

TECHNICAL SEMINAR ON SECOM AND MCP — 8 OCT 2025

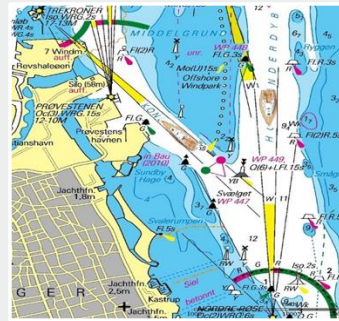
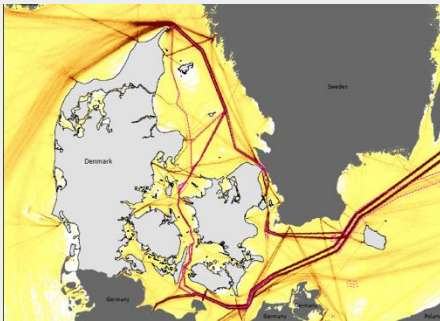
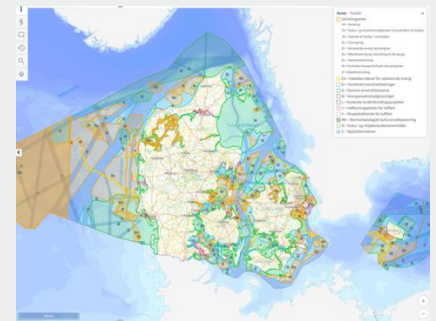
Authority perspective on S-100

Christopher Saarnak, PhD, chief adviser

DEMA – Safety of Navigation National Waters

- Safety at sea
- Safety of navigation
- VTS competent authority

Harmonized services = increased safety



MSI is time critical information

Needs solutions which are
harmonized globally

- Today: NAVTEX



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INTERNATIONAL HYDROGRAPHIC REVIEW
NAVTEX IN ACTION

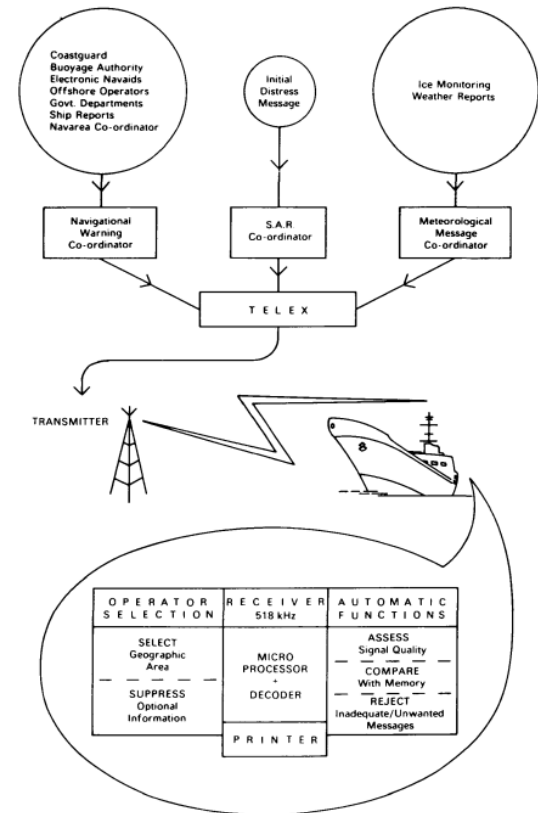


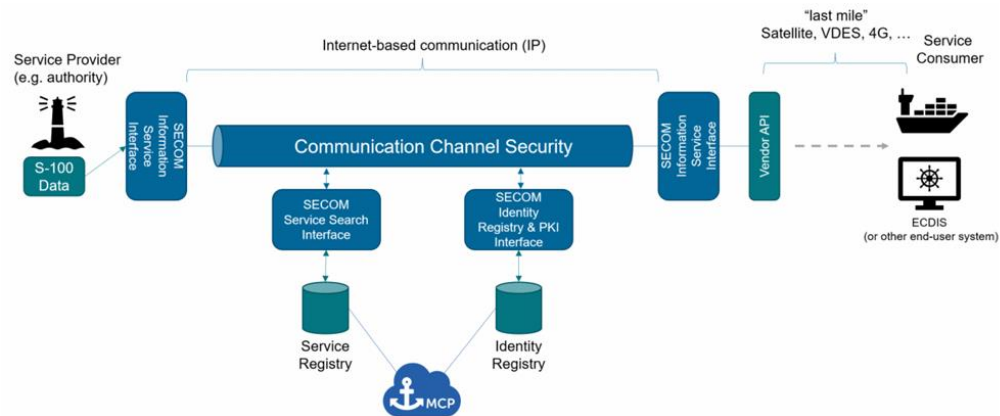
FIG. 1. — Navtex in action.

