



IALA POLICY ADVISORY PANEL

REPORT OF THE 54TH SESSION OF THE IALA POLICY ADVISORY PANEL (PAP)

16 - 17 September 2024



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International Organization for Marine Aids to Navigation

CONTENTS

The 54th session of PAP was held in person between 16 – 17 September 2024.

Key outcomes included:

- The direction on tasks relating to ship reporting.
- The direction on the AIS task review

The PAP was also updated on many items including:

- IALAs involvement in the review of the STCW Code
- The AIS document review
- S-200 development



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Report of the 54th Session of the IALA Policy Advisory Panel

GENERAL

The 54th session of the Policy Advisory Panel (PAP) was held on 16 – 17 September 2024 in person, with IALA Deputy Secretary-General Omar Frits Eriksson as Chair and Thomas Southall as Secretary.

1. INTRODUCTION

1.1. WELCOME BY THE DEPUTY SECRETARY-GENERAL

1.1.1. WELCOME FROM THE DEPUTY SECRETARY-GENERAL

The Deputy Secretary-General welcomed all members to the 54th session of the PAP and introduced the new Technical Officer Alisa Nechyporuk. All welcomed her and gave a warm welcome.

1.2. APPROVAL OF AGENDA

The agenda (input paper PAP54-1.2.1) was approved. The approved agenda is provided in ANNEX A.

1.3. APOLOGIES AND INTRODUCTIONS

No apologies were received. The Panel members then introduced themselves.

2. REVIEW OF ACTION ITEMS

2.1. REVIEW OF ACTION ITEMS

The PAP Secretary, Thomas Southall, highlighted that although some action items were ongoing many of them had now been superseded and it was agreed that they could be removed. Minsu Jeon highlighted that those relating to the templates and style guide would be completed by the next full PAP meeting.

3. REVIEW OF INPUT PAPERS

3.1. REVIEW OF INPUT PAPERS

Members noted the input paper list (PAP54-3.1.1).

4. REPORTS FROM OTHER BODIES

4.1. IALA INTERNAL ORGANS

4.1.1. IALA COUNCIL

Minsu Jeon, the Technical Operations Manager, reported that at Council 80, several key revisions and updates to the work program for 2023 - 2027 were approved. These approvals included workshops, guidelines and technical specifications.

The following workshops were approved or discussed; the 2nd IALA IHO Joint Workshop on S-100/200 in September 2024 (already concluded), an ENG Workshop in October 2024 in Sydney, Australia, a VTS Competent Authority Workshop scheduled for January 2025 in Rome, Italy, a Sustainability and ENG 21 Workshop in October 2025 in Dublin, Ireland, and a Future of Radionavigation and Radiocommunication Workshop in 2026 in Edinburgh, UK. Additionally, the International Conference on Lighthouse Tourism and Maritime Heritage is also planned for October 2025 in Dublin, Ireland in conjunction with the workshop.

Several key documents and guidelines were also approved. These included the revised R1019 on Maritime Services in the context of e-Navigation (Ed2.0), a new draft Guideline on Cyber Security from an IALA perspective (Ed1.0), and a revision of G1141 Operational Procedures for Delivering VTS (Ed3.0). The Council also approved the revised G1177 Portrayal of VTS Information (Ed2.0) and a revised version of Model Course C0103-4 for VTS On-the-Job Training Instructors (Ed3.0). Additional revisions included the new draft Guideline on the Provision of MCP identities (Ed1.0), the revised R1007 on the VHF Data Exchange System (VDES) for Shore Infrastructure (Ed2.0), and the updated G1128 Specification of e-Navigation Technical Services (Ed1.5).

In the area of technical services, the Council noted the specifications for the Provision of Marine Aids to Navigation (AtoN) Information (Ed1.0) and the VTS Traffic Clearance Service (Ed1.3), as well as the service design for VTS Traffic Clearance using SECOM (Ed1.0). The IALA Manuals, including the VTS Manual (Ed8.3), were also acknowledged.

A procedure for the versioning and approval of product specifications and technical services was agreed. This protocol outlined three phases: the Development Phase for documents prior to version 1.0.0, the Testing and Validation Phase for documents between versions 1.0.0 and 1.9.9, and the Implementation Phase, where documents ready for publication and use are numbered from version 2.0.0 onward. Discussion raised that thought must be given to how revisions are tested and if they should remain as working papers or be numbered in a way that makes it clear that they are tests.

Importantly, several documents were also approved by the Council, including Guideline G1180 focusing on Resilient Position, Navigation, and Timing, the updated Model Course C0103-2 for VTS Supervisor training, and Guideline G1181 addressing VDES VHF Data Link (VDL) Integrity monitoring. Additionally, the Council endorsed a workshop proposal concerning the VTS competent authority, with Italy offering to host the event.

A decision was made to select the Faro di Genova 'Lanterna' in Italy as the Heritage Lighthouse for the year 2024.

