# iala-aism

### IALA Report to HSSC7

## Presentation supporting HSSC7-07.6A

#### November 2015 - Korea



Dr Edward Hosken IALA ENAV WG1 Chair

#### **ENAV Committee**

- ★ ENAV16 met in Paris 20<sup>th</sup> 24<sup>th</sup> April 2015
- ★ ENAV17 met in Brest 26<sup>th</sup> 30<sup>th</sup> October 2015
- WG 1 Harmonization

Edward Hosken

WG 2 Implementation Mahesh Alimchandani

- WG 3 Telecommunications Peggy Browning
- ★ WG 4 E-Nav Services
- WG5 PNT

Jon Leon Ervik

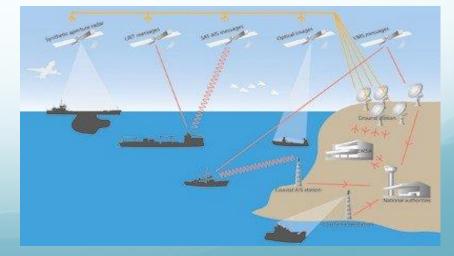
Alan Grant



#### WG1 - Harmonization

- PUIs Persistent Unique Identifiers (List of Lights numbering)
  - Principles extended beyond lights to wider e-navigation requirements
  - ENAV17 proposal for Maritime Resource Name scheme based on Uniform Resource Identifier principles (hierarchical name spaces)
- S-200 drafts of S-201 and S-240 finalised
  - Review and approval of first product specifications is testing the domain management procedures
- Maritime Cloud Seminar 30 Nov 3 Dec: Sweden
  - Maritime Digital Infrastructures & Testbeds

More details and registration on www.iala-aism.org





#### WG1 - Harmonization

- Service Orientation of S-100
  - S-100 is currently dataset centric
  - Not compatible with data-streaming services eg. VTS data exchange (AIS); real-time applications (S-111; S-112)
  - Metadata part of S-100 requires enhancement to support development of e-Navigation services (MSPs)
  - IALA meeting being planned for Feb 2016 in NL Assistance required from data streaming experts



#### WG2 - Implementation

- Maintain a global repository for test-bed results
  - Improvements to e-navigation.net
- Develop IALA e-Navigation roadmap

#### WG4 – E-Nav Services

 Develop a broader description of each MSP to facilitate further technical development



Request liaison with IHO on MSP5 – MSI (services)

#### **IALA Product Specifications**

PS No.	Title	Status
S-201	Aids to Navigation Information	Draft completed
S-210	Inter VTS Exchange Format	Under development
S-230	Application Specific Messages	Planned
S-240	DGNSS Station Almanac	Draft completed
S-245	eLoran ASF Data	Under development
S-246	eLoran Station Almanac	Planned



#### Conclusion

 IALA is active in the wider use of S-100 within the S-200 domain, but use of S-100 in wider support of enavigation services is limited due to the current dataset focus of S-100

- Recommendation
  - S-100 should be developed to support data services



#### Conclusion

- HSSC is invited to:
  - a. note for information the S-200 work within IALA
  - b. note opportunity to attend the IALA workshop on Maritime Digital Infrastructures and Test-beds
  - c. endorse the need to develop S-100 to support data streaming
  - d. decide on appropriate action to ensure that S-100 supports the development of e-navigation
  - e. advise IALA on plans to make the recommended changes to S-100
  - f. Note opportunity to contribute to IALA meeting on data streaming enhancement to S-100

