



8 – 10 April 2019

WORKSHOP ON INITIAL OPERATING CAPABILITY (IOC) PHASE FOR E-NAVIGATION SERVICES

Singapore

InterContinental Singapore



The International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) in association with the Maritime and Port Authority of Singapore (MPA) is hosting a Workshop on the **Initial Operating Capability (IOC) phase for e-Navigation Services** in Singapore, from the 8 to 10 April 2019 in conjunction with the Singapore Maritime Week 2019. The working language for the workshop will be English.

BACKGROUND

IMO defines e-navigation (e-NAV) as “the harmonised collection, integration, exchange, presentation, and analysis of marine information on board and ashore by electronic means to enhance berth to berth navigation and related services for safety and security at sea and protection of the marine environment”.

Recognising the significance of e-NAV in shaping the future of the maritime industry, in particular digital maritime services, Singapore, a recently elected member of the IALA Council, is committed to contributing actively to the on-going e-NAV work. As a leading global hub port and international maritime centre, Singapore is an ideal venue for a workshop on e-NAV. The MPA, as Singapore’s Port Authority, Port Planner, IMC Champion and National Maritime Representative, is responsible for driving e-NAV research, development and innovation.

PURPOSE

To identify options to operationalise e-navigation solutions.

GOALS

1. Develop the process to operationalise Maritime Services (i.e. Maritime Services 1 and 8).
2. Identify the best approach to develop and implement technical services to ensure Maritime Services can be transferred through communication networks.
3. Develop a project framework to demonstrate the transfer of data from maritime services over VDES.

OBJECTIVE

This IALA e-NAV workshop aims to achieve the following:

- a shared understanding of the short-term goals of e-NAV, especially in the areas of harmonization;
- Take stock of the on-going efforts, e.g. SESAME Straits, STM/ EfficienSEA, SMART/eMIR, and identify gaps and challenges to allow the community to achieve interoperability; and
- Develop a work programme to achieve an Initial Operating Capability (IOC) phase for selected e-NAV services.

PROCESS

Three-Day workshop

Day 1

- Introduction and key note speeches;
- Presentations on test bed projects, e-NAV standards and harmonization;
- Updates and sharing of challenges being faced in the development and implementation of solutions, and other issues that have to be addressed to achieve an IOC for selected e-NAV services.

Day 2

- Project Groups discussion

Day 3

- Finalisation and adoption of the workshop conclusions and recommendations;
- Technical tour at the MPA Maritime Innovation Lab and Port Operations Command Centre.

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www.iala-aism.org

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



ATTENDEES

The workshop will provide a forum for discussion between stakeholder groups. It is envisaged that the workshop will be attended by representatives of:

- IALA's members
- IALA Sister Organisations, especially those involved in marine navigation, port management and e-NAV
- E-NAV testbed coordinating bodies
- Key industry stakeholders such as data providers / modellers, Classification Societies and shipping owners

Workshop participants will also have the opportunity to participate in other events during the Singapore Maritime Week 2019.

REGISTRATION FEE

Registration for the workshop including workshop material, lunches, coffee breaks and social events, is free of charge.

VENUE

The IALA Workshop will be held at the **InterContinental Singapore (80 Middle Road, Singapore 188966)**.

Intercontinental Singapore is a luxury landmark set in the heart of a historic precinct deeply rooted in the heritage of the arts and cultural districts of Bugis and Bras Basah. With state-of-the-art facilities and elegantly-appointed spaces with natural daylight, the hotel is one of the top choices for meeting planners in Asia.

Drawing on the city's rich heritage and multifaceted culture inspired by the surrounding locale, the 403-guestroom hotel exudes a residential charm that harmoniously marries luxury and elegance with hints of locality. Hotel facilities include a Peranakan-inspired Club Intercontinental Lounge, a lobby lounge, a bar, three restaurants serving European, Chinese and Japanese cuisines; a swimming pool and 24-hour fitness centre, room service, laundry and valet.

