



*International Association of Marine Aids to
Navigation and Lighthouse Authorities
Association Internationale de Signalisation Maritime*

Future of Aids to Navigation

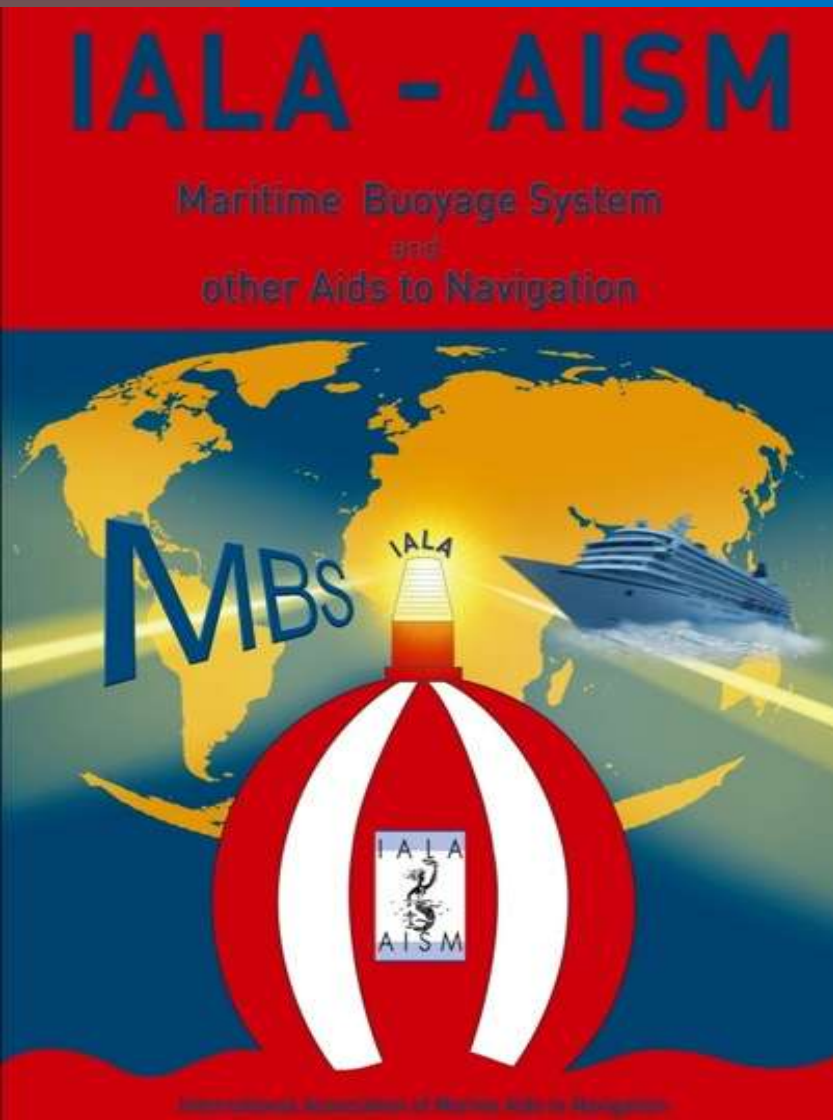
*IALA - Past, Present and
Future?*

Outline

- Past
 - Evolution of IALA
 - Key milestones
- Present
 - Current work programme of IALA
 - Challenges/developments
- Future direction of IALA?



