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Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **□** ENG **□** PAP **🗹** Input

**🗹** ENAV **□** VTS **□** Information

Agenda item [[2]](#footnote-2) 3

Technical Domain / Task Number 2 …………………………………

Author(s) / Submitter(s) …………………………………

PROPOSED E-NAVIGATION COMMITTEE MEETING AND WORKSHOP IN SINGAPORE

# Summary

The Maritime and Port Authority of Singapore (MPA) offers to host the 23rd session of the e-Navigation Information Services and Communications (ENAV23) committee meeting and co-organise a three-day e-Navigation workshop with IALA in Singapore. In accordance with IALA’s administrative guidelines, MPA submits this proposal paper for endorsement at the ENAV22 meeting.

The proposed dates of the two events are as follows:

* **1 to 5 Apr 2019** – ENAV23 Meeting (5 days)
* **8 to 10 Apr 2019** – ENAV Workshop (3 days) in conjunction with Singapore Maritime Week 2019 from 6 to 12 Apr 2019

## Purpose of the document

This paper seeks the ENAV Committee’s agreement for MPA’s proposal to host the ENAV23 committee meeting and an IALA e-Navigation workshop in Singapore in April 2019. Pending the Committee’s agreement, the paper will be submitted to the IALA Council for approval in Dec 2018.

## Related documents

There are no related documents.

# Background and discussion

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 importance and significance of e-NAV in shaping the future of the maritime industry, Singapore is committed to actively contributing to the on-going e-NAV work as a recently elected member of the IALA council. As a premier global hub port and leading international maritime centre, Singapore would be a suitable venue for IALA’s ENAV Committee meeting. 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 efforts.

The MPA is keen to host the 23rd session of the e-Navigation Information Services and Communications (ENAV23) committee meeting, and co-organise a three-day e-NAV workshop with IALA in Singapore. These two key platforms will bring together all interested parties to discuss, share and deliberate on e-NAV research and development, technology demonstrations and implementation programmes. Through these activities, Singapore seeks to help foster the development of capabilities and capacities in support of IALA’s e-NAV work programme.

ENAV23

Singapore, as host, would like to take the opportunity to share with the meeting its research, development and deployment efforts for a Next Generation Vessel Traffic Management System (NGVTMS), with e-NAV as one of its core capabilities. MPA will arrange for our local e-NAV partners and stakeholders to share the results and findings of research and development projects done in Singapore. At the global level, it is also critical that developed e-NAV solutions be progressively rolled-out for testing so it is envisaged that as part of the ENAV23 meeting agenda, the committee could discuss on a supporting work programme to realise this goal.

IALA e-NAV Workshop

The purpose of the three-day workshop to be co-organised by MPA and IALA is to discuss the technical and operational details of a supporting work programme (endorsed by the ENAV Committee) aimed at achieving an Initial Operating Capability (IOC) phase for e-NAV services. We envisage the workshop participants taking stock of on-going e-NAV efforts, identifying gaps and challenges, defining the IOC objectives, and identifying the capabilities and tasks needed to implement the IOC. This workshop also aims to develop greater collaboration and capabilities among the interested parties and stakeholders as they come together to discuss, share and deliberate on e-NAV challenges, research and development, and the implementation plan. The proposed e-NAV workshop would be an ideal platform for open conversations and in-depth discussions. As part of the workshop programme, MPA plans to organise a visit to the MPA Maritime Innovation Lab for participants to understand Singapore’s NGVTMS project in greater detail.

Singapore Maritime Week

The proposed ENAV23 meeting (1 – 5 Apr) and IALA e-NAV workshop (8 to 10 Apr) have been planned to coincide with the Singapore Maritime Week 2019 (SMW 2019) from 6 to 12 Apr 2019. This would benefit attendees by allowing them to also participate in a major international maritime event, and network with over 40,000 international and local delegates comprising industry leaders, government officials, and academia.

