



# The National Report of Finland

**13<sup>th</sup> Arctic Region Hydrographic Conference**  
**5 - 7 September 2023**  
**Nuuk, Greenland, Denmark**

## S-100 implementation in Finland (Traficom)

**Traficom/FHO** is studying and building capabilities for the production of the future S-100 products.

- Currently the main focus is on the **S-101 ENC** and **S-102 Bathymetric Surface** products

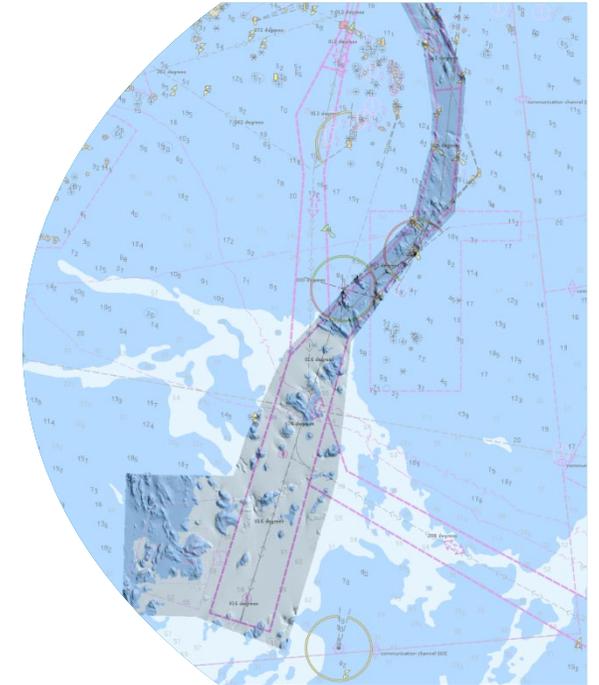
Traficom's plan is to migrate the current source database (S-57 data model) into a new "FHO S-100 database" (S-101 data model), where the products S-57 ENCs + S-101 ENCs + paper charts are then compiled.

The production system supporting S-100 production is planned to be operational before the end of 2024.

Other S-100 products are investigated as well, such as **S-128 Catalogue of Nautical Products**.

Traficom/FHO is cooperating with **Traffic Management Company Fintraffic Ltd.** in order to expand **Navigational Warnings** Service to support **S-124** format.

S-101 ENCs



S-102 Bath. Surfaces  
S-124 Nav. Warnings

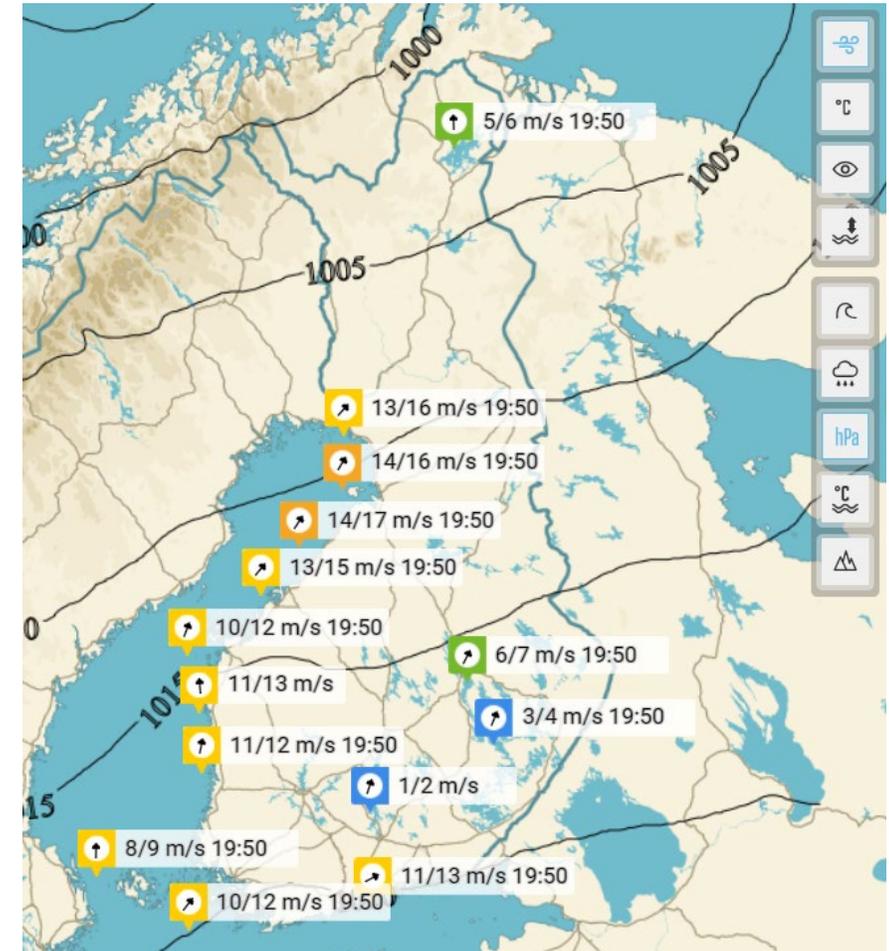
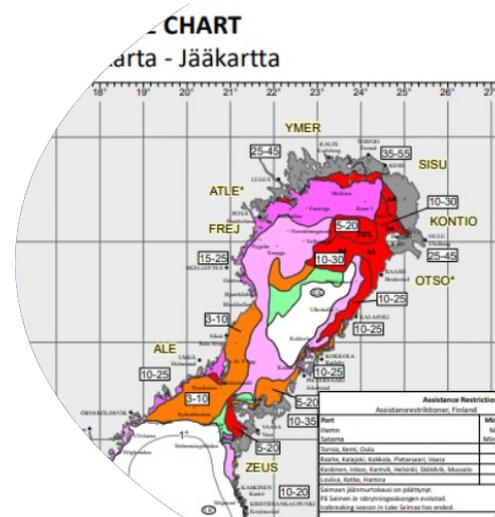


# S-100 implementation in Finland – cooperation with national partners

Traficom/FHO is cooperating with **Finnish Meteorological Institute** in order to establish production system for

- **S-104 Water Level Information for Surface Navigation**
- **S-111 Surface Currents**
- **S-411 Ice Information**
- **S-412 Weather and Wave Hazards**

High interests are also recognized for **S-413 Weather and Wave Conditions** and **S-414 Weather and Wave Observations** production.



