



# Chart of the Future

## Nautical Charts and Hydrography in an E-Navigation World

**Date:**

Monday, May 11, 2009

**Time:**

9am-12pm

**Location:**

Monticello Room  
Sheraton Waterside Hotel  
Norfolk, Virginia

**Contact:**

David B. Enabnit  
NOAA Office of Coast Survey  
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There is a compelling need to equip shipboard users and those ashore responsible for the safety and efficiency of shipping with modern, proven information tools. These tools must be optimized for good decision making in order to make navigation and communications more reliable and user friendly.

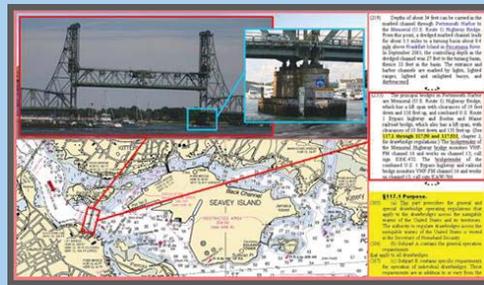


Image captured from the "GeoCoastPilot" showing approach to bridge in Portsmouth Harbor

This "Chart of the Future" workshop, organized as a roundtable discussion, will provide attendees an opportunity to identify requirements, problems, and opportunities for the next generation of electronic charts and the modern data from which they are built. The results will be used by NOAA and other nations' hydrographic offices, developers, and regulators to guide the evolution and deployment of an advanced marine information infrastructure.

Particular attention will be given to requirements, problems, and opportunities associated with the International Maritime Organization's E-Navigation initiative. E-navigation is intended to meet present and future user needs through harmonization of marine navigation systems and supporting shore services. Further, E-Navigation is intended to foster standardization on board and ashore, system compatibility, and to reduce complexity.



Example of a panoramic image for situational awareness in a 3D Chart-of-the-Future Display

Formal presentations will not be given. Instead, a moderated discussion among the attendees, hosted by NOAA, will explore chart needs, data needs, communications needs, human factor and training needs, system and support needs, shore-side needs, regulatory needs, decision making needs, and business needs on information tools. Attendees should be prepared to contribute their needs, opinions on what works and what doesn't, and ideas on how NOAA, Coast Guard, IHO and IMO should proceed to provide a modern marine information infrastructure.

*Pre-registration is not required. Registration at US Hydro is not required but is encouraged.*



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### Agenda

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**9:00 – 9:15 am**

Introduction and explanation of roundtable protocol

**9:15 – 9:30 am**

Brief demonstrations of experimental "Charts of the Future"

**9:30 – 11:00 am**

Discussion of planned topics in the following order:

- User Requirements on "Charts Of The Future"
- Data Needs
- Communications Needs
- Human Factor and Training Needs
- System and Support Needs
- Shore-Side needs
- Regulatory Needs
- Decision Making Needs
- Business Needs

**11:00 – 11:15 am**

Additional Brief Demonstrations of experimental "Charts of the Future"

**11:15 – 12:00 pm**

Additional discussion of planned topics