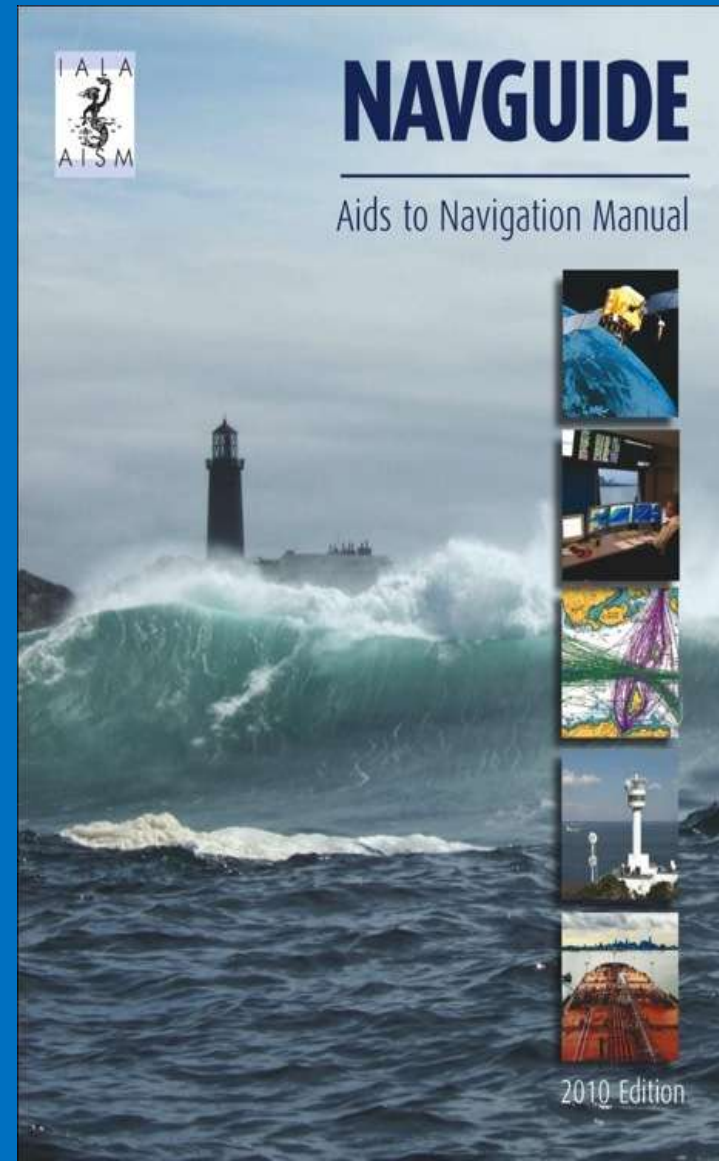
International Harmonisation



- International Technical Association (1957)
- Worldwide membership
- Maritime Buoyage System
- Strong collaboration with IMO and IHO

Key Milestones

- *Recommendations, Guidelines and other tools, for example:*
- Vessel Traffic Services (VTS)
- Differential GPS (DGPS)
- Automatic Identification System (AIS)
- IALA Risk Management toolbox (IWRAP/PAWSA)
- *IALA World-Wide Academy (WWA)*

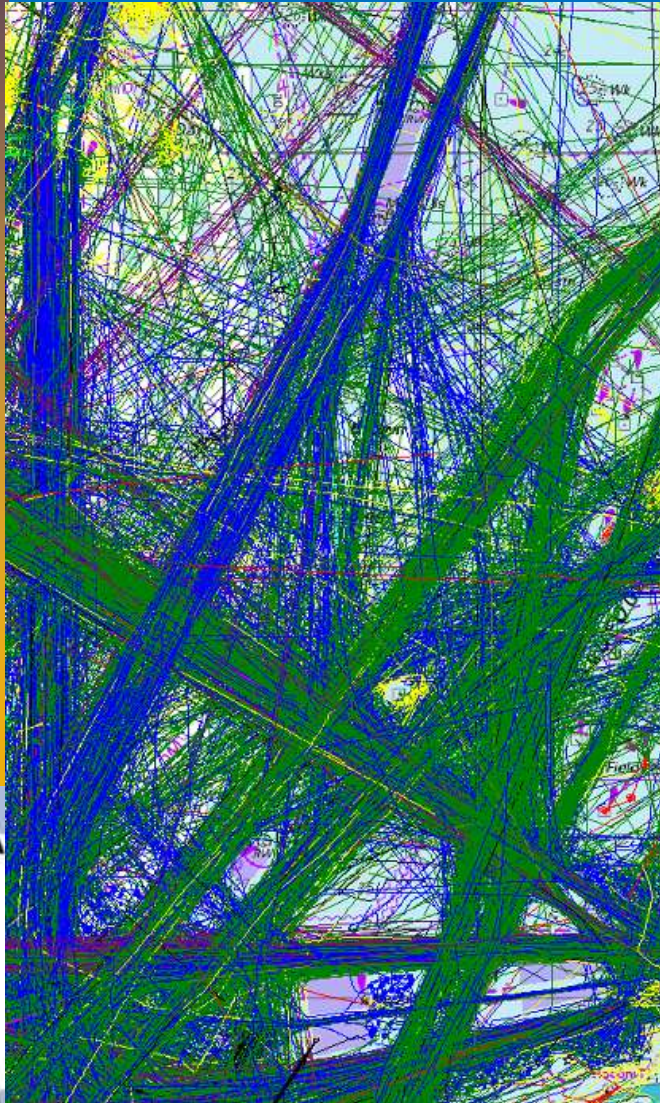


Aids to Navigation are changing



- ◆ Growth in maritime sector
- ◆ Marine spatial planning issues
- ◆ eNAV (IMO/IALA)
- ◆ Growth in VTS
- ◆ Calls for more positive control in some areas

ITALIA
AISM





The challenge for the Maritime Industry

‘Calls for sea traffic control centres
following casualty

Monday 23 January 2012, 15:08 SHIP
OPERATIONS

SEA traffic control centres, similar to
ones used in aviation to monitor flights,
could have prevented the Costa
Concordia disaster by Craig
Eason LLOYD’S LIST’