The Secretariat presented a paper to the Council on the necessity for more frequent updates to manuals, highlighting the rapid pace of technological evolution and the need for timely updates to ensure relevance and effectiveness. The request for authorization to implement a new process allowing committees to expedite the publication of updates to manuals was approved.

4.2. IMO

Technical Operations Manager, Minsu Jeon, provided an update on key activities from the IMO relevant to IALA, summarizing the outcomes of two significant meetings, the 108th session of the IMO Maritime Safety Committee (MSC 108), held from May 15 - 24 2024 and the 11th session of the Sub-Committee on Navigation, Communications and Search and Rescue (NCSR 11), held from June 4 - 13 2024. Both meetings took place at the IMO Headquarters.

At MSC 108 IALA was represented by Minsu Jeon, Tom Southall and Axel Hahn. IALA submitted MSC 108-INF.8 - IALA Workshop on establishing scenarios for the development of MASS (Maritime Autonomous Surface Ships).

The main outcomes of MSC 108 included:

- A revised roadmap for developing a regulatory code for MASS, marking progress in the regulation of autonomous ships.
- The adoption of revised guidelines on maritime cyber risk management, ensuring enhanced protection against cyber threats.
- New training requirements related to the prevention and response to violence and harassment in the maritime sector, particularly addressing sexual harassment, bullying, and sexual assault. These were incorporated into amendments to the STCW Code.

- Amendments to the 1974 SOLAS Convention and related instruments were also adopted, reflecting updates to key maritime safety regulations.
- Additionally, reports from various sub-committees were presented, leading to the approval of several important provisions.

At NCSR 11 IALA was represented by Minsu Jeon, Tom Southall and Stefan Bober. IALA submitted several papers, including:

- NCSR 11-14 - IALA Guideline G1181 on VDES VDL Integrity Monitoring.
- NCSR 11-18-1 - Draft revision of SN.1/Circ.297 on IALA Maritime Buoyage System (MBS).
- NCSR 11-18-2 - IALA Risk Management Toolbox.

Key outcomes from NCSR 11 included:

- The introduction of the VHF Data Exchange System (VDES) into the SOLAS framework, facilitating better communication and data transmission in maritime safety.
- Updates to the IALA Maritime Buoyage System (SN.1/Circ.297) and the Degree of Risk Evaluation (SN.1/Circ.296).
- Establishment of voluntary Vessel Traffic Services (VTS).
- Improvements to Marine Safety Information (MSI) and Global Maritime Distress and Safety System (GMDSS) services.
- Addressing AIS signal blockages caused by VHF radiotelephony, and revisions to Recommendation ITU-R M.1371-5 aimed at enhancing the security and integrity of AIS signals.
- Guidance on the validity of on-board radiocommunications equipment was updated (MSC.1/Circ.1460/Rev.4).
- Considerations regarding agenda item 1.12 of WRC-27, focusing on the use of the 1645.5-1646.5 MHz band, were discussed.
- Additionally, issues concerning S-100 implementation and the associated training needs for seafarers were highlighted, along with discussions on the future of the Maritime Messaging Service.

4.3. IHO

Minsu Jeon reported on recent activities with the IHO. The focus included various collaborations, technical updates, and workshops related to the S-100 and S-200 standards.

Key liaison involved the Hydrographic Services and Standards Committee (HSSC), the Nautical Information Provision Working Group (NIPWG) and ongoing liaison notes to NIPWG regarding AtoN Product Specifications (PS). Additionally, ITU's collaboration with S-100 Working Group and Regional Hydrographic Commissions played a central role. These collaborations helped define the technical aspects and portrayals of AtoN features, with particular emphasis on the IHO GI Registry and the S-124/125 technical services.

4.4. ITU

The PAP noted Minsu Jeon's report regarding ITU that the recent meeting, several key revisions and new study questions were addressed concerning maritime communication systems.

A revision of Recommendation ITU-R M.1371-5 on the Automatic Identification System (AIS) was approved, along with updates to Recommendation ITU-R M.585-9 regarding the assignment and use of identities in the maritime mobile service. Two new ITU study questions were introduced: one focused on the "Coexistence of VHF Data Exchange System (VDES) with a Ranging-Mode," and another on the "Introduction of Digital Voice Communications in VHF maritime frequency channels."

A new report, ITU-R M. [VDES R-MODE], was also presented, which assesses the impact of introducing a range mode in the VHF data exchange system. Additionally, the suppression of Recommendation ITU-R M.693-1, which previously outlined technical characteristics for VHF emergency position-indicating radio beacons using digital selective calling, was approved.

4.5. DIGITAL@SEA

The PAP noted the successful event that had taken at the recent Digital@Sea Digital@Sea North-America held on 8 - 9 May 2024 in Atlantic Beach, Florida, US and the Digital@Sea Asia Pacific and Capacity Building workshop in Seoul, Republic of Korea.