# Sailing Directions for Finnish Waters

The volume Sailing directions for Finnish waters - Part 1 - General information, contains general information and instructions.

The volume Sailing directions for Finnish waters - Part 2 - Main approach channels, contains channel design data of the main approaches.

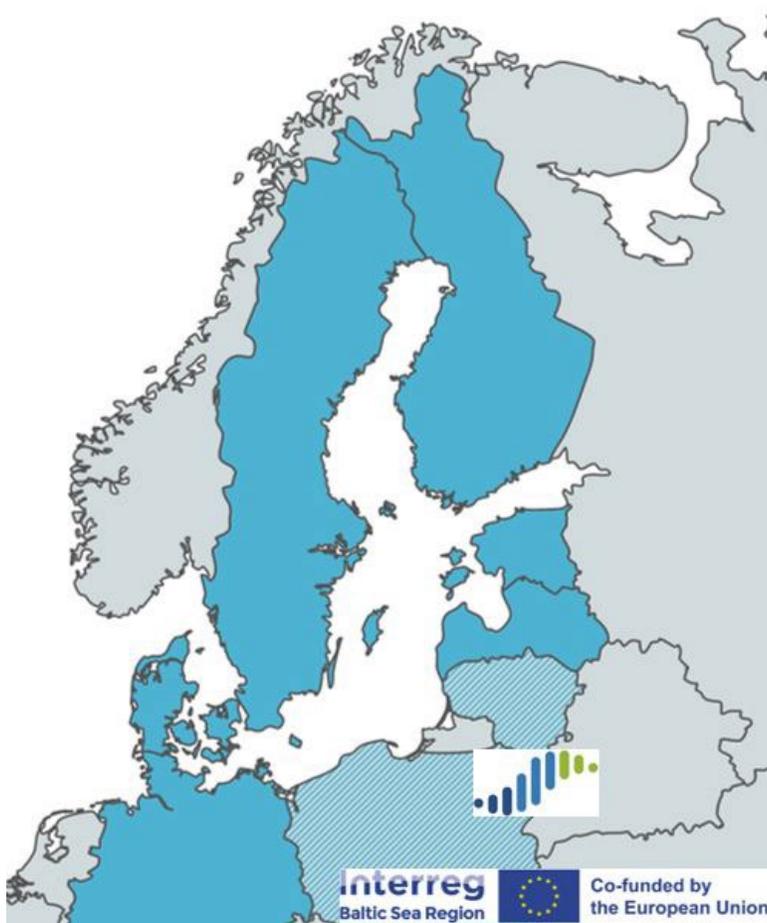
The table shows published and planned volumes of the Sailing directions for Finnish waters - Part 2. Gray color indicates planned volumes.

- Part 2.1.1 - Main approach channels - Gulf of Finland, East
- Part 2.1.2 - Main approach channels - Gulf of Finland, West
- Part 2.2.1 - Main approach channels - Archipelago Sea
- Part 2.2.2 - Main approach channels - Aland Sea
- Part 2.3.1 - Main approach channels - Sea of Bothnia (before end of 2023)
- **Part 2.3.2 - Main approach channels - The Quark (2022)**
- **Part 2.3.3 - Main approach channels - Bay of Bothnia (2021)**
- Part 2.4.1 - Main approach channels - Inland waterways

The rest of the Part 2 volumes are planned to publish by 2027 following the Baltic Sea Chart Datum 2000 project.

*S-131 Marine Harbour  
Infrastructure*

# S-100 Regional Coordination → Baltic Sea eNav Project



## Partnership

### National Public Authorities:

- Swedish Maritime Administration (SE) (Partner)
- Federal Maritime and Hydrographic Agency (DE) (Partner)
- Finnish Transport and Communications Agency TRAFICOM (FI) (Partner)
- Danish Geodata Agency (DK) (Partner)
- Republic of Estonia Transport Administration (EE) (Partner)
- Maritime Administration of Latvia (LV) (Partner)
- Lithuanian Transport Safety Administration (LT) (Associated partner)
- Hydrographic Office of the Polish Navy (PL) (Associated partner)
- Finnish Meteorological Institute (FI) (Partner)

### Academia:

- RiSE (SE) (Partner)
- SAMK (FI) (Partner)

### Private Enterprise:

- ECDIS OEM – Furuno Finland Ltd. (Partner)

### RENCs:

- PRIMAR (Associated partner)
- IC-ENC (Associated partner)

# S-100 Regional Coordination → Baltic Sea eNav Project

## GOALS

- **Develop production capabilities** for S-101 ENC, S-102 bathymetry and to some extent S-104 water level
- **Develop harmonization rules and priority areas of production** for S-101, S-102, S-104 products
- **Test, evaluate and refine** the S-101, S-102 and S-104 products (Interoperability)
- **Commercial rollout** for S-101 and S-102 covering the Baltic Sea Region and S-104 for Finnish waters.

## TIMEFRAME

- November 2023 – October 2026

## BUDGET

- ~ 5 M€

**Thank You**