**Input paper:** MASS TF4-x.x

draft roadmap for iala mass guideline development

# Summary

This document provides the draft roadmap for the development of IALA guidelines on MASS. The TF is invited to consider and finalize the draft roadmap.

# background

IALA established a MASS Task Force (TF) under the auspices of the Policy Advisory Panel. The group meets periodically to discuss MASS developments, study national and regional MASS projects and progress MASS related work across the IALA technical committees.

The development of MASS will bring about change to shipping, port operations and the safety of navigation. It is important to assess and discuss its impact on IALA related services at an early stage of its development. IALA has been monitoring the development of MASS, and some work on guidance documents have been initiated.

# considerations in developing the draft roadmap

To develop a plan, a common understanding on the development of MASS is necessary, in particular the prospect of technological development and legal aspects. This roadmap could help to provide the members with a way forward in respect to the IALA MASS guideline.

The content of the document is allocated like below tentatively;

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| --- | --- |
| Committees | Section to develop in the Guideline |
| ENAV | * General * Communication * Data transfer standards * Engineering principles for safety critical systems, certification * Data privacy issues * Technical safety and security aspects |
| VTS | * VTS interaction with MASS * Safe and efficient operations * Cyber Security |
| ARM | * Management * Portrayl * Spatial Awareness * Interaction with manned vessels * Risk Management & Assessment * Process and management of Cyber Security |
| ENG | * PNT * Position augmentation * Power availability * Conventional AtoN visibility to MASS * Safety and Security by Design * Shore side support for MASS |
| LAP | * Legal aspect |

# Action requested of the TF

The TF is requested to consider and finalize the draft roadmap for the development of IALA MASS guideline.

1. Draft roadmap for developing IALA MASS guideline

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| **Meetings** | **Work plan** |
| TF 4 (Sep 2022) | Consider and finalize the draft roadmap and the framework |
| PAP 47 (Sep 2022) | Approve the draft roadmap and the framework |
| Committees and LAP (2nd half 2022) | Continue drafting the relevant chapters |
| Council (December 2022) | Note the development |
| TF 5 (1st half 2023) | Coordinate the development |
| Committees and LAP (1st half 2023) | No meetings |
| TF 6 (2nd half 2023) | Coordinate the development |
| Committees and LAP (2nd half 2023) | Continue drafting the relevant chapters |
| TF 7 (1st half 2024) | Coordinate the development |
| Committees and LAP (1st half 2024) | Continue drafting the relevant chapters |
| TF 8 | Coordinate the development |
| Committees and LAP (2nd half 2024) | Finalize the IALA MASS guideline |
| Council (2nd half 2024) | Approve the IALA MASS guideline |