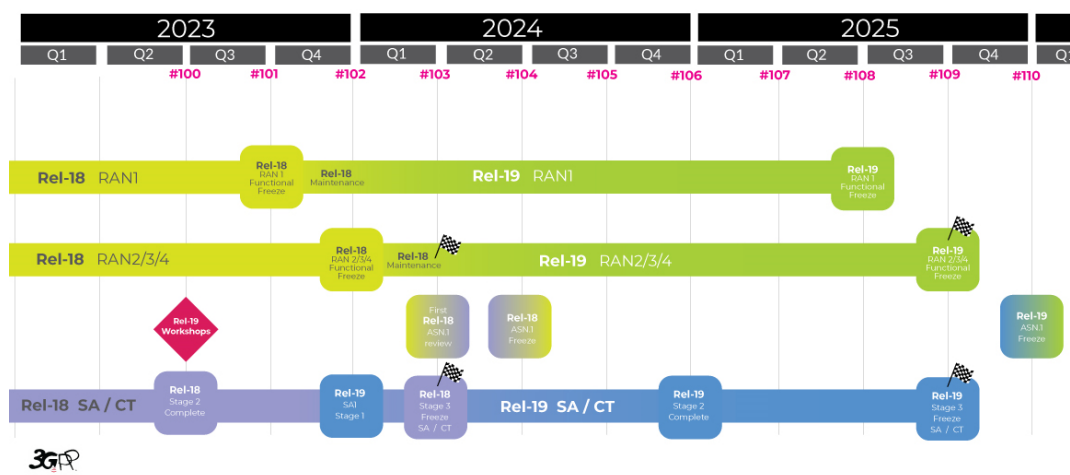
The tentative schedule for future events is:

- 2024: International(DMA), NA(US), AP(MOF)
- 2025: NA (Canada), AP(MOF)
- 2026: AP(MOF)
- 2027: International(DMA), AP(MOF)
- 2028: NA (US), AP(MOF)
- 2029: AP(MOF)

4.6. 3GPP

Minsu Jeon, Technical Operations Manager, highlighted the rapid progress of 3GPP towards 5G advanced and 6G technology, marking a significant advancement in telecommunications.

A timeline for the development of 5G Advanced was noted as set out below:



Notable advancements include the integration of 5G satellite communications (non-terrestrial network) and the endorsement of sidelink technology for direct terminal-to-terminal communications, approved at the 3GPP RAN meeting in December last year. Sidelink technology is expected to have a profound impact on industries like autonomous vehicles and public safety, with potential implications for the maritime sector.

The Radiocommunication Assembly 2023 (RA-23) ratified the revisions of Resolution ITU-R 56, officially designating the next generation of International Mobile Telecommunications (IMT) as "IMT-2030," otherwise known as 6G.

ITU-R Working Party 5D approved a draft Recommendation Framework and overall objectives of the future development of 6G during its June 2023 meeting. This document outlines key aspects such as emerging trends, potential usage scenarios, capabilities, and ongoing developmental considerations for 6G, forming a crucial part of the regulatory framework.

3GPP is actively contributing to the development of technical standards for 6G.

The PAP noted the information provided.

4.7. ISO

The PAP noted that ISO is working on maritime related standards under the group ISO/TC8 Ships and marine technology. This group have been working on the following areas within the group:

- ISO/TC8/SC1 Maritime Safety
- ISO/TC8/SC2 Marine Environmental Protection
- ISO/TC8/SC3 Piping and Machinery
- ISO/TC8/SC4 Outfitting and Deck Machinery
- ISO/TC8/SC6 Navigation and Ship Operations
- ISO/TC8/SC7 Inland Navigation
- ISO/TC8/SC8 Ship design
- ISO/TC8/SC11 Intermodal and Short Sea Shipping - Official member Nov 2023
- ISO/TC8/SC12 Large yachts
- ISO/TC8/SC13 Marine technology
- ISO/TC8 Development of technical standards for administrative and operational data
- ISO/IEC JTC1 SC41 WG7 Maritime, underwater IoT and Digital Twin applications WG

It was also noted that some IALA participants chair ISO working group meetings.

4.8. OTHER (PIANC, CIRM, IMPA, & IHMA ETC.)

IMPA

The 26th International Maritime Pilots' Association (IMPA) Congress took place from April 21 to April 26, 2024. During the Congress, Minsu Jeon represented IALA and gave a presentation on "Advances in Aids to Navigation and VTS to support efficient shipping operations".

ICAO

IALA's collaborative work with the International Civil Aviation Organization (ICAO) has led to the development of a Circular on Water Aerodrome Design and Operations, including guidance on Material for the Development of Water Aerodromes. This initiative focuses on establishing standards and guidance for the safe design, construction and operation of water aerodromes to ensure that both maritime and aviation practices are harmonized.

Luminous Efficiency Function

The PAP noted that on 3rd June 2024, a joint seminar between the International Commission on Illumination (CIE) and the European Photometry and Radiometry (EPR) was held in Paris to celebrate the 100th anniversary of the Luminous Efficiency Function. This function, fundamental to the understanding of human visual perception of light, has been pivotal in lighting and photometry standards over the past century.

