

S-104 and S-111

Status of implementation from the Norwegian Mapping Authority, Hydrographic Service



S-104 Water Level Information for Surface Navigation

- Administrative:

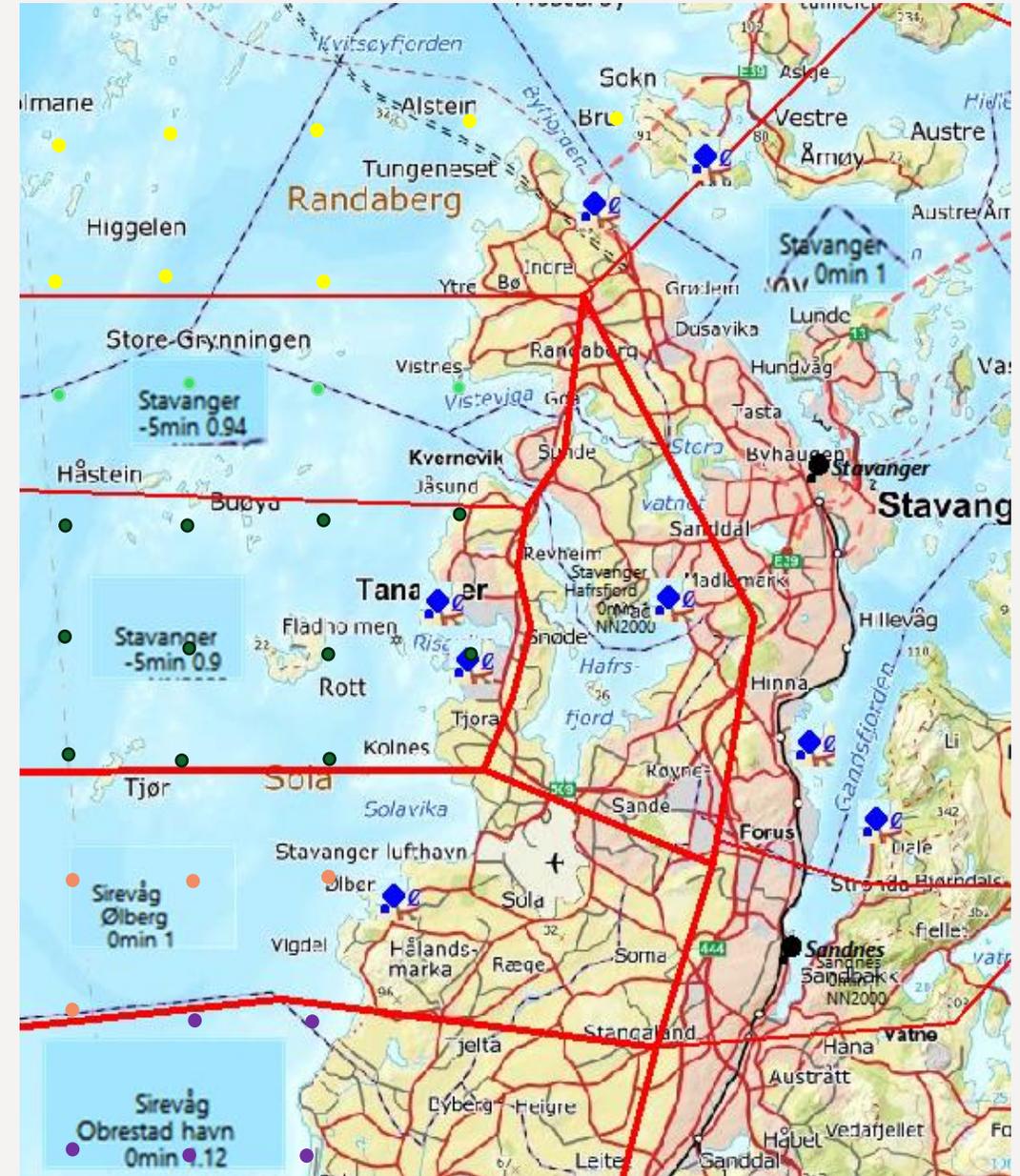
- The Norwegian Hydrographic Service (NHS) will be responsible for both data and product

