

## IALA COUNCIL 80th session



**24-28 June 2024**  
**Istanbul,**  
**Türkiye**

### 7 – NATIONAL MATTERS

#### National Matters Update by Canada

##### o DIGITALIZATION:

- CCG is working with partners to advance the implementation of its e-Navigation plan and facilitate the transition to the S-100 world. This work is being done in phases, including beginning to advance critical systems infrastructure projects. This will enable CCG to meet its mid-term and long-term obligations and support a more fulsome transition to a digital navigation world. CCG has recently advanced the development and implementation of a modernized vessel traffic monitoring and information system (VTMIS) that will include smart decision support tools and automated monitoring systems.

##### o FLEET OF THE FUTURE:

-At CCG there is quite a bit of activity on the fleet side: we are driving digitalization from all fronts with the modernization of services and National Shipbuilding Strategy. This is a long-term project to renew Canada's federal fleet, including recapitalizing Coast Guard's aging fleet with new classes of vessels.

##### o CONNECTIVITY AND GATE 1 SERVICES:

- CCG is improving ship connectivity including using Furuno Gate-1 to keep the ECDIS up to date and simplify the process for the CCG navigators

- S-124 implementation efforts continue. CCG is now testing SECOM and MCP distribution processes with S-124, and plan on using the lessons learned to expand services to other S-100 products in the future.

- CCG has led the Canadian efforts to clearly define all Canadian waterway using polygons, and assigning names to these in English, French and relevant indigenous names. As well, Maritime Resource Names are being assigned to every defined waterway using a MRN structure that enables traceability of the hierarchy between large areas into smaller areas, such as Bay of Fundy is the parent waterway to Minas Basin.

##### o SUSTAINABILITY AND GREENING:

Canada has ongoing "greening government" initiatives such as : Four Seasons Buoys, greening activities, replacing plastic with metal buoys, developing new areas of research for fix aids to navigation, Marine Communications and Traffic Services (MCTS) using solar or windmills power.

Collaborative work with IHO: St. LAWRENCE RIVER DESIGNATED INTERNATIONAL S-100 SEA TRIALS IN 2025:



C80-7.11

- Our colleagues at the Canadian Hydrographic Service proposed for an international designated area for crucial tests is aimed at testing and validating the S-100 suite in real-world scenarios, at the last IHO's Hydrographic Services and Standards Committee (HSSC) 2 weeks ago.

- The St-Lawrence River in Québec, Canada, is proposed for a S-100 sea trial area for 2025 due to its diverse conditions and high traffic, providing an ideal testing ground for the S-100 route monitoring layer.

- This is to ascertain how the systems portray different datasets in an integrated fashion.

- It will also test all operational versions of S-100 route monitoring layers in preparation for the official launch in January 2026.

In closing:

- o WATON DAY 2024: Canada celebrates both WATON Day as well as Canada on July 1<sup>st</sup>. Canada would also like to extend its congratulations to Italy and the recognition of Genova's historic Lanterna such a prestigious landmark as IALA "Lighthouse of the Year 2024".