HEARSEY, R.E. (JANUARY 1988). "MARINE SAFETY INFORMATION".
INTERNATIONAL HYDROGRAPHIC REVIEW. LXV (1): 81-92.

MSI is time critical information

With the shift to S-100 data we need a strong and trusted connection between shore & ship

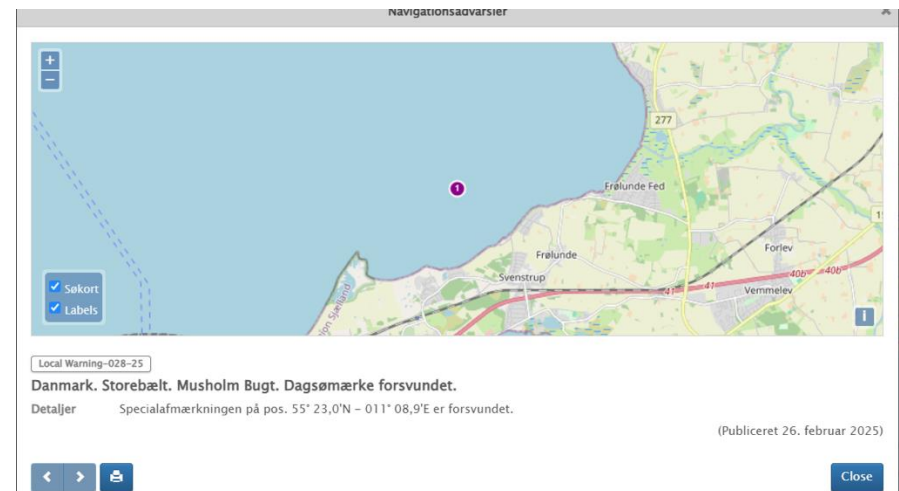
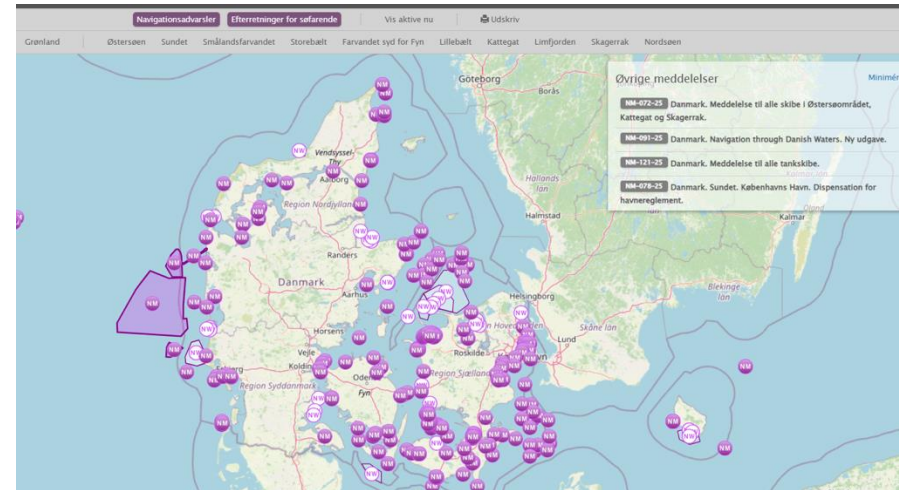
– MCP and SECOM



FROM IHO S-100WG8. INTRODUCTION OF S-100 DATA SERVICES WITH IEC 63173-2 (SECOM)

