decimal places	degrees	distance
0	1.0	111 km
1	0.1	11.1 km
2	0.01	1.11 km
3	0.001	111 m
4	0.0001	11.1 m
5	0.00001	1.11 m
6	0.000001	0.111 m
7	0.0000001	1.11 cm
8	0.00000001	1.11 mm

IMO/GMDSS/WWNWS
(GMDSS modernization plan – NCSR 4/29 annex 11
MCP could be added)

S-124 domain
(NWs and service specification (G1128))

Coordinator

Static data
(Service MD)

(MD)
Dynamic data
(NW)

File transfer
(Exchange set)

Online message
service

ITU domain

Coastal & Land
Radio station

NWs

IEC domain

Ship equipments

Receiver

NWs

ECDIS

Mariner

NW integrity must remain
throughout the data chain

Shore
Systems*

(*): could be also radiostation

- Presentations from two testbeds; SMART Navigation Project and STM Validation project.
- The group recommends that the Product Specification is not in a state where it is sufficiently complete to start planning for an impact study.
- The timeline for S-124 was discussed, and it is recommended to change the correspondence group into a project team to speed up the development with the aim of a version 1.0.0 at the end of 2020.