

TRANSITION COUNCIL
3rd session



10-13 December 2024
Headquarters, France

10 – TECHNICAL ACTIVITIES

10.3 – ARM

10.3.1.– ARM 19 summary report

Note by the Secretariat

1. INTRODUCTION

The 19th meeting of the ARM Committee was held from 7 – 17 October 2024 with Dave Lewald as Chair and Natasha McMahon as Vice-chair. The Secretary for the meeting was Thomas Southall.

The physical week began on Monday 7 October with the opening plenary and continued until Friday 11 October, followed by an approval period and the virtual closing plenary on 17 October. The Chair welcomed everybody, both old as well as new participants to the meeting.

96 participants from 30 countries participated in ARM19. 13 participants attended for the first time. A breakdown of the participants is shown in the graph below.

2. SUMMARY OF THE WORK ITEMS

During this session, the Committee reviewed and updated the work programme, adjusting several tasks based on the Committee's capacity. The discussions in the Working Groups covered the following topics:

Working Group 1:

- Contribution to the IMO STCW revision
- New guideline on buoy tender activities
- Guidance on the use of simple IoT sensors on physical aids
- Guidance on the provision of AtoN for Maritime Autonomous Surface Ships (MASS)
- Review relevant sections of NAVGUIDE in cooperation with the Secretariat
- Update IALA Dictionary
- Enhancing the safety and efficiency of navigation around offshore installations
- Develop a recommendation and guideline consolidating content from G1030, G1035 and G1004.
- Full review of A-126, G1084 and other AIS associated documents

Working Group 2:

- Develop a model course on AtoN Cyber Security arrangements
- Develop an IALA Recommendation and Guideline on developing Harmonized Waterway Concept

- Contribute to the standardization efforts with respect of the requirements of the S-100 domain experts
- New Guideline on Operational considerations for S-200 (S-201 AtoN information and S-230 Application Specific Messages)
- Continue to Develop Product Specification S-201. Continue development on S-201, specifically on Maintenance, data validation, and harmonization with S-125, S-124, and S-101
- Continue development on S-125 in coordination with IHO NIPWG
- Continue development on MRN documentation, considering inputs from IALA Secretariat, other committees, or others as needed
- Review Guideline G1106 on producing an IALA S-200 series Product Specification
- Coordinate Committee support and submissions for IALA representation at IHO working groups in cooperation with Secretariat (HSSC, S-100WG, NIPWG)
- Monitor the development of S-201 Testbed
- Develop, implement and execute procedures for IALA to add, maintain and harmonize items to the IHO S-100 Feature Concept Dictionary (FCD)
- Create S-200 Implementation Plan, following similar S-100 Implementation Strategy and/or Roadmap
- Develop guidance on the symbology and portrayal of AtoN for charting
- Development of technical service specifications for the provision of AtoN information
- Review Guideline G1159 on ship reporting from the shore-side perspective

Working Group 3:

- Review Risk Management related documentation. Update as per ongoing risk toolbox developments
- Develop a method to quantify and evaluate various risk control options
- Encourage IALA members and other organisations to share historic AIS and other vessel tracking data with IALA. IALA aims to use such data for risk assessment, research and training purposes.
- Conduct a global scan of current risk analysis tools and identify potential candidates for inclusion within the IALA Risk Management Toolbox
- Develop measures for and a method to monitor waterway risk. Includes effectiveness of risk mitigations, qualitative validation with stakeholders, and re-evaluation of risks

3. OUTCOMES OF THE COMMITTEE

The following draft documents have been prepared for Council approval:

- TC03-10.3.2 (ARM19- 11.2.6) Revised R0132 on Quality management for Marine Aids to Navigation authorities
- TC03-10.3.3 (ARM19-11.3.2) New draft Recommendation on Harmonized waterways datasets
- TC03-10.3.4 (ARM19-11.3.1) New draft Guideline on Harmonized waterway datasets
- TC03-10.3.5 (ARM19- 11.2.5) New draft Guideline on Enhancing the safety and efficiency of navigation around offshore renewable energy installations

The following draft liaison notes have been prepared for Council approval:

- TC03-12.4.1 (ARM19- 11.2.4) Liaison note to ITU-R WP5B on draft revision of ITU-R M.1371-5 Technical characteristics for AIS

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.