

Title Abstract: Canada's eNavigation architecture and the place for VTS

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Mr Coutu has been a software engineer for the Canadian Coast Guard for 20 years and been representing Canada at IALA for the last 12 years. He is now manager of the Informatics departments at the Canadian Coast Guard and leads the e-navigation and VTMIS files.



Abstract:

Next generation VTS are an integral part of the shore-based eNavigation ecosystem. To enable shore authorities to leverage security, safety and efficiency benefits of next generation VTS, data exchanges between the different shore-based eNavigation components are critical. These data exchanges must be based on international standards being developed, especially the S-100 suite of standards. Shore authorities have to plan a migration of existing maritime information systems towards newer versions that will support these standards and enable data dissemination throughout the eNavigation ecosystem.

Eventually, by leveraging numerous data sources in standard formats, shore authorities will be able to perform advanced data analysis combining different sources of data and opening the door to business intelligence for the maritime world. The Canadian Coast Guard wishes to share the results of its work with other national authorities in order to stimulate dialogue, considering that many other authorities may have similar interests with regards to eNavigation and VTS.