- Ambitions:

- Distribute the existing gridded datasets for water level forecasts and tidal predictions as S-104
 - Use contractors for technical implementation
 - Production of test datasets within Q2 2025
 - Be ready for operational production within Q4 2025
 - The improvement of the datasets will continue independent of this S-100 implementation

S-104

- Use the currently best available national data
- Tidal predictions and water level forecast will be gridded based on the existing model with zones



S-111 Surface Currents

- Administrative

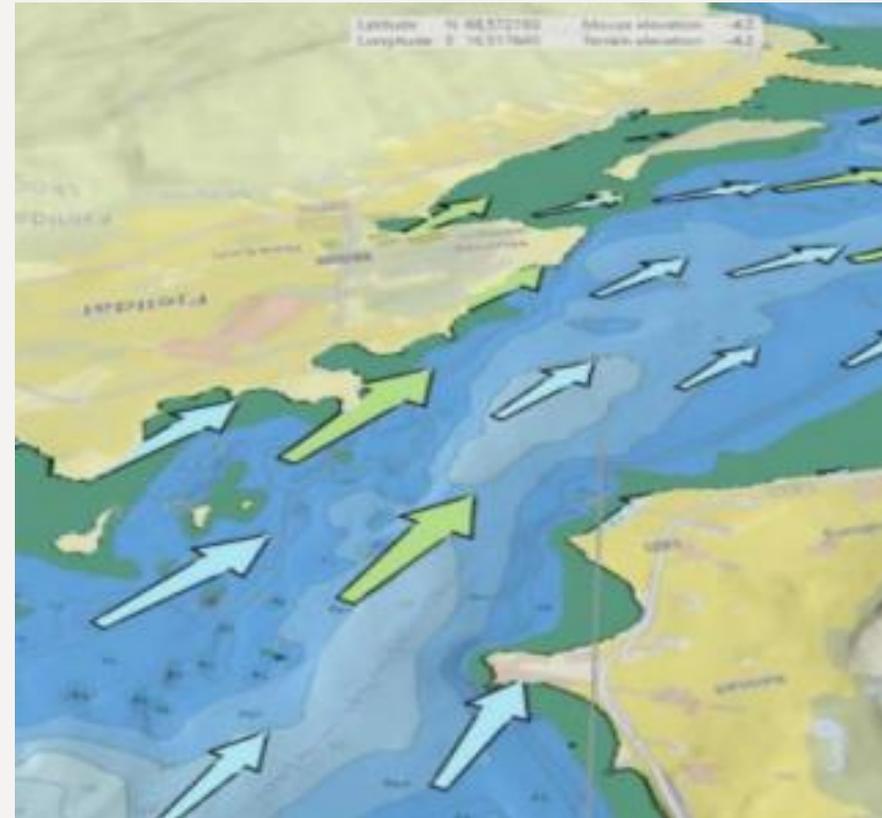
- The Norwegian met office will produce the actual datasets based on requirements given by the Norwegian Hydrographic service (NHS)

- Ambitions

- Distribute the existing data from the operational surface current models run by the Norwegian met office as S-111
 - Use contractors for technical implementation
 - Some test dataset are produced in Q1 2025
 - Be ready for operational production within Q4 2025
 - Based on test datasets and user needs, the existing operational models will be evaluated

S-111

- Use the currently best available national data
- Currents are based on the operational ocean models operated by the Norwegian Met. Office

