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

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

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Future Digital Communications – Draft Strategy

# Summary

This document has been prepared as part of IALA’s contribution to the EU funded Horizon 2020 EfficienSea 2 Project. It is intended to provide a basis for discussion on creating a Future Digital Communications Strategy, building on the IALA Marine Radio Communications Plan.

## Purpose of the document

The Committee is invited to consider the contents of this document in preparing a Future Digital Communications Strategy.

## Related documents

ENAV20-11.11.1 E2 D1.10 -Strategy for Future Digital Communications.

# Background

This draft strategy has been prepared as part of IALA’s contribution to the EfficienSea 2 project. It draws on a study, originally prepared for the GLA and submitted to an earlier ENAV meeting.

# Discussion

The e-Navigation concept will increase the efficiency, safety and security of voyage planning and information in the maritime sector. e-Navigation is dependent on applications which provide mariners with the data they need in a more secure and efficient manner. These applications require communication technologies that can provide the necessary capacity for bidirectional ship-ship and ship-shore, including ship-satellite communication.

The vision for digital communications in the maritime environment is:

Secure, effective, seamless communications to support maritime applications.

To achieve the vision, four core strategic challenges have been identified:

1. Assessing operational requirements

2. Ensuring existing and developing digital maritime communications technologies interact effectively and seamlessly

3. Evaluating the suitability of different technologies to address the requirements

4. Providing communication options and implementing infrastructure to support digital maritime communications.

A number of response actions will need to be undertaken to address these core strategic challenges and these are set out in this paper.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Input papers should be assigned to a work task as listed in the Committee work plan which is available in input papers. Leave open if uncertain but consider how the paper is to be processed if not relevant to a work task [↑](#footnote-ref-2)