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