

## **New national ENC service for leisure craft users**

### **Status**

In 2013 the Danish Geodata Agency (DGA) initiated the Safe Course pilot project. The project was carried out in cooperation between DGA, the Danish Maritime Authority, the Swedish Maritime Administration and the Swedish private company Seapilot AB.

The aim of the project was to obtain background information for developing an official digital solution acceptable as a primary navigational aid for leisure crafts. This ENC service will be based on distributing electronic chart data with regular updates to the private sector to develop end user software for distribution to the leisure craft market.

The project tested an ENC service (updated Danish and Swedish ENC's ) for leisure craft navigation and involved 132 Danish and Swedish test users, all of whom were experienced leisure craft mariners. The ENC's were displayed on a tablet through a software solution developed by the Swedish company Seapilot AB, and were used as the primary aid for navigation.

The service and the technical setup proved to be a success in the pilot project and it was decided to set up a Danish national ENC service for the leisure craft market. The minimum criteria for such a service should be based on:

- Regular updates
- Data standards (S-52 cartographic display , S-57 data transfer, S-63 encryption or equivalent)
- Software/hardware standards
- Quality management system and audit by accredited body

After the project an implementation plan was developed in order to have the new Danish ENC services operational from 1st of April 2016.

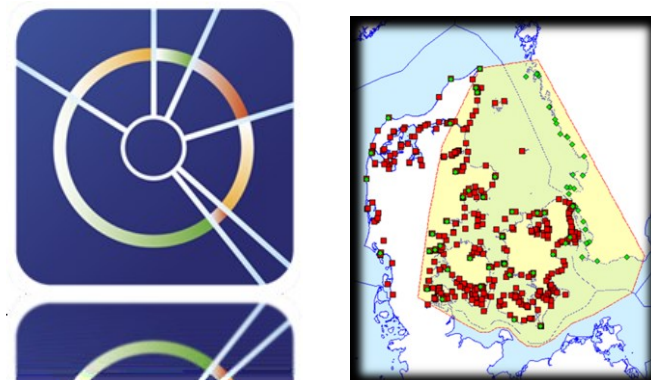


Figure 1. The official logo for the new national ENC service for leisure craft users and a map showing the harbours that has to be produced for use in the new national ENC service.

## The implementation

At the end of 2015 the first round of meetings with 18 of the current and potential commercial chart distributors was completed. At the meetings DGA got a lot of insightful feedback from the chart distributors. The feedback received does support the project's overall aim to enhance safety at sea amongst leisure craft mariners by providing an official alternative to paper charts as the primary means of navigation. However, most of the commercial chart distributors found the proposed business model needed modifications to be feasible and economically viable.

To address the feedback, the DGA has decided to add an extra project phase to adjust the business model. As a follow-up, DGA will take further contact to the current and potential commercial chart distributors to gain market insight for our analysis. Thereafter, the current project plan is for the DGA to present an updated business model and offer test data, new standard contractual terms and launch activities.

Due to the government's plan "Better balance - Government institutions closer to citizens and businesses" DGA is split into two new separate governmental agencies and the new DGA is relocated to Aalborg by the end of 2016. As a consequence the implementation of a new national ENC service for leisure craft users has been postponed; however the current marine and maritime tasks and the implementation of a new national ENC service for leisure craft users will remain within the DGA working remit.

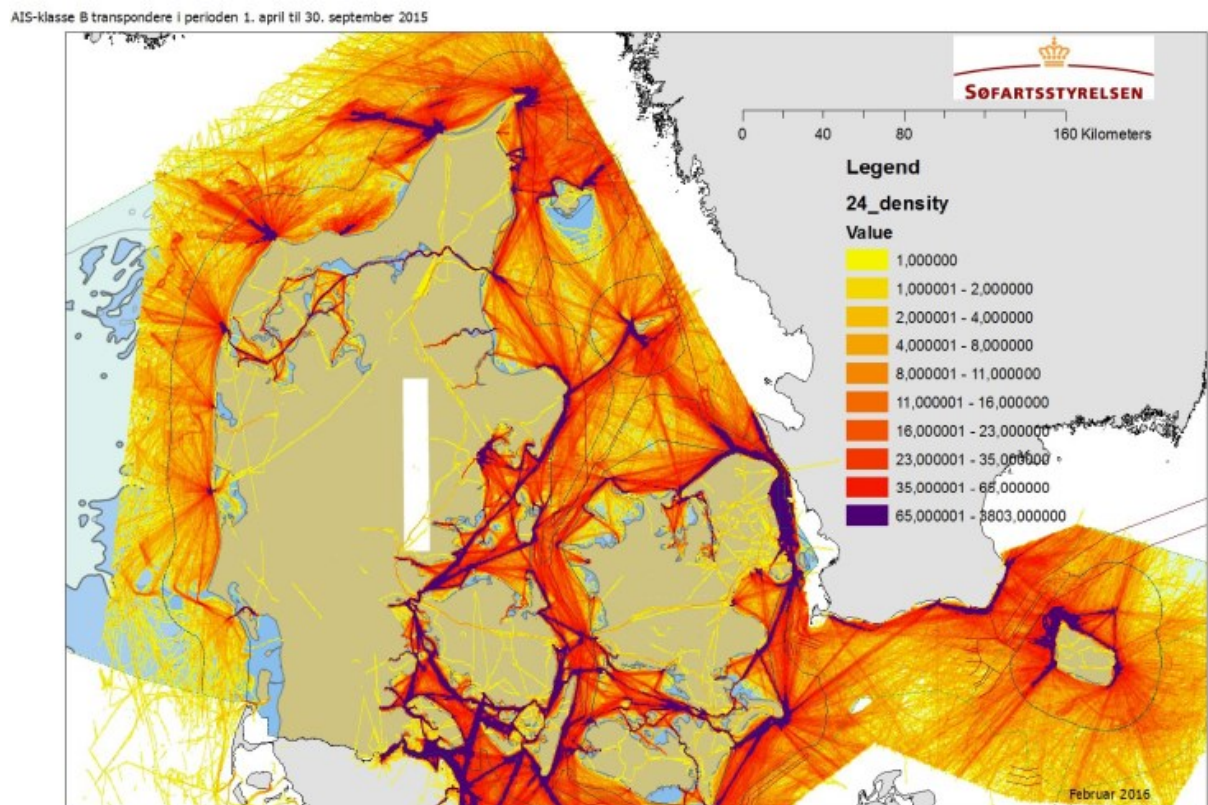


Figure 2. Ships with AIS type B transponder