The ENG Chair provided a detailed technical explanation of the Luminous Efficiency Function, highlighting its historical significance and its continued relevance in modern lighting technologies. This function describes the sensitivity of the human eye to different wavelengths of light, forming the basis for photometric measurements used in industries ranging from lighting design to navigation aids.

It is proposed that the fundamental colour matching functions used in photometry and colorimetry would be modified to align with the results of relatively recent experiments. The change is often called "cone

fundamentals” because the functions are said to more accurately match how the human visual system operates in practice.

The change is not without controversy, and CIE are putting together a research group to investigate the impact of such a change on the industry. It was said that the earliest time that the research group would report back is five years, meaning that there is no immediate change expected. Even then, it is expected that the change to cone fundamentals will be a gradual one. IALA will monitor and make changes as necessary to it’s guidance.

5. PROGRESS REPORTS

5.1. DTEC

The DTEC Chair reported on intersessional work focusing on several key areas:

- MCP Specifications
- MARCOM
- At the upcoming DTEC session, the focus will be on finalizing the MARCOM Manual and advancing work on MASS.

The discussion highlighted IALA’s evolving role and relationship with the Maritime Connectivity Platform (MCP), noting that further development on certification and integration is progressing.

5.2. VTS

Having previously reported on VTS55 at a previous PAP, VTS Chair, Monica Sundklev, reported that there had been many intersessional groups meeting and the Committee was ready to meet at VTS56. There were also ongoing work in the Steering Committee for the upcoming Workshop on Competent Authorities for VTS.

5.3. ENG

The ENG Chair reported that the 18th meeting of the ENG Committee (ENG18) was held from 8 to 18 April 2024, chaired by Alwyn Williams and vice-chaired by Michel Cousquer. The technical officer for the meeting was Jaime Alvarez.

Michele Hopper was unable to attend ENG18 and the PAP members send their best wishes to him.

The ENG Committee progressed on several tasks during its last session. It finalized the Draft Guideline on Cyber Security and the Draft Guideline on the General Overview of a Floating Aid to Navigation (AtoN), which were prepared to be forwarded to the ARM Committee for further consideration.

The Committee also completed several liaison notes, such as a note to RTCM about updating the RTCM 10402.3 Standard and prepared a note to the MASS working group on Enhanced Radar Positioning Systems.

Additionally, the ENG Committee submitted a proposal for new IALA Dictionary definitions related to R-Mode and revised a workshop proposal on future radionavigation and radiocommunication systems. Two working documents, the liaison note on Task Round Robin Light Measurement and the draft guideline on Medium Frequency R-Mode signal structure and navigation message, were sent back to ENG19 for further clarification and content.

5.4. ARM

The ARM Vice-chair, Natasha McMahon, reported that the AIS task was progressing and welcomed input from the committees to support this ongoing work. She also noted that ARM’s input on the IMO STCW review would be discussed at the IMO in October.

In terms of the availability measurement of AtoN task, the task will continue at ARM19, discussion highlighted some ideas on the matter such as that while a general percentage measurement for availability remains

acceptable to members globally, there may be scope for individual AtoNs to have exemptions in certain circumstances regarding availability targets. This could provide more flexibility in specific cases where standard targets may not be applicable and this may be effected by the number of other AtoNs are in the area for instance.

5.5. IMG

Malcolm Nicholson, representing the IMG, reported that the group had a very successful meeting in February in Finland. During the meeting, the implementation of the Code of Conduct was discussed, with the IMG offering additional support to ensure it is effectively implemented.

A survey from the IALA Conference was also reviewed, with feedback being largely positive. Lessons learned from the survey will be applied to the upcoming conference in India. Additionally, discussion raised the possibility of consideration of potential further vetting measures for new members, perhaps examining how they comply with the Code of Conduct for instance.

5.6. LAP

The LAP Chair reported that Thomas Arculus from Trinity House had been appointed as the Vice-chair of the LAP. The Chair also invited input from the committees for the upcoming LAP session scheduled later this year.

5.7. WWA

The Dean of the Academy, Omar Frits-Eriksson, provided an update on the WWA's recent activities. He reported that AtoN courses had been successfully delivered in various countries, including France, the UK, China, India, Morocco, and Colombia, with courses offered in English, Spanish, and French. Additionally, a Master Course, AtoN 1.2, had been held in China.

A risk management course was conducted in Colombia, with another planned for later this year in Italy. In Indonesia, a MoU had been signed to build capacity for delivering training in the local language.

Omar Frits-Eriksson also announced that he would be focusing on the role of Deputy Secretary-General, with a new Dean of the Academy to be announced in September. He reported that efforts in capacity building and training in Africa continued. The model courses and training materials will undergo a review, including a request from ARM for a model course on analyzing AIS data. He also highlighted the MoUs with Singapore and Turkey, which will provide additional training facilities in these regions.

