



# IALA POLICY ADVISORY PANEL

## REPORT OF THE 60<sup>TH</sup> SESSION OF THE IALA POLICY ADVISORY PANEL (PAP)

**2 - 6 February 2026**



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International Organization for Marine Aids to Navigation

# Executive Summary

The 60<sup>th</sup> session of PAP was held in person between 2 – 6 February 2026.

Key outcomes included:

- Noted the proposal on ICOEs and provided comments to the future process and corresponding formal framework relating to ICOEs.
- Noted the update on the Work Programme and agreed that committee chairs would continue close coordination on cross-committee tasks, including ongoing MASS-related work.
- Noted the update on implementation of the S-100/S-200 series and agreed to revisit the Dictionary and associated processes at a future PAP session.
- Noted the update on digitalisation harmonisation and affirmed that DTEC Task 7.1.1 should be developed into a strategic reference for all digitalisation-related work.
- Endorsed the transfer of MRN guideline ownership to DTEC, noted that ARM will prepare a new guideline for S-201 implementation and invited VTS to consider its approach to MRN assignment for VTS infrastructure at a future meeting.
- Recognised that development of the 2027–2030 Work Programme will require prioritisation, realistic timelines and clear ownership of cross-committee tasks and agreed that the spring 2027 PAP meeting will be the principal opportunity for alignment.
- Supported the establishment of a sustainability working group under ENG and the development of an outward-facing sustainability document for the 2027 Conference.
- Agreed that sustainability work now requires coordinated prioritisation across committees, confirmed the ENG working group as the focal point and invited committees to review their current tasks and provide feedback.
- Agreed that ARM will continue coordinating the NAVGUIDE revision, with committees providing inputs by autumn 2026 and noted the need to identify an editor for the next edition.
- Agreed to consolidate cyber-security tasks into a single ARM-led task, noted that Task 5.2.1 will be discussed with the Worldwide Academy before any transfer and confirmed that cyber-security should be addressed within broader digital-resilience work.
- Welcomed the strengthened relationship with IMO following IALA's formal recognition as an intergovernmental partner and acknowledged the increased opportunities for influence and cooperation
- Noted the update on the MCP and endorsed continuation of the feasibility study based on DTEC's proposed questions.
- Considered the Strategic Vision and the Drivers and Trends during a dedicated workshop and noted that the Secretariat will take the findings forward.
- Concluded that only minor issues had been identified in Articles 10–12 of the General Regulations and agreed to revisit the matter at PAP61 should formal amendments be required.
- Noted ongoing development of the new online Task Tool and agreed to provide feedback during the next committee cycle.
- Endorsed the general principles for inter-committee communication and drafting and agreed that the Secretariat should continue developing collaborative tools in line with them.
- Agreed that the quality assurance process is a step forward for improving the clarity and consistency of documents and consistency across documents, but that it will have impact upon the flow of committee output due to the additional time required. It was also agreed that the proposed structure for recommendations will need further consideration.
- Noted the increasing international focus on resilient PNT and its relevance to future work.



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# Report of the 60<sup>th</sup> Session of the IALA

## Policy Advisory Panel

### GENERAL

The 60<sup>th</sup> session of the Policy Advisory Panel (PAP) was held on 2 – 6 February 2026 in person, with Phil Day, Northern Lighthouse Board (UK) as Chair, Serhat Aytugel, Directorate General of Coastal Safety (Turkey) as Vice Chair and Thomas Southall as Secretary.

## 1. WELCOME AND OPENING REMARKS

### 1.1. WELCOME BY THE DEPUTY SECRETARY-GENERAL

The Deputy Secretary-General welcomed the Panel and confirmed that the contract for the Organization's new premises had been signed. The process involved a preliminary contract followed by the final contract, scheduled for signature in March, which would start work on the building. The premises has been empty for a long period, but early assessments appeared promising with substantial space available.

The plenary hall will be located in the front of the building. Completion of the plenary hall was expected to take three years, extending to 2029. Interim solutions were being explored, including the possible use of a nearby venue or an external location.

The Deputy Secretary-General also noted that