S-100 data at DEMA

- AtoN management
- S-201 (AtoN database)
- MSI (as defined by S-53: Manual on Maritime Safety Information (MSI))
- S-124 (time critical information)
- NM T&P (as defined by S-4: Regulations of the IHO for International Charts and Chart Specifications of the IHO)
- S-125 (time critical information)



MaDaMe

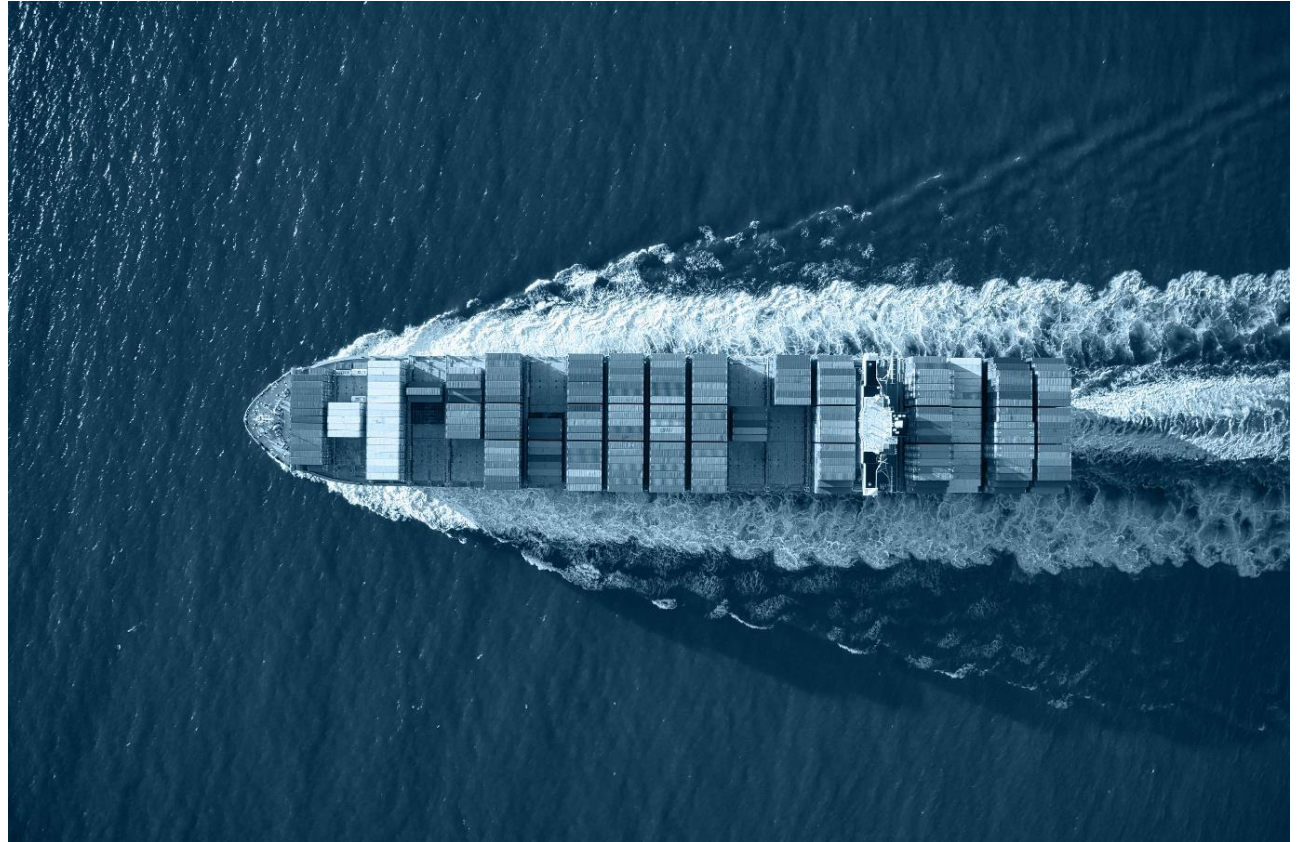
Maritime Data Methods for Safe Shipping

Funding: Interreg Baltic Sea Region

Duration: 1.11.2023-31.10.2026

Budget: 3,4 M€ (80% ERDF funding)

