



e-Navigation Underway 2016

The IHO contribution to the implementation of the e-Navigation strategy

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What is the IHO ?

- Inter Governmental Organization
 - 85 Member States
- Responsible for coordinating the delivery of nautical charting services worldwide
- maintaining international standards for :
 - charts
 - nautical publications
 - Maritime Safety Information Services - MSI
 - moving HO's to a digital world



My view of e-Navigation – what is it ?

- it is a strategy = a concept
- in effect - the “maritime intranet”
 - enabling a digital maritime information environment
 - to do things easier
 - more cost effectively
 - more efficiently



- its implementation will be continuous, iterative and evolutionary
- e-Nav is inevitable and unstoppable ...



where is e-Navigation today ?

- 2005 - the e-Nav proposal
- ⇒ ongoing - developing the guiding principles
- ⇒ ongoing - test beds
- ⇒ ongoing - international coordination and support to deliver e-Nav services
- ⇒ ongoing - increasing number of on-line and digital information services

e-Nav is already here NOW !



What is the IHO doing to assist the implementation of e-Navigation ?

- providing global ENC coverage
- HO's developing digital, web-based services
- providing the baseline data exchange standard for e-Nav
 - IHO S-100

... the IHO would be doing all this anyway !!!



IHO support for S-100

- providing a dedicated S-100 help-desk officer
- providing the S-100 registry
- collaborating with prospective e-Nav data providers, integrators and system suppliers
 - IGOs, NGOs, Countries, Industry, Academia,
 - topics: ice forecasts, weather information, vessel reporting, MSI, nautical information, dynamic tides, currents and weather, port information,





- e-Nav is already happening - and is unstoppable !
- the IHO is an active part of the coordination mechanisms