6. STRATEGY AND POLICY

6.1. ADDED ITEM - S-200 IMPLEMENTATION

Minsu Jeon, Technical Operations Manager, reported on IALA's work related to the S-200 series. He began by giving a background overview of the S-200 domain, outlining its various series, the work already completed by committees, and its connection to the IHO S-100 framework, along with current testbeds. During the discussion, it was suggested that referring to the S-200 as a "domain" rather than a "world" would be more appropriate, as it represents just one part of the broader S series. Additionally, consideration of SBAS in the S-240 series was encouraged.

The current challenge lies in the data production for the Product Specifications. All members are encouraged to utilize the S-200 testbed, as the data gathered could also assist in acquiring the information sought through the IALA Questionnaire. Further discussions emphasized that IALA could play a critical role in validating S-200 test versions before final approval, though it was acknowledged that different authorities would be responsible for the dynamic information provided.

Minsu Jeon also provided an update on the S-200 training program. A successful pilot course was conducted earlier this year in collaboration with Primar, KRISO, and UKHO. Additional training sessions are planned for

2025, designed to cater to a range of participants, from highly technical professionals to policy makers, ensuring the varied needs of attendees are met.

6.2. IALA'S INVOLVEMENT IN MASS

The Chair of the MASS Task Force provided an update on the 9th meeting, outlining the progress made by the task force and committees. The MASS Task Force successfully completed its tasks as defined by its Terms of Reference, which included delivering a workshop on the future of MASS, conducting a scoping exercise for IALA, identifying specific tasks for committees and developing a roadmap for delivery. These documents are set to be forwarded to the committees for further review and consideration.

With the Organization's transition to an IGO, the Task Force is set to dissolve and this will be formally highlighted to the December Council, where a decision on the task force's future will be made. It was also agreed that a Recommendation should be established in association with the MASS guidance.

Action item:

That the Secretariat forwards all output papers from the MTF associated with the deliverables of the Task Force to all committees.

6.3. AIS DOCUMENTATION REVIEW

The PAP noted good progress on this task, following its direction to develop one recommendation and two guidelines addressing both technical and operational aspects. In parallel, the ARM task group has been analyzing which guidance materials might be suitable for archiving, preserving them for future reference while removing them from guidance.

ARM has invited all committees to continue reviewing AIS-related elements to determine which aspects should remain as guidance or be archived.

6.4. S1010 ATON PLANNING AND REQUIREMENTS

Nothing to report.

6.5. S1020 ATON DESIGN AND DELIVERY

Nothing to report.

6.6. S1030 RADIONAVIGATION SERVICES

Nothing to report.

6.7. S1040 VESSEL TRAFFIC SERVICES

Nothing to report.

6.8. S1050 TRAINING AND CERTIFICATION

6.8.1. STCW REVISION

Minsu Jeon reported to PAP on IALA's involvement in updating the STCW Convention. IALA has submitted an input paper to the IMO's HTW committee, detailing its contributions to the revision of STCW model courses. The update includes a specific section on Aids to Navigation (AtoN) within the Convention.

The HTW meeting will take place during ARM19 and both the Secretariat and ARM Committee members have drafted the information paper for HTW review. Latifa Oumouzoune will attend the HTW meeting to represent IALA.

6.9. S1060 DIGITAL COMMUNICATION TECHNOLOGIES

Nothing to report.

6.10. S1070 INFORMATION SERVICES

6.10.1. SHIP REPORTING

The Chair of ARM reported that the committee believes IALA should consider the extent to which "Ship Reporting" falls within its remit. This would involve revisiting IALA's role in materials published with an "IALA footprint," where the added value may be limited, as these materials often rely heavily on external bodies.

ARM requested that PAP clarify IALA's role in the Ship Reporting arena and provide renewed direction. This issue had been discussed before and VTS Chair stated that "the reporting from ship to the shore is made on many different reporting areas such as waste, hazmat and port state control (PSC) to several different authorities ashore and not only to marine aids to navigation authorities. It is therefore doubtful that there may be experts within these areas. There is also a policy that IALA should not interfere with on board requirements. The digitalization of ship reporting is already being developed at IMO's FAL Committee as a part of the Maritime Single Window (MSW) development and therefore any additional developments and proposals of MSW should take place there. If IALA guidance on ship reporting focus on reporting areas within the remit of IALA, it can be accepted, but any progress should be forwarded to IMO FAL Committee in order to be included in the IMO Compendium on Facilitation and Electronic Business." Following discussion, PAP agreed that ARM should continue its work on Ship Reporting as part of its assigned tasks. The task description should consequently be updated in the Task Register.

6.10.2. MRN HARMONIZATION

During ARM18 discussions, it was noted that numerous global waterway harmonization initiatives are either underway or already in place, which led to a conversation about gaps within the existing MRN methodology. Applying MRN to current waterway names presents challenges, as certain identifiers span international boundaries and may not fit the country-code framework established in G1143. Additionally, some initiatives, such as EURIS, may introduce waterway identifiers for regions in non-IALA member states, adding further complexity. In parallel, IHO's documentation of water bodies within S-130 may offer an avenue for MRN applicability.