Coordinator: Turku University of
Applied Sciences



S-124 pilot

S 124 Digital Navigational Warning Service

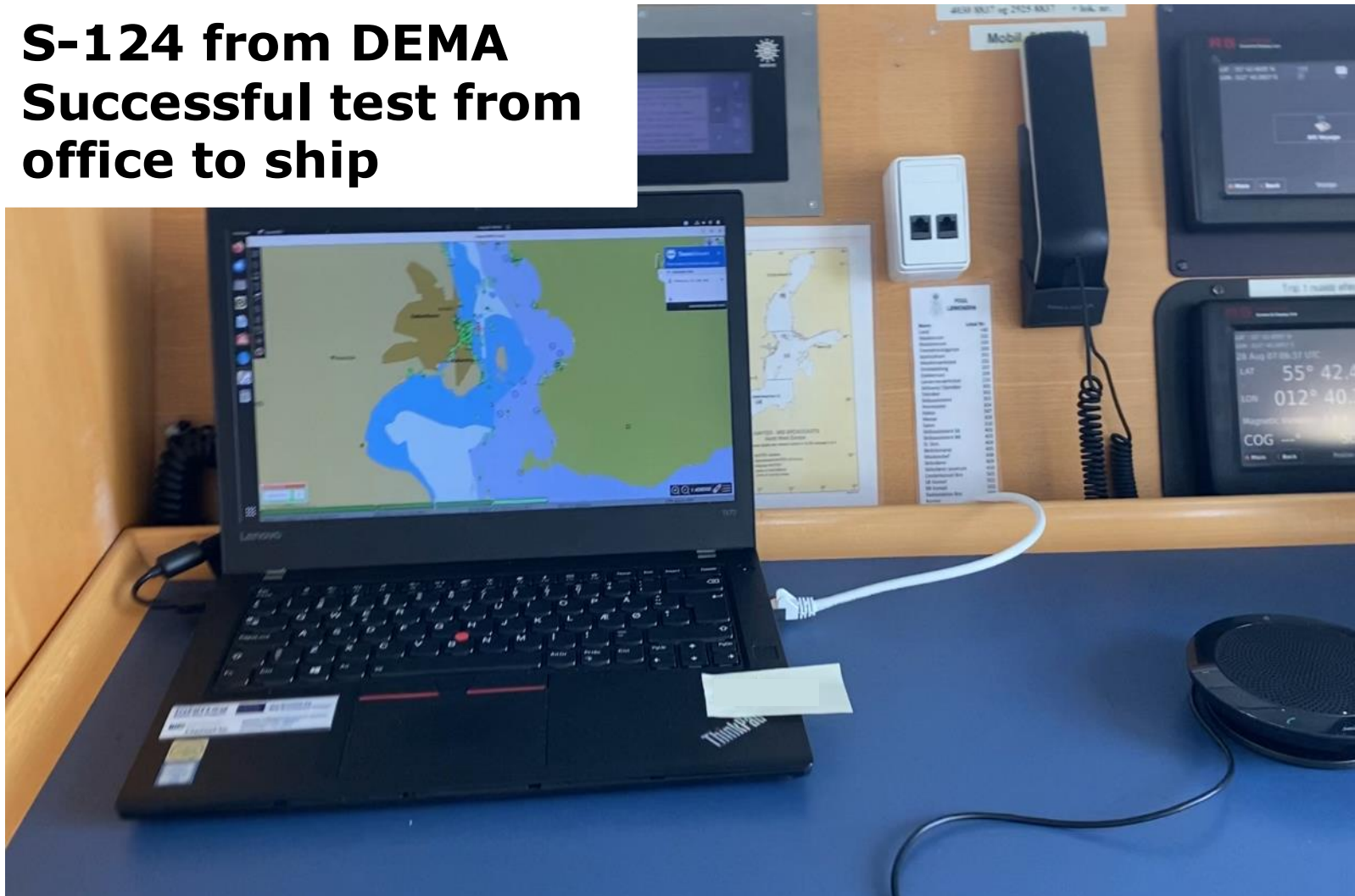
Denmark's contribution is strongly focused on development of an **operational testbed**, where we evaluate the practical sea trails of the **S-124 Service** based on MCP authentication and SECOM connectivity.

