

IALA COUNCIL
3rd Session



8 - 12 December 2025
Mumbai, India

10 – TECHNICAL ACTIVITIES

10.3 – ARM

10.3.1.– ARM 21 summary report

Note by the Secretariat

1. INTRODUCTION

The 21st meeting of the ARM Committee was held from 20 to 30 October 2025, chaired by Guttorm Tomren with Natasha McMahon as Vice-Chair and Thomas Southall as Secretary.

The physical week took place from 20 to 24 October 2025 at IALA Headquarters, followed by an approval period and a virtual closing plenary on 30 October. A total of 99 participants from 29 countries attended ARM21, including 25 first-time participants. The Committee considered 42 input papers and produced 21 output papers through its three Working Groups.

2. SUMMARY OF THE WORK ITEMS

The Committee reviewed and updated its 2025–2027 Work Programme, achieving substantial progress across the three Working Groups.

Working Group 1 – Navigational Requirements

- Finalized a draft Recommendation on the Digitalization of AtoN and Services for Vessels of Varying Levels of Autonomy.
- Prepared a draft Guideline on Drone Operation for Marine Aids to Navigation and VTS Infrastructure Management.
- Progressed work on Guidelines on Buoy Tender Requirements and Activities.
- Developed the draft Guideline on the Use of Simple IoT Sensors on Physical AtoN.
- Advanced the Guideline on Marking Restricted Areas, expanding the scope to prohibited zones.
- Reviewed and updated Guideline G1185 Enhancing the Safety around Offshore Renewable Energy Installations (OREI), in liaison with VTS.
- Initiated a new Task Proposal for the Revision of G1054 Preparing for an IMO Audit on AtoN Service Delivery.
- Added a new Task on AtoN for SIDS Project, in coordination with ENG Committee.
- Progressed consolidation of AIS-related documents and prepared new drafts to replace R0126 and related guidelines.

Working Group 2 – Information Services and Portrayal

- Finalized Revised Guideline G1087 Edition 4.0 on Procedures for the Management of the IALA Domain under the IHO GI Registry.
- Developed three new draft Guidelines on Maritime Resource Names (MRN) and issued a Liaison Note to PAP and Committees on MRN ownership.
- Established procedures to harmonize S-201 Edition 2.1.0 with S-125 Edition 1.0.0, including use of an IALA-hosted GitHub repository and IHO change-proposal form.
- Reviewed progress on S-125 development with IHO NIPWG and supported preparation of the 3rd Joint IHO–IALA Workshop on S-100 and S-200.
- Agreed to initiate intersessional work on AtoN Symbolology and Portrayal, in cooperation with VTS.

Working Group 3 – Risk Management

- Reviewed and provided input to the IALA World-Wide Academy’s draft Model Course on AIS Data Management, recommending its inclusion in the work programme.
- Discussed proposals for inclusion of the Maritime Hydro-Meteo Fusion Index (MHFI) within the Risk Management Toolbox.
- Reviewed updates on PAWSA, IWRAP Mk II, and AISyRISK tools and confirmed integration of environmental and meteorological factors in future risk assessments.

3. OUTCOMES OF THE COMMITTEE

The following draft documents have been prepared for Council approval:

- C03-10.3.2 (ARM21-11.1.1) Draft Recommendation on Digitalization of AtoN and Services for Vessels of Varying Levels of Autonomy.
- C02-10.3.3 (ARM21-11.2.6) Revised Guideline G1087 Ed. 4.0 – Procedures for the Management of the IALA Domain under the IHO GI Registry.
- C03-10.3.4 (ARM21-11.1.3) Draft Guideline on Drone Operation for Marine AtoN and VTS Infrastructure Management.
- C02-10.1.2.1 (ARM21-11.4.2) Workshop Proposal on the Third Joint IHO–IALA Workshop on S-100 and S-200.

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.