

International Chamber of Shipping

E-Navigation Underway 2013

Peter Hinchliffe
Secretary General



E-Navigation Underway 2013

We become not a melting pot but a beautiful mosaic. Different people, different beliefs, different yearnings, different hopes, different dreams.

US President Jimmy Carter

A different world cannot be built by indifferent people.

Peter Marshall



E-Navigation Stakeholders

- ➔ IMO
- ➔ IALA
- ➔ National Administrations
- ➔ Electronic Industry
- ➔ Research Institutions
- ➔ (ICS) International Shipping Industry



The Shape of E-Navigation?

- Architecture
- Technology
- Performance Standards
- Type Approval
- Carriage requirements



E-Navigation Ship/Shore Interface



E-Navigation

ECDIS

- Industry input
- Unexpected anomalies
- Training
- Standardisation



E-Navigation Training

- STCW Functional requirements
- E-Navigation Module
- Training shore-based operators



E-Navigation Sustainability

- People
- Profit
- Planet



- Is it Global?
- Is it Ship & Shore?

E-Navigation

*“Navigating more safely
..... together”*

