



10 – TECHNICAL ACTIVITIES

10.2 – ARM

10.2.1.– ARM 20 summary report

Note by the Secretariat

1. INTRODUCTION

The 20th meeting of the ARM Committee was held from 31 March to 29 April 2025 with Guttorm Tomren as Chair and Natasha McMahon as Vice-Chair. The meeting Secretary was Thomas Southall. The physical meeting week took place from 31 March to 4 April at IALA Headquarters, followed by an extended approval period to allow finalization of S-201 Edition 2.0.0, and a virtual closing plenary on 29 April.

107 participants from 29 countries attended ARM20, including 24 first-time participants. The Committee considered 66 input papers and produced 19 output documents through three Working Groups.

2. SUMMARY OF THE WORK ITEMS

The Committee reviewed and updated its work programme, notably finalizing or progressing the following tasks across its three Working Groups:

Working Group 1 – Navigational Requirements

- Contribution to the IMO STCW revision regarding AtoN training.
- Completion of the draft guideline and recommendation on buoy tender activities.
- Development of a draft guideline on the use of simple IoT sensors on physical AtoN.
- Draft recommendation and associated documents on the digitalization of Marine AtoN and services for vessels of varying autonomy levels.
- Review and update of relevant sections of NAVGUIDE and continuation of the IALA Dictionary update.
- Development of a guideline on marking restricted areas.
- Completion of draft documents related to the use of drones for AtoN management.
- Substantial progress on the full review and consolidation of AIS-related documents.

Working Group 2 – Information Services and Portrayal

- Finalization of S-201 Edition 2.0.0 and its supporting documents for Council approval.
- Drafting of S-125 Edition 1.0.0 and coordination with IHO NIPWG.
- Ongoing development of MRN documentation.

- Completion of the revision of Guideline G1106 on producing S-200 Product Specifications.
- Continued monitoring of the S-200 Test & Validation Tool development.
- Initiated work on technical service specifications for the provision of AtoN information aligned with maritime service descriptions.

Working Group 3 – Risk Management

- Review and enhancement of Risk Management Toolbox documentation.
- Advancement on the method to quantify and evaluate various risk control options.
- Global survey and analysis of risk analysis tools applicable for IALA's Risk Management Toolbox.
- Further work on methods for monitoring and evaluating waterway risk, including categorization of AtoN effectiveness and waterway "health" metrics.

3. OUTCOMES OF THE COMMITTEE

The following draft documents have been prepared for Council approval:

- C02-10.2.2(ARM20-11.2.8) Revised Guideline G1052 on Quality Management Systems for AtoN Service Delivery.
- C02-10.2.3(ARM20-11.3.2) Revised Guideline G1106 on Producing an IALA S-200 Series Product Specification.
- C02-10.6.2 (ARM20-11.3.3) S-201 Edition 2.0.0 Product Specification package.

The following liaison notes were approved and forwarded:

- C02-12.1.1 (ARM20-11.3.1) Submission of S-125 Edition 1.0.0 to IHO NIPWG.

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.