

## Paper for Consideration by NIPWG

## Canadian Coast Guard Navigational Warning System

<b>Submitted by:</b>	Canadian Coast Guard
<b>Executive Summary:</b>	The Canadian Coast Guard (CCG) is developing a new Navigational Warning System. This paper provides a short synopsis of that development.
<b>Related Documents:</b>	S-100, S-124
<b>Related Projects:</b>	ACCSEAS, S-100WG, S-124CG

**Introduction / Background**

Using the Navigational Warning system developed by the Danish Maritime Authority (DMA) under the ACCSEAS project as a starting point, the Canadian Coast Guard (CCG) is developing a new Navigational Warning System for the e-Navigation challenge.

**Analysis/Discussion**

The Canadian Coast Guard (CCG) is developing a new Navigational Warning System. This system is based on a version of the Navigational Warning system developed by the Danish Maritime Authority (DMA) under the ACCSEAS project. The Canadian system has been customised for Canadian requirements, including alignment within the organizational structure of the CCG, management of Navigational Warnings (NWs) related to AtoNs and CCG Assets, and many other new functionalities or improvements. The system is still in development, but aims at producing deliverables that include traditional NWs, distribution via email through a subscription system, publication on the Web, as well as S-124 compatible outputs. The ACCSEAS system includes functionality for Notice to Mariners, but this has not been implemented in the Canadian system yet.

Below is a screenshot of the Navigational Warning System. The interface is web based to allow for greater flexibility and centralised data management. Canada is a bilingual country, where English and French are official languages. The system is therefore designed to provide both an English and a French user interface.

NW-NM Home Search Drafts **Create Draft** Admin Stephane Lessard Logout All offices


## Edit Message NW-CA-?-17

ID & Type: **NW** - CA - Num. - 2017 **Local**

References: Search messages  
Message ID Reference

Subject: Aids to Navigation

Aids: 134 Light Buoy D57 (1.4M Sealite Trident 1400) D57

Locations: Points Circles Polygons Polylines Aids Sites Assets Areas  


Areas: Cornwall to Montreal Compute Areas from Locations Vicinity: List Free Text Select Vicinity

Charts - (Edit charts): 1432 (Lac Saint-François/Lake St. Francis B-C) Horizontal Datum Compute from Locations

Categories - (Edit categories): Buoyos Execute Template  
 Adrift Aground Awash Buoy Adrift

Title: Aids to Navigation Aides à la navigation

Description: Adrift in 45° 05.786'N 074° 28.987'W. À la dérive à 45° 05,786'N 074° 28,987'W.

Validity period: 24H after publication **Until Cancelled** Auto-Cancel Until Date Time

Broadcast: **Scheduled Broadcast** Broadcast Once Not For Broadcast

Source - (Add new source): Source

Send to MCTS for broadcast: Prescott Quebec

Save Message: Save Message Reload Message Manage Message

Screen shot from test system

NW Issuing Authority would input information about the NW Subject, either an AtoN, an equipment outage, a dangerous situation or other types of maritime safety information, and use a template system when possible to generate a complete NW in both official languages. When the use of a template is not adequate, free text can be entered instead. The output NW would then go through a vetting process before it is officially published.

### Conclusions

Canadian Coast Guard aims, with this development, to meet the current and future requirements of e-Navigation.

### Action Required of NIPWG

The NIPWG is invited to:

- a. note the paper

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