More information can be found at <https://singapore.intercontinental.com>

HOTEL ACCOMODATION

Delegates are responsible for reservation of their own accommodation. Please request, through IALA Secretariat, for further instructions to access preferential guest-room rates arranged by MPA Singapore.

Official partners

1. Intercontinental Singapore

Event venue partner for IALA-MPA e-Navigation Workshop
5 Star
Address: 80 Middle Road, Singapore 188966
Telephone: +65 6338 7600
Preferential rate from **S\$295 ++** per night (incl. breakfast)
Website: <https://singapore.intercontinental.com>

2. Swissotel The Stamford

5 Star
Address: 2 Stamford Road, Singapore 178882
Telephone: +65 6338 8585
Preferential rate from **S\$280 ++** per night (incl. breakfast)
Website: <https://www.swissotel.com/hotels/singapore-stamford>

3. Mandarin Oriental Singapore

5 Star
Address: 5 Raffles Ave, Marina Square, Singapore 039797
Telephone: +65 6338 0066
Preferential rate from **S\$350 ++** per night (incl. breakfast)
Website: <https://www.mandarinoriental.com/singapore/marina-bay/luxury-hotel>

Other options in the vicinity

4. Marina Mandarin Singapore

5 star
Address: 6 Raffles Boulevard, Singapore 039594
Telephone: +65 6845 1188
Web rate from S\$291 ++ per night (excl. breakfast)
Website: <https://www.meritushotel.com/marina-mandarin-singapore/index.html>

5. Pan Pacific Singapore

5 star
Address: 7 Raffles Boulevard, Marina Square Singapore 039595
Telephone +65 6336 8111
Web rate from S\$383 ++ per night (incl. Breakfast)
Website: <https://www.panpacific.com/en/hotels-and-resorts/pp-marina.html>

Subject to changes. Information correct as of 20 December 2018.



PROGRAMME

DAY 1 - Monday 8 April 2019

09:00 – 10:00	Registration	
10:00 – 11:15	Session 1	Opening and keynote addresses
11:15 – 11:45	Tea / coffee break	
11:45 – 13:25	Session 2	Presentations by expert speakers
13:25 – 14:25	Lunch	
14:25 – 15:45	Session 2 continued	Presentations by expert speakers
15:45 – 16:15	Group photo and tea / coffee break	
16:15 – 17:00	Session 3	Goals and objectives of the workshop
18:00 – 20:00	Welcome dinner	

DAY 2 - Tuesday 9 April 2019

09:00 - 10:30	Session 4	Project Group 1: Maritime Service 1 Project Group 2: Maritime Service 8 Project Group 3: Communication networks
10:30 – 11:00	Tea / coffee break	
11:00 – 12:30	Session 4 continued	
12:30 – 14:00	Lunch	
14:00 – 15:30	Session 4 continued	
15:30 – 16:00	Tea / coffee break	
16:00 – 17:00	Session 4 continued	WG Conclusions and report

DAY 3 - Wednesday 10 April 2019

09:00 – 10:30	Session 5	Reports from Working Groups
10:30 – 11:00	Tea / coffee break	
11:00 – 12:00	Session 6	Conclusions and closing
12:00 – 13:00	Lunch	
13:00 – 15:00	Session 7	Technical Tour to MPA Maritime Innovation Lab and Port Operations Command Centre



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REGISTRATION FORM

Workshop on Initial Operating Capability (IOC) phase for e-Navigation Services

8 – 10 April 2019

InterContinental Singapore



Participant's details

Surname (family name): -----

First name (given name): -----

Title (Mr. /Mrs. /Dr., etc.): -----

Organisation or company: -----

Address: -----

Country: -----

Phone (incl. country code): -----

Mobile (incl. country code): -----

E-mail: -----

Dietary requirements (please specify):

I agree to my contact details being provided in the final report of the workshop:

Yes No

I need an invitation letter for visa purposes:

Yes No

I will be accompanied by:

Other requirements (please specify):

CANCELLATION POLICY

All cancellations must be sent by e-mail to secgen@iala-aism.org

Name changes will be accepted.