ARM requested that PAP provide a high-level perspective on addressing issues such as non-country identifiers and alignment with other stakeholders' efforts. In response, PAP highlighted that, due to the wide range of contexts and potential national coordinators involved, full harmonization across all scenarios may not be feasible. Consequently, IALA's role would be to offer guidance at a top-level only, leaving room for adaptation within various regional and national contexts.

6.11. IALA STANDARDS ED3.0

Minsu Jeon reminded the Panel that the upcoming IGO General Assembly will be responsible for approving the Standards, with only minor changes anticipated in the proposals.

7. COMMITTEE WORK PROGRAMME AND STRUCTURE

7.1. COMMITTEE WORK PROGRAMME 2023 – 2027

The PAP noted amendments approved by Council to the work programme 2023 – 2027.

7.2. ONLINE WORK PROGRAMME, TASK PLAN, AND TASK REGISTER

Minsu Jeon updated the PAP on the project to integrate the Work Programme, committee Task Plans, Task Registers and Traffic Lights. This would ease the administrative burden on the management documents of the committees and ensure consistency between them.

7.3. EVENTS

7.3.1. WORKSHOP ON AToN ENGINEERING

The workshop on AtoN engineering will take place in Sydney on 14 - 18 October 2024 with the ENG Committee convening the week after in Australia. The output from this workshop will be the review and updating of all WWA model courses within the ENG remit. Preparatory work continues.

7.3.2. 2ND WORKSHOP ON S-100/200

The ARM Chair, Dave Lewald, reported that a successful co-event between IALA and IHO was the 2nd Joint IHO/IALA Workshop on S-100/200 Development and Portrayal, which was held from September 9 - 13, 2024, at the U.S. Naval Academy in Annapolis, USA. This workshop attracted 84 participants from 19 countries, providing valuable insights into the integration and evolution of various S-100 series standards, including S-101, S-124, S-125, and S-201. Key conclusions from the workshop highlighted:

Operational Recommendations:

- Evaluation of the S-101 data model to ensure all information from S-12 (List of Lights) is included.
- Clarification that S-124 is designed for time-sensitive, navigationally critical information, while S-125 addresses changes in AtoNs.
- The need for S-124 and S-125 to provide a comprehensive operational picture, while S-125 does not duplicate AtoNs information in S-101.

Technical Recommendations:

- A review of data and service provisions required by IALA for international compliance, including for non-SOLAS vessels.
- Collection of test scenarios and datasets by the IHO-SGP lab to identify technical gaps in product specifications.
- Exploration of official testing MCP's identity management with IHO and addressing security concerns.
- Establishment of a formal system to notify stakeholders of changes to the S-100 standard.
- Recommendations to retain and enhance the S-124 symbol and align S-125 with IMO Circular Letter 243, while keeping S-101 symbols unchanged during the dual-fuel period.

Training Recommendations:

- Identification of knowledge gaps within the maritime community before training on S-100 standards.
- A focus on coordinated communication and marketing from IALA and IHO regarding S-100's benefits.
- Recommendations to refine STCW training requirements and include transition training to ECDIS.
- Emphasis on addressing significant training gaps for different user groups across the maritime community.
- Tailoring training courses to specific user groups, from high-level executives to software developers, ensuring materials remain current as standards evolve.

The workshop concluded with a joint recommendation to continue future discussions on the interaction of standards like S-101, S-124, S-125, and S-201, as well as broader efforts to implement and support remaining IHO and IALA product specifications across the maritime community.

7.3.3. WORKSHOP ON SUSTAINABILITY

A workshop on sustainability is scheduled for October 2025, with Irish Lights set to host the event. The ENG Chair presented the proposed program and requested that PAP assess whether the workshop's aims and subsequent tasks would effectively promote sustainable practices within IALA beyond the workshop itself. If not, ENG asked what tangible outputs the workshop should aim to achieve.

Discussion considered the need for AtoN authorities to measure their environmental impact as a way to better understand sustainability challenges, with each committee considering this topic further. PAP was also asked to review the workshop program within the committees and to provide feedback or suggest potential presenters to Alwyn Williams by PAP56.

Action item:

That PAP members review the workshop on sustainability programme and within the technical committees if necessary, and to provide feedback and potential presenters to Alwyn Williams by PAP56.

7.3.4. WORKSHOP ON VTS COMPETENT AUTHORITIES

The VTS Chair reported that planning was progressing smoothly for the upcoming event scheduled in Rome for January 2025. Additional Steering Committee meetings are planned to take place within the VTS Committee to support ongoing preparations.

7.3.5. WORKSHOP ON FUTURE RADIONAVIGATION AND RADIOCOMMUNICATION SYSTEMS

The DTEC Chair reported that planning was underway for an event anticipated to take place in 2025. The event's primary goals include sharing updates on developments within the IMT technology family, specifically IMT-Advanced (4G/LTE), IMT-2020 (5G), and the emerging IMT-2030 (6G) technologies. The event will focus on identifying features within the IMT family that could be adapted for the AtoN domain, assessing the technical, regulatory, and operational challenges in applying IMT technologies to this sector, and evaluating IALA's ongoing role in this application. A proposal for the workshop is expected to be submitted to the December Council from DTEC.

