

IALA COUNCIL
4th Session



8 - 11 June 2026
HQ, France

10 – TECHNICAL ACTIVITIES

10.2 – ARM

10.2.1.– ARM 22 summary report

Note by the Secretariat

1. INTRODUCTION

The 22nd session of the ARM Committee was held from 20 to 30 April 2026, chaired by Guttorm Tomren with Natasha McMahon as Vice-Chair and Thomas Southall as Secretary.

The physical week took place from 20 to 24 April 2026 at IALA Headquarters, followed by an approval period and a virtual closing plenary on 30 April. A total of 97 participants from 27 countries attended ARM22, including 8 first-time participants. The Committee considered 59 input papers and produced 16 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

- Progressed Liaison Note to all Committees on the future revision of STCW (ARM22-10.1.1) and continued coordination on IMO Model Course 7.03 amendments.
- Reviewed and amended Guideline G1054 on Preparing for an IMO Audit on AtoN Service Delivery; intersessional work to advance draft annexes ahead of ARM23.
- Advanced the draft Recommendation and Guideline on Buoy Tender Operations and Activities, including new content on site-specific environmental factors and critical phases.
- Continued the full review of Guideline G1078 on the Use of AtoN in the Design of Fairways, including integration of Virtual AtoN.
- Progressed the draft Guideline on the Use of Simple IoT Sensors on Physical AtoN, including system architecture and communications chapters.
- Advanced the draft Guideline on Developments and Implications of MASS for Coastal States, in coordination with DTEC and IMO work.
- Issued a Liaison Note on the Review and Harmonisation of the IALA Dictionary (ARM22-10.1.5) with proposed amended definitions for the IALA Dictionary and NAVGUIDE 2023.
- Drafted a new Recommendation R0126 and a Guideline on the Use of AIS in AtoN, proposing the consolidation and retirement of multiple legacy AIS-related documents (ARM22-10.1.4).
- Advanced the draft Guideline on the Marking of Restricted Areas (ARM22-10.1.6) and continued the LoCAN (formerly AtoN for SIDS) project in coordination with ENG.

Working Group 2 – Information Services and Portrayal

- Substantively revised Recommendation R1024 and Guideline G1182 on Cyber Resilience for the IALA Domain, with the title amended from “security” to “resilience” (ARM22-10.2.5).
- Agreed five technical decisions on the S-201 data model and progressed harmonisation between S-201, S-125 and S-101 ahead of the 3rd Joint IHO–IALA Workshop in September 2026.
- Re-established the Joint IHO NIPWG–IALA S-125 Task Group; S-125 Edition 1.0.0 submitted for HSSC 18 approval (May 2026).
- Approved the Technical Service Specification SS0003 (ARM22-10.2.2) and Service Design SD0003 over IEC 63173-2 (SECOM) (ARM22-10.2.3) as IALA test versions for publication.
- Prepared draft Guideline G1155-1 on the Description of the AtoN Maritime Service (MS-2) in the context of e-Navigation, and progressed the new IALA S-258:S-201 Validation Checks framework.

Working Group 3 – Risk Management

- Reviewed PAWSA Mk IV and confirmed retention of PAWSA Mk II as a separate IALA tool; agreed potential future inclusion in G1018 subject to international trial outcomes.
- Considered the enhanced Maritime Hydro-Meteo Fusion Index (MHFI) and the global scan of risk analysis tools (DCPA/TCPA, IWRAP for sea-crossing bridges, MARIN SAMSON modernisation); launched intersessional review of G1018.
- Progressed the WWA Model Course on AIS Data Management with the goal of forwarding to Council05 for approval, and proposed a Risk Management Seminar for 2026.

3. OUTCOMES OF THE COMMITTEE

ARM22 produced new outputs

1. Technical Service Specification SS0003 for the Provision of AtoN Information to End Users,
2. Service Design SD0003 over IEC 63173-2 (SECOM), and the
3. new Guideline G1155-1 on the Description of the AtoN Maritime Service in the context of e-Navigation).

SS0003 and SD0003 have been approved as IALA test versions for publication and do not require Council approval at this stage.

Other ARM22 drafts (R1024 and G1182 Cyber Resilience and R0126 Guideline on Use of AIS in AtoN) will be forwarded after Member quality-check for ARM23 approval.

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.