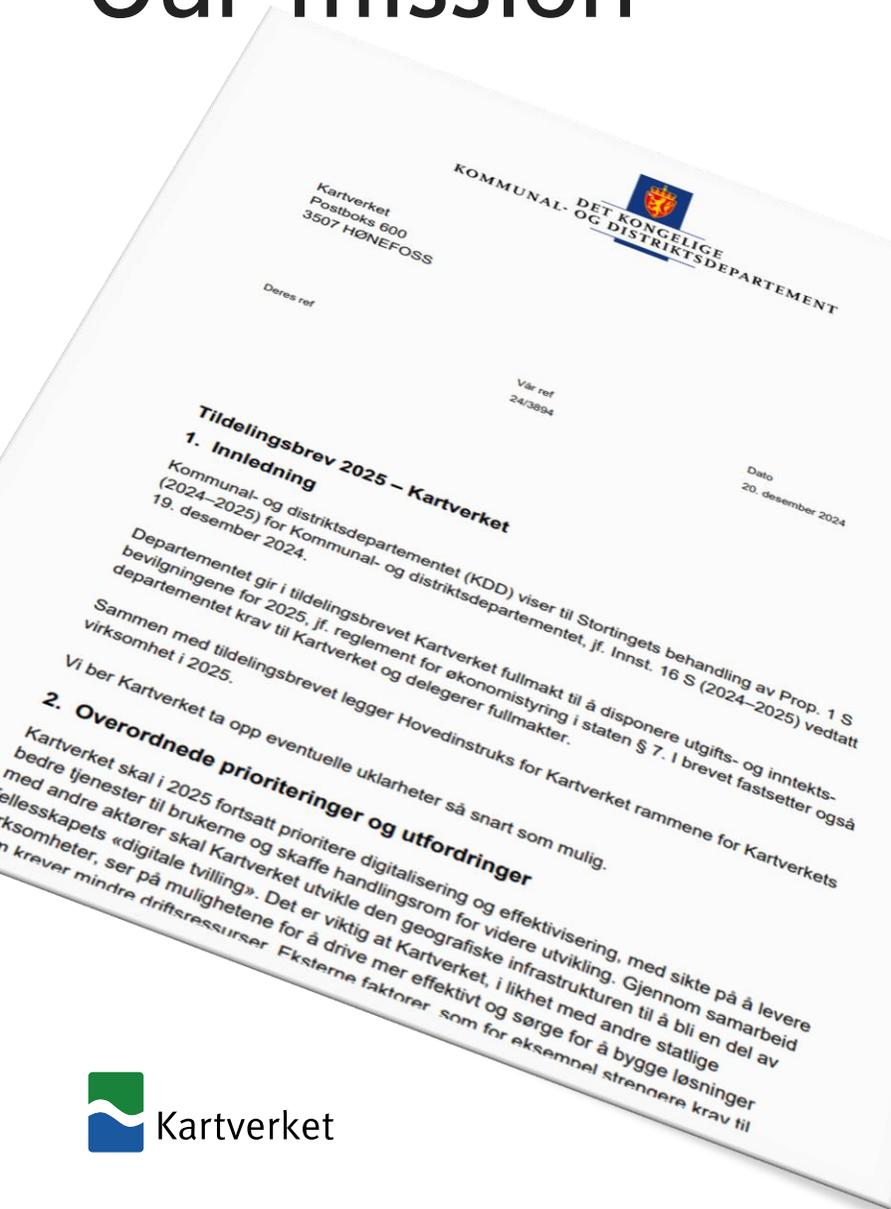


Our mission

Norway is committed to providing navigation services in accordance with internationally adopted standards. The Norwegian Mapping Authority (Kartverket) shall follow the IHO's implementation plan for the S-100 standard and deliver navigation services that support new navigation systems.