8. PUBLICATIONS/OPERATIONS/ADMINISTRATION

8.1. IALA DICTIONARY AND QUESTIONNAIRE

PAP noted an update from Minsu Jeon on dictionary management and the questionnaire. He highlighted that all definitions need harmonization for application within the S-200 domain and reminded the Panel of the connection between S-200 and the data collected through the questionnaire.

8.2. COMMUNICATIONS

Audrey Guinault reported that the Secretariat Communication Group had lost a member after the departure of one staff in the admin department and a replacement will be found soon. This group is important for the coordination of information between the different departments of the secretariat.

During the IALA day in July (which is a day dedicated to the staff to address internal issues and discussions about the organization), the team had a closer look at internal communication and processes. This will be followed up through the year so that internal and external communication can be improved in the end.

The IGO status generated new needs for communication, such as:

The website needs to be updated and changed (there is an ongoing tender to find a company that can help us build a new website). The plan would be to then gradually move from the current website to the new.

Finally, following a question raised by Council during C80 regarding advertising from industrial members in the e-Bulletin, the LAP was requested to advise on whether it would still be ok for industrial members to advertise under the new status.

8.3. PROPOSED MEETING DATES

The PAP noted the provisional meeting days for the second half of 2025 and agreed to the dates, taking into account events organized by sister organizations, including RTCM. The sequence of committees was also considered but agreed that they would remain the same.

8.4. DOCUMENT MANAGEMENT

This item will be discussed at a future PAP meeting.

9. THE IGO PROJECT

9.1. TRANSITION PERIOD

The Secretary-General provided the PAP with a detailed presentation covering the transition period, which spans from the entry into force of the Convention to the first General Assembly of the IGO. He outlined the timelines for key decisions to be made by both the current Council and the transition Council, as well as the application of the General Regulations mutatis mutandis, the development of new General Regulations and Financial Regulations and the establishment of new Staff Rules. The PAP noted this update.

10. ANY OTHER BUSINESS

The PAP Chair reminded the panel that it had been agreed that all committee officers, including Working Group Chairs, must physically attend meetings to fulfil their roles; otherwise, they cannot serve as officers of the committee. Participants had expressed their disappointment that they had travelled to headquarters only to find that a Working Group Chair was attending online. This was agreed by all present.

11. OUTPUT FROM THE MEETING

See Annex D.

12. REPORT OF THE MEETING

The final report was approved by correspondence.

13. DATE AND VENUE OF NEXT MEETING

PAP55 is scheduled for 13 November 2024.

14. CLOSING OF MEETING

The Chair thanked all members for their cooperation and friendly discussions. He urged them to continue the dialogue between members as the work period progresses.

15. LIST OF ANNEXES TO THE REPORT

- 1 Agenda
A copy of the agenda is at ANNEX A.
- 2 Participants
A list of participants is at ANNEX B.
- 3 Input papers
A list of input papers is at ANNEX C.



- 4 Output papers
A list of output papers is at ANNEX D.
- 5 Action items
A list of action items is at ANNEX E.

ANNEX A AGENDA



54th Meeting of the IALA Policy Advisory Panel (PAP54)

The 54th meeting of the Policy Advisory Panel will be held on 16 – 17 September 2024 at IALA HQ. The timings of the meeting are:

Monday 16/09/2024 10:00 – 17:00 CEST

Tuesday 17/09/2024 13:00 – 17:00 CEST

The objectives of the panel are to:

- Formulate advice for the IALA Council and Secretariat;
- Coordinate the work of the IALA committees to achieve the goals of the Strategic Vision; and
- Monitor and develop work programmes for the committees.

Agenda

1 Introduction

1.1	Welcome by Secretary-General and Deputy Secretary-General	FZ, OFE	
1.2	Approval of agenda	OFE	Approve
1.3	Apologies and introductions	OFE	Note

2 Review of action items from last meeting

2.1	Review of action items	TS	Note
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3 Review of input papers

3.1	Review of input papers	TS	Note
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4 Reports from other bodies

4.1	IALA internal organs	MJ	Note
4.2	IMO	MJ	Note
4.3	IHO	MJ	Note
4.4	ITU	MJ	Note
4.5	Digital@Sea	MJ	Note
4.6	3GPP	MJ	Note
4.7	ISO	MJ	Note
4.8	Other (PIANC, CIRM, IMPA, & IHMA etc.)	MJ	Note

5 Progress reports from subsidiary bodies

5.1	DTec	HN	Note
5.2	VTs	MS	Note
5.3	ENG	AW	Note
5.4	ARM	DL	Note
5.5	IMG	MN	Note
5.6	LAP	CS	Note
5.7	WWA	OFE	Note

6 Strategy and Policy

6.1	IALA's involvement in MASS	MJ & TS	Note
6.2	AIS document review	DL	Discuss
6.3	S1010 AtoN Planning and Requirements		
6.4	S1020 AtoN Design and Delivery		