Call for sea traffic control centres

International Developments





International Developments



Related projects

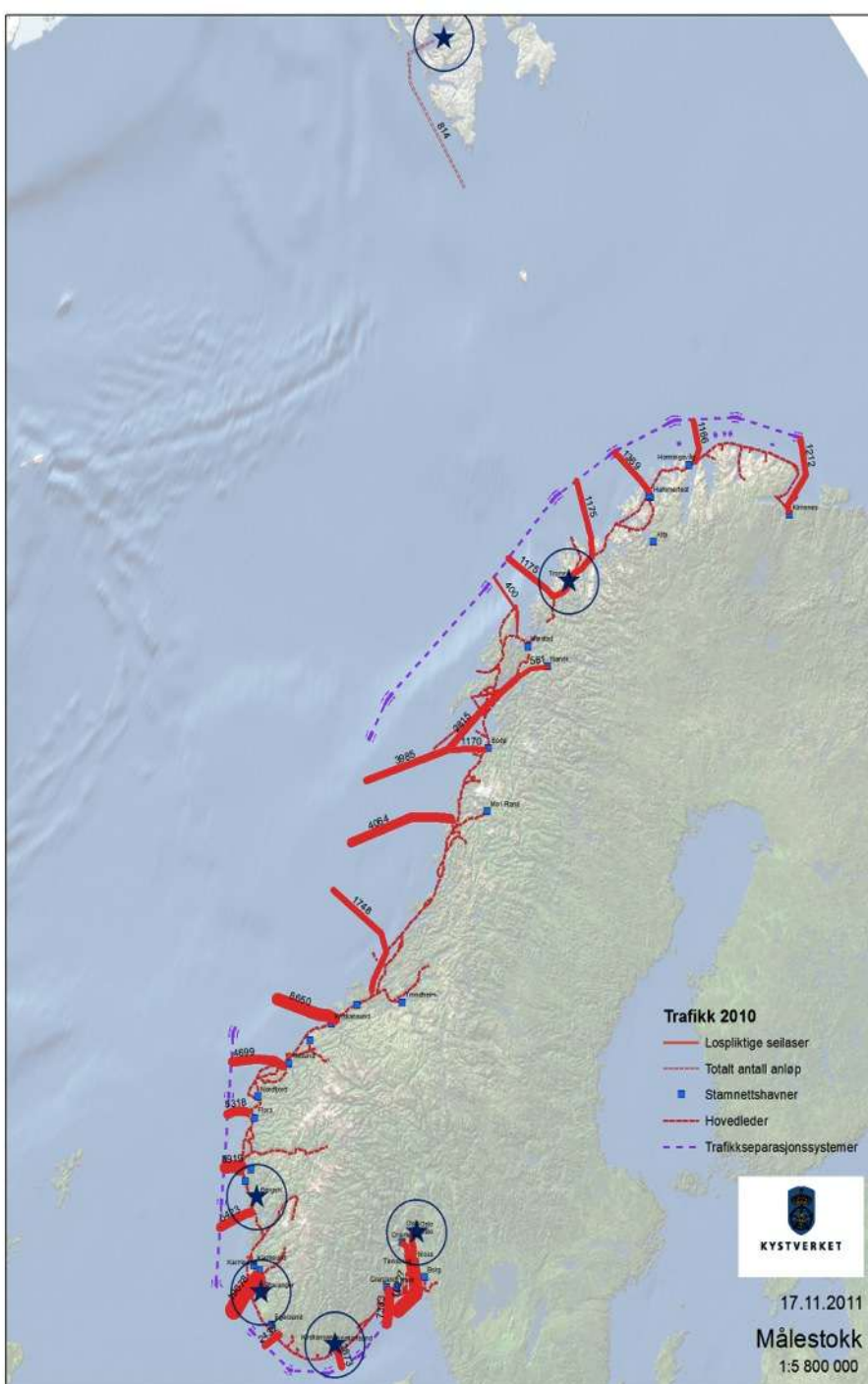
- MONALisa
- Marine Electronic Highway (MEH) Malacca Straits
- EfficienSEA, Baltic Sea
- European Commission 'ACCSEAS' project
- Norway's planned coastal network of MEH's
- Australia's ReefVTS and NW Shelf projects



International Developments

Marine Electronic Highways in Norway

- ◆ Norwegian policy influenced by the IMO e-navigation development.
- ◆ The Norwegian Green Paper on National Transport Plan 2014-2023 proposes the establishment of Norwegian Marine Electronic Highways for the main fairways.



Future direction for IALA?

- ◆ Continuing role in International harmonisation
- ◆ Technical Association
- ◆ Development of 'best practice' Guidelines and Recommendations
- ◆ Assist shore authorities with implementation
- ◆ Future Research and Development





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IALA - AISM
website - <http://www.iala-aism.org>

*Preserving the past and looking to
the future for Marine Aids to
Navigation...*