



Input paper for the following Committee(s):

- ☐ ARM
 ☐ ENG
 ☒ **PAP**
- ☐ ENAV
 ☐ VTS

Purpose of paper:

- ☒ **Input**
- ☐ Information

Agenda item

7.3 – Conclusions of the IALA Seminar on Maritime Digital Infrastructure and Testbeds

Author(s) / Submitter(s)

Secretariat

Seminar Conclusions

1. BACKGROUND

IALA hold a Seminar on Maritime Digital Infrastructure and Testbeds in Gothenburg, Sweden, in November 2015.

The full Seminar report is available at

<http://www.iala-aism.org/products/publications/352509343/seminar-on-maritime-digital-infrastructures-and-testbeds>.

2. DETAILS

The Seminar reached the following Conclusions:

1. Adoption of e-navigation and the use of maritime digital infrastructure is dependent on sound business cases with clear tangible benefits.
2. IALA should consider establishing a collaboration forum across the maritime domain including other IGOs, NGOs and industry to ensure the harmonised implementation of e-navigation.
3. There is merit in local and regional implementation as a means to obtain global acceptance of e-navigation solutions.
4. A coordinated, decentralised approach could be used for information sharing and service interaction between different domains. A federated approach to achieve this was considered at the seminar.
5. The Maritime Architecture Framework methodology can be useful for visualising different perspectives and their interrelationships in the maritime domain and e-navigation.
6. There is a compelling need for universal identification of actors and information objects, etc. to enable interoperability to exchange information.
7. Cyber security issues need to be addressed in the maritime digital infrastructure.
8. The IALA ENAV Committee could consider applying the hypothesis-driven validation methodology when assessing testbed results.
9. Increased visibility of the themes which are being addressed in testbeds and establishment of special interest groups may enhance collaboration across testbeds.

3. ACTION REQUESTED

PAP is requested to consider the Seminar Conclusions.