

IALA COUNCIL
64th session



13-16 June 2017
Incheon
Republic of Korea

11 – TECHNICAL ACTIVITIES

11.5 – e-Navigation Underway

11.5.2 – e-Navigation Underway International

Note by the Secretariat on e-Navigation Underway International 2017 Conference

1. BACKGROUND

The seventh e-Navigation Underway International conference was held from 31st January to 2nd February 2017 on board the DFDS ferry M/S PEARL SEAWAYS, during which time she sailed from Copenhagen to Oslo and then returned to Copenhagen. The theme for the conference was e-Navigation: A Showcase of Progress and Trends. The conference was attended by 154 delegates, representing 28 countries and 8 international organisations. The associated exhibition attracted 11 exhibitors, displaying the latest developments in e-navigation.

A series of 28 presentations were given under the broad headings of general perspectives, a cluster of e-navigation projects, a selection of test beds, user perspectives, and specific technical solutions.

2. SUPPORTING DOCUMENTS

The presentations from the sessions are provided on the IALA web site at <http://www.iala-aism.org/products-projects/e-navigation/e-nav-underway/international-e-navigation-underway-2017/>.

3. DISCUSSION

Following welcoming remarks from the conference chairman, Omar Frits Eriksson, and opening addresses from Francis Zachariae, Secretary-General of IALA, Troels Blicher Danielsen, Deputy Director General the Danish Maritime Authority and Kwang-yeol Park, Director General of the Ministry of Ocean and Fisheries in Korea, the key note speech was given by Mr Michael Bergmann, President of CIRM.

The Maritime Cloud concept was seen to be accepted and discussions were progressed on its implementation and management.

It was argued that e-Navigation is a concept not a box that can be purchased. The essence of e-navigation is that any supplier's equipment should be able to work interoperably with any other supplier's equipment. Considering the implementation of e-navigation, it was felt that "you cannot implement music and likewise you cannot implement e-navigation" – you can supply a song and you can supply an e-navigation service. e-navigation is already established and operating, demonstrating that the business case for the available services has already been made and accepted. The benefits of e-navigation are evident through the benefits of the services provided.

4. HIGHLIGHTS

The conference generated five highlights:

- 1 There is a need to identify reliable business cases for e-navigation addressing the interests of various maritime stakeholders.



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- 2 At least one national authority is considering e-navigation to address autonomous shipping in its coastal waters.
- 3 Cyber security continues to be an issue that needs to be addressed within e-navigation.
- 4 The list of 16 MSPs in the e-Navigation Strategy Implementation Plan requires further refinement and should be considered by all organisations involved including the IMO/IHO Harmonization Group on Data Modelling.
- 5 The Maritime Cloud requires a sound business case including cyber security, ownership and governance.

5. INVITATIONS TO OTHER EVENTS

An invitation was issued to the 2017 e-Navigation Underway (North America) Conference to be held at the Sheraton Hotel, St. John's, Newfoundland, from 16th to 18th October 2017 in conjunction with the 2017 Ocean Innovation Conference. An invitation was issued to the first e-Navigation Underway – Asia-Pacific 2017 conference to be held at Jeju Island, Republic of Korea, from 18th to 20th June 2017.

6. THE COUNCIL IS REQUESTED TO

Note the outcome of the conference and to consider the highlights in relation to the work of IALA.