A sea trial has been conducted with Sternula, The Swedish Maritime Administration and DFDS.

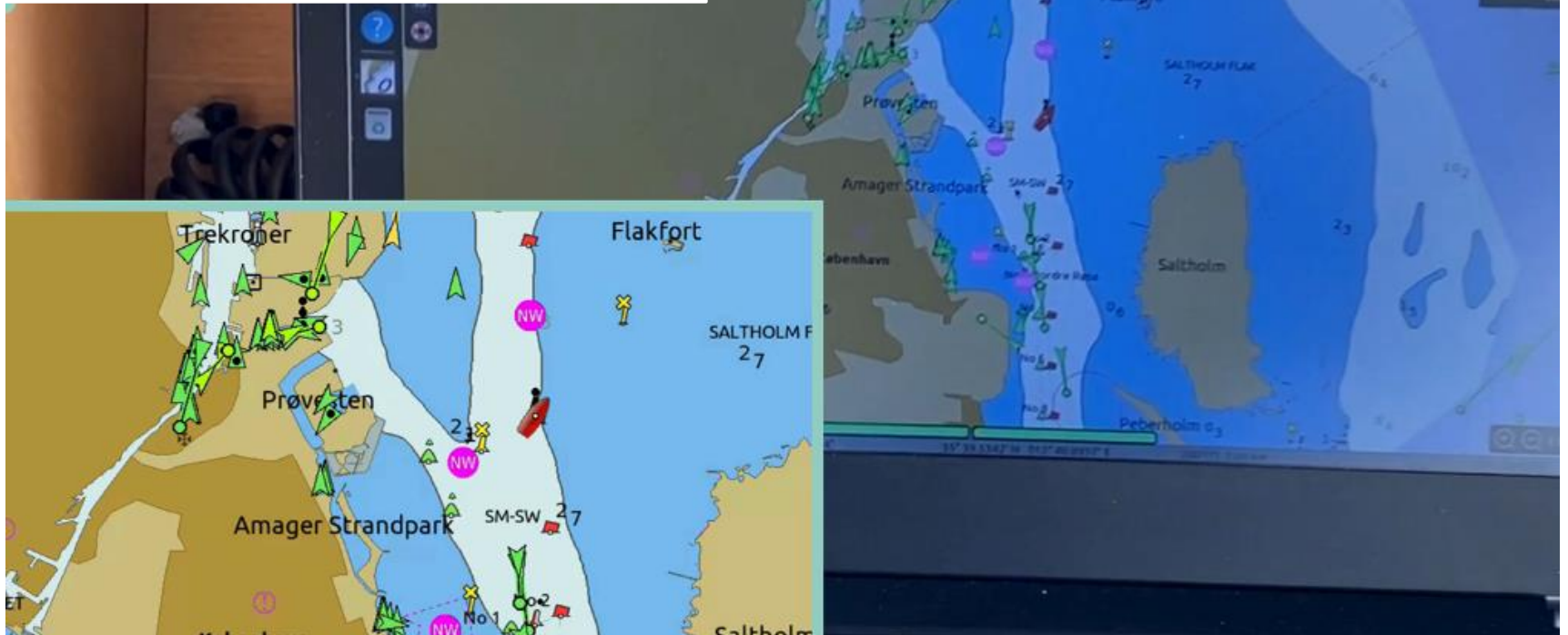




S-124 from DEMA Successful test from office to ship



S-124 from DEMA Successful test from office to ship



Danish S-100 coordination group

- Danish Geodata Agency
- Danish Emergency Management Agency
- Danish Maritime Authority
- Danish Meteorological Institute
- Defence Centre for Operational Oceanography

Coordinate implementation and align the work in international fora



**DANISH EMERGENCY
MANAGEMENT AGENCY**

Thank you



**Ministry for Resilience
and Preparedness**