Input paper: [[1]](#footnote-1) ARM10-3.4

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

**x** ARM **□** ENG **□** PAP **X** Input

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

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

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

Author(s) / Submitter(s) IALA Secretariat

IALA Workshop on Cyber Security

# Summary

A cross-committee workshop on cyber security will be held in Quebec, Canada during the week of the 26 October 2020. A Steering Committee has been established involving representatives from all four technical committees.

## Purpose of the document

This paper requests feedback with respect to the desired themes/outputs and associated aims/objectives for potential working groups from each technical committee to influence the structure and programme of the workshop.

# Discussion

## The Steering Committee consider that the workshop may be split into working groups related to different technologies and themes. It was considered that this may be a suitable solution to maximise the use of the expertise available and also to share expertise in a cross-committee manner. To enable the effective preparation of the workshop through the identification of possible themes and outputs it is necessary to receive feedback from all technical committees with respect to:

## The possible themes and desired outputs from the workshop related to the committees area of expertise; and

* The associated aims of objectives of possible working groups.

# Action requested of the Committee

The Committee is requested to:

1. Provide feedback to the workshop Steering Committee with respect to the themes, outputs, aims and objectives for the forthcoming IALA workshop on cyber security.
2. Identify provisional levels of interest amongst Committee participants in attending the workshop.

Annex 1 council approved workshop proposal

|  |  |
| --- | --- |
| **Vision** | **CYBER SECURITY** |
| **Proposal** | Workshop on the increased threat to cyber security and how it affects operation of AtoN, the potential threats to e-navigation and the impact on maritime safety in general. |
| **Purpose** | * Knowledge sharing and development; * Update IALA on cyber security threats; * Update IALA guidance on improvements in cyber security protection measures; * Form a strategy for combatting cyber security threats in the provision of AtoN. |
| **Possible Topics** | * Cyber security update – latest trends and threats; * Potential threats to the security of AtoN systems; * Impacts of cyber security on positioning; * Presentations on real case scenarios; * Technology and protection against cyber security; * A look at cyber security issues in other transport sectors; * Education & training of personnel; * Review ISO 27000 & IMO FAL.6/CIRC016; * Consider cyber security concerns regarding delivery of Digital Services. |
| **Outcomes** | * Guideline on the Considerations for Cyber Security in the provision of Marine Aids to Navigation. |
| **Goals** | * Understand the types of cyber security threats and how they may impact provision of AtoN services; * Understand the role and importance of cyber security in development of systems that are dependent on the transmission and use of data; * Sharing of cyber security threats and analysis of actual incidents; * Lessons learnt from cyber security in other industries. |
| **Who** | The workshop will provide a forum for discussion between stakeholder groups. It is envisaged that invitations will be sent to:   * IALA National Members; * IALA Industrial Members; * Other stakeholders as identified by the steering group. |
| **Size of Group** | It is expected that the Workshop will attract a group of up to 70 - 100 persons. |
| **Where** | Quebec, Canada. |
| **Duration** | 4 days, to be reviewed following development of the technical programme. |
| **When** | Week of 26 October 2020. |
| **Cost to Participants** | 650 Euros (TBC). |
| **Process** | Four Day Workshop  Day 1 – Introduction, Key note speech, Presentations (half day)  Day 2 – Presentations  Day 3 – Working groups  Day 4 – Working groups & draft document  Day 5 – Finalize document and Conclusion (half day) |
| **Steering Committee** | Proposed Steering Committee for the Workshop:  Chairman: ENG or ARM  1 Representative from each of the 4 IALA Committees  IALA Deputy Secretary General  IALA Technical Operations Manager  Host Nation Representative  IALA Technical Secretary |

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