Further details of the proposal can be found in **Annex 1**.

# References

Nil

# Action requested of the Committee

The Committee is requested to agree on the proposal to organise the 23rd ENAV committee meeting and the IALA e-Navigation workshop in Singapore in April 2019, as outlined in the paper.

**ANNEX 1: PROPOSAL E-NAVIGATION COMMITTEE MEETING AND WORKSHOP IN SINGAPORE**

**Vision**

Develop capabilities and capacities in accordance to IMO’s Strategic Implementation Plan for the Five Prioritised e-Navigation Solutions.

**Proposal**

For Singapore to host the 23rd session of the ENAV Working committee meeting, followed by a three-day IALA e-NAV workshop in April 2019.

**Goals**

The 23rd ENAV Committee meeting will take forward the recommendations from the 22nd ENAV Committee Meeting and continue the e-NAV development work in accordance with the IALA work programme for 2018-2022.

The IALA e-NAV workshop aims to achieve the following goals:

* Achieve a common understanding on immediate e-NAV goals, especially in the areas of standardization and harmonization;
* Take stock of the on-going efforts and identify gaps and challenges that may prevent the e-NAV community from achieving these goals; and
* Develop a supporting work programme that aims to achieve an Initial Operating Capability (IOC) phase for selected e-NAV services.

**Who**

IALA Council Members

IALA National Members

IALA Industrial Members

IALA Sister Organisations

**Size of Group**

Approximately 100 persons for the IALA e-NAV Committee meeting;

Up to 80 persons for IALA e-NAV workshop.

**Where**

In Singapore, hosted by the Maritime and Port Authority of Singapore.

**Duration**

5 Days for ENAV23 Committee Meeting; and

3 Days for IALA e-NAV Workshop.

**When**

1 to 5 Apr 2019 – ENAV23 Meeting

8 to 10 Apr 2019 – IALA e-NAV Workshop (*during Singapore Maritime Week – 6 to 12 April*)

**Cost to Participants**

No registration fee for either the meeting or e-NAV workshop. Participants will bear their own travel and accommodation expenses.

**Process**

***ENAV23 Committee Meeting***

Day 1 – Chairman’s meeting and Plenary Session

Day 2-4 – Respective working group meetings

Day 5 – Plenary to review output papers and closing

***IALA e-NAV Workshop***

Day 1 – Welcome remarks by IALA and MPA, 2 keynote speeches, presentations on test bed projects, e-NAV Standards and Harmonisation (e.g. common maritime data structure, IHO S-100, S-200, digital maritime services).

Day 2 – Updates and sharing of challenges facing e-NAV development and implementation (by working groups), issues that have to be addressed to achieve an IOC for selected e-NAV services (e.g. MSP 1, 2, 3 & 5) and develop a supporting work programme to achieve an initial operating phase.

Day 3 – Finalisation and adoption of the workshop report and recommendations, followed by a technical tour at the MPA Maritime Innovation Lab.

**Steering Committee**

Proposed composition of the steering committee for the committee meeting/workshop is as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Appointment | Organisation | Name | Designation |
| Chairman | MPA | Capt M Segar | Assistant Chief Executive (Operations) |
| Co-chair | IALA | To be nominated |  |
| Member | MPA | Mr David Foo | Director (Port Systems) |
| Member | ICS | To be nominated |  |
| Member | BIMCO | To be nominated |  |
| Member | CIRM | To be nominated |  |
| Secretariat | MPA and IALA | Mr Tang Wey Lin  To be nominated | Deputy Director (Port Systems 2) |

Steering committee meetings are expected to be conducted via electronic means, with physical meetings held only where necessary.

**Issues for Steering Committee Deliberation**

1. Programme structure, and format
2. Speaker invitations, including Guest-of-Honour and/or special invitees
3. Moderators
4. Submission deadline for papers/presentations materials
5. Media coverage
6. Event budget

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)