Results requirements (to be reported in the quarterly reports):

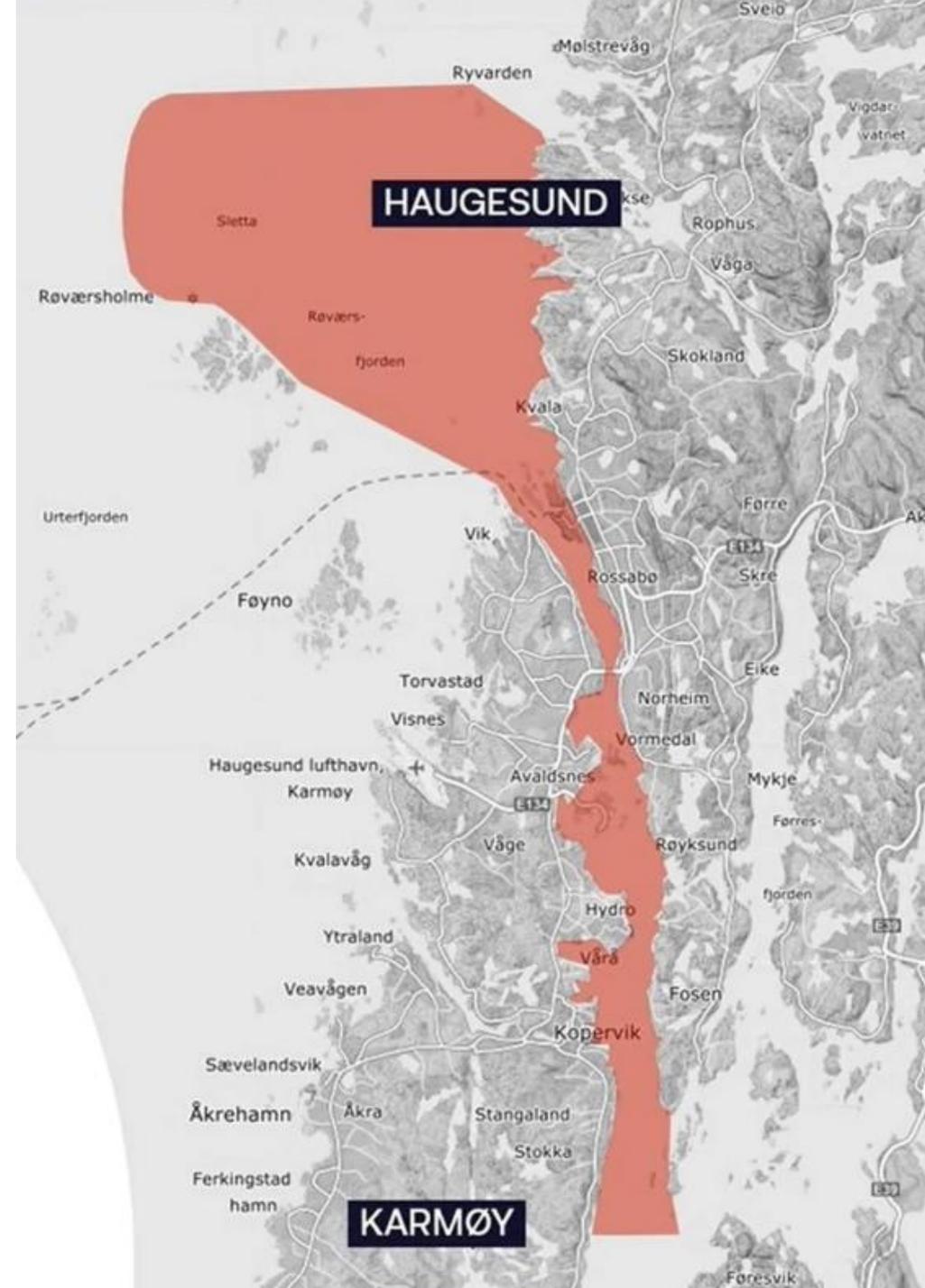
- **Within 2025, the Norwegian Mapping Authority will launch the new services for S-104 and S-111.**
- Acquire a nautical production system that supports production of S-101.



S-100 testbed

- Start with
 - S-101
 - S-102
 - S-104
 - S-111
 - S-128
 - S-131

Internationally available following the guidelines from IHO





Kartverket