6.5	S1030 Radionavigation Services		
6.6	S1040 Vessel Traffic Services		
6.7	S1050 Training and Certification		
6.7.1	STCW revision	MJ	Note
6.8	S1060 Digital Communication Technologies		
6.9	S1070 Information Services		
6.9.1	Ship reporting	DL	Discuss
6.9.2	MRN harmonization	DL	Discuss
6.10	IALA Standards ed3.0	MJ	Discuss
7	Committee work programme and structure		
7.1	Committee Work Programme 2023 - 2027	MJ	Discuss
7.2	Online Work Programme, Task Plan, and Task Register	MJ	Discuss
7.3	Events		
7.3.1	Workshop on AtoN engineering	AW	Note
7.3.2	2 nd Workshop on S-100/200	DL	Note
7.3.3	Workshop on Sustainability	AW	Note
7.3.4	Workshop on VTS Competent Authorities	MS	Note
7.3.5	Workshop on Future Radionavigation and Radiocommunication Systems	HN	Note
8	Publications/Operations/Administration		
8.1	IALA Dictionary and questionnaire	MJ	Discuss
8.2	Communications	AG	Discuss
8.3	Proposed meeting dates	AG	Agree
8.4	Document management	OFE	Discuss
9	The IGO project		
9.1	Transition period	FZ	Note
10	Any other business		
11	Output from the meeting		
12	Report of the meeting		
13	Date and venue of next meeting		
14	Closing of meeting		



ANNEX B LIST OF PARTICIPANTS

ARM Committee	Chair	R. David Lewald robert.d.lewald@uscg.mil
	Vice-chair	Natasha McMahon natasha.mcmahon@dfo-mpo.gc.ca
DTEC Committee	Chair	NOGUCHI Hideki hideki.noguchi@gmail.com
	Vice-chair	Jorge Arroyo Jorge.Arroyo@uscg.mil
ENG Committee	Chair	Alwyn Williams alwyn.williams@gla-rad.org
	Vice-chair	Michel Cousquer Michel.Cousquer@cerema.fr
VTs Committee	Chair	Monica Sundklev monica.sundklev@transportstyrelsen.se
	Vice-chair	Dirk Eckhoff dirk.eckhoff@wsv.bund.de
LAP	Chair	Christina Schneider Christina.Schneider@wsv.bund.de
IMG		Malcolm Nicholson m.nicholson@sealite.com
Secretary-General		Francis Zachariae francis.zachariae@iala-aism.org
Deputy Secretary-General		Omar Frits Eriksson omar.eriksson@iala-aism.org
Technical Operations Manager		Minsu Jeon minsujeon@iala-aism.org
Technical Officer		Thomas Southall tom.southall@iala-aism.org
Communications Officer		Audrey Guinault audrey.guinault@iala-aism.org

ANNEX C LIST OF INPUT PAPERS

Meeting	Agenda Item	Input Paper Title	Source
PAP54-	1.2.1	Provisional Agenda	Secretariat
PAP54-	3.0.0	Input paper template	Secretariat
PAP54-	3.1.1	Input paper list	Secretariat
PAP54-	2.1	Action items	Secretariat
PAP54-	4.2.1	Report to the committee_MSC 108	Secretariat
PAP54-	4.2.2	IALA Report NCSR 11	Secretariat
PAP54-	4.4.1	IALA Report on ITU-R WP5B meeting 14 to 24 May 2024	S. Bober
PAP54-	4.4.1.1	R23-WP5B-C-0096!N12!MSW-E revision Rec-R M1371-5	ITU
PAP54-	4.4.2	R23-WP5B-240514-TD-0031!!MSW-E	ITU
PAP54-	6.2.1	LN to PAP from ARM18 Overview of AIS documentation (ARM18-11.2.4)	ARM18
PAP54-	6.2.1.1	Appendix to liaison note ARM18 AIS (ARM18-11.2.4.1)	ARM18
PAP54-	6.9.1.1	LN to PAP from ARM on IALA role in arena of Ship Reporting (ARM18-11.3.9)	ARM18
PAP54-	6.9.2.1	LN to PAP on MRN Harmonization	ARM18
PAP54-	7.1.1	Committee work programme 2023-2027 Rev1.docx	Secretariat
PAP54-	7.3.3.1	Input paper on Sustainability	ENG Chair
PAP54-	7.3.3.1.1	Programme Overview_v1.0	ENG Chair
PAP54-	8.3.1	Proposed meeting dates 2025	Secretariat



ANNEX D LIST OF OUTPUT PAPERS

Meeting	Agenda Item	OUTPUT PAPERS
PAP52-	12.1	Report of PAP54



ANNEX E ACTION ITEMS

<i>That PAP members review the workshop on sustainability programme and within the technical committees if necessary, and to provide feedback and potential presenters to Alwyn Williams by PAP56.....</i>	<i>15</i>
<i>That the Secretariat forwards all output papers from the MTF associated with the deliverables of the Task Force to all committees.....</i>	<i>12</i>

