

Abstract : IHO Stakeholders' Open Session HSSC-13, May 2021.

Requirements and suggestions for the S-100 Implementation Decade in Navigation Systems –
An industry and user perspective.

Over the last 3 years, fueled by Canada's Ocean Protection Plan, multiple Canadian departments are joining forces to create datasets on several emerging S-100 specifications. In parallel to this work, an exploration project was initiated to address the next challenge in order to ensure that the mariner can reap the benefits from S-100 data. Leveraging existing Open Geospatial Consortium (OGC) standards and latest cloud technologies, an S-100 (S-102/S-104/S-111) distribution and updating service was created to test a service orientated approach, addressing the full value chain.

- Source to Product = Canadian Hydrographic Service
- Product to Cloud Service= Teledyne CARIS
- Cloud Service to Clients= Primar-Electronic Chart Center / Marine SDI
- User Display= SEAiq / Seven C's Njord Pilot
- Consumers = Canadian and Norwegian Pilots

The standardized delivery of S-100 services is key to enable global implementation in Navigation Systems. The team is ready to report at HSSC-13 on the work accomplished and solutions implemented. Main focus of the presentation will be on the four last bullets of the value chain where industry and users play an essential role.

Looking forward, accessibility to data services is the vital contribution that IHO must deliver to support Blue Economy initiatives and activities, while continuing to enhance the knowledge of the oceans and seas. The findings of this exploration project have the potential to accelerate IHO members states response to global challenges.