The conference will have a broad perspective, including discussions of the overall e-Navigation process as well as demonstrations of practical e-Navigation tests.

The conference aims to address the following topics:

- What are the implications of IMO’s e-Navigation strategy implementation plan?
- Who are the e-Navigation stakeholders and what are their roles?
- Harmonization of test bed methodology has previously been identified as a need. Has anything transpired?
- Update on existing and new e-Navigation test beds.

Information on both the e-Navigation Underway conferences 2011 and 2012 is available on:

www.e-navigation.net
TECHNICAL PROGRAMME

DAY 1 – E-NAVIGATION: THE BIG PICTURE
CHAIRMAN: OMAR FRITS ERIKSSON, DANISH MARITIME AUTHORITY

11:00 Check-in
12:00 Lunch in the Crown of Scandinavia conference center
13:00 The conference opens – Omar Frits Eriksson, conference chairman
Welcome and introduction – Andreas Nordseth, Danish Maritime Authority
13:30 Key Note address – Gary Prosser, Secretary General IALA
14:00 The IMO e-Navigation strategy implementation plan – John Erik Hagen, Chairman IMO e-Navigation working group
14:30 e-Navigation – a vision and its practical implementation – Andy Norris, FRIN FNI
15:00 Tell us what you want, and we will build it – Michael Rambaut, CIRM
15:30 Coffee break, cabins available. Baggage can be picked up in room 104
16:00 Ensuring competence – John Murray, ICS
16:30 The work of the IALA e-Navigation committee – Bill Cairns, IALA
17:00 The human element – David Patraiko, NI
17:30 A coordinated approach: Transitioning from traditional aids to e-Navigation – Mike Sollosi, Chairman IMO NAV
18:00 Making it work – Jeff Lantz, Chairman IMO Council
18:30 Snack sandwich in the conference area

DAY 2 – REPORTS FROM TEST BEDS AND RELATED TOPICS

THEME: TEST BEDS
SESSION CHAIRMAN: BILL CAIRNS, IALA

08:30 Introduction to day 2 – Omar Frits Eriksson, conference chairman
08:45 SmartOcean Ireland Innovation Cluster: Developing ICT solutions for the Global Marine Sector – Barbara Fogarty, National Centre for Sensor Research, Ireland
09:00 Tampa Bay Pilot e-Navigation test bed – Jorge Viso, American Pilots Association
09:20 Final results of the EfficienSea test bed: A platform to build upon – Thomas Christensen, Danish Maritime Authority
Enhanced Radar Positioning – Jens Kristian Jensen, Danish Maritime Authority
Communication for e-Navigation – results of the tests and measurements – Jerzy Zurek, Gdynia Maritime University
10:00 The National e-Navigation Strategy and e-Navigation test beds in the United States – Brian Tetreault, U.S. Army Corps of Engineers
10:15 Dynamic & Proactive Routing – Moving Maritime into the Digital Age – Ulf Svedberg, Swedish Maritime Administration
10:30 e-Navigation on the St. Lawrence River in Canada: Past, Present and Future – Gilles Ringuette, Canadian Coast Guard
10:45 Development of guidelines for usability evaluation of navigational equipment – Yasuyuki Niwa, National Maritime Research Institute
11:00 Coffee break – EfficienSea demonstration in room 104

THEME: OTHER ASPECTS OF E-NAVIGATION
SESSION CHAIRMAN: DAVID PATRAIKO, NAUTICAL INSTITUTE

11:30 Integrated data streams as information backbone of e-Navigation – Michael Bergman, Jeppesen
11:50 To be announced – To be announced
12:10 Portraying e-Navigation Information: Challenges and Opportunities – Lee Alexander, University of New Hampshire
12:30 Core elements of e-Navigation – Florian Motz, Fraunhofer, Institute for Communication, Information Processing and Ergonomics
12:45 e-Navigation seen from the Danish regulator perspective – Carsten Jensen, Danish Maritime Authority
13:00 Lunch (ends at 14:00)
13:30 EfficienSea demonstration in room 104

THEME: PNT AND COMMUNICATION
SESSION CHAIRMAN: ROLF ZETTERBERG, SWEDISH MARITIME ADMINISTRATION

14:00 ACCSEAS: Prototyping e-Navigation for the North Sea from the legacy of EfficienSea – George Shaw, General Lighthouse Authorities of UK & Ireland
14:30 Redundant Positioning as part of the Maritime Integrated PNT System Concept – Michael Hoppe, Federal Waterways and Shipping Administration
14:45 Communication for e-Navigation – Lars Brödje, Telemar Scandinavia
15:00 e-Navigation in practice with Iridium – Wouter Deknopper, Iridium
15:15 e-Navigation – the need for robust communications with tracking and monitoring – Guy Seay, Inmarsat
15:30 Coffee break – EfficienSea demonstration in room 104

THEME: OTHER ASPECTS OF E-NAVIGATION, TECHNICAL
SESSION CHAIRMAN: JON LEON ERVIK, NORWEGIAN COASTAL ADMINISTRATION

16:00 The use of dynamic charting overlays to assess underkeel clearances in real-time – Jonathon Pearce, OMC International
16:40 SAR and the unregulated e-Navigation user – Keith Oliver, HM Coast Guard
17:00 How satellite AIS can contribute to e-Navigation – Robert Tremlett, Exact Earth
17:15 LRIT in the context of e-Navigation – Sam Ryan, Canadian Coast Guard
17:30 Snack sandwich in the conference area