

# Implementing S-100 at the Canadian Coast Guard

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In Canada, the Canadian Coast Guard (CCG) is responsible for various S-100 services defined by both IHO and IALA. The paper will be an outline of the efforts of CCG in preparing for S-100-based services, both as a user and as a producer of S-100-based data. CCG's contributions to the Canadian Government's intradepartmental S-100 committee will be highlighted, including the division of responsibility for the various S-100-based services across the Canadian Government.

CCG's efforts to create test data in preparation for its S-100-based services will be touched upon, along with challenges and lessons learned to date. The paper will outline how these are being addressed through internal efforts such as staff training as well as through engagement with the international community to modify and improve standards.

The paper will also expand on the systems being developed or tested by CCG in setting up S-100 services, detailing the thought process leading to expanding functionality of existing systems, replacing existing systems with new systems, or acquiring new systems altogether.

Lastly the paper will talk about the testing of S-100 services in the CCG fleet as well as the efforts currently under way to ensure Canada's Marine Communications and Traffic Services are getting ready to consume and produce S-100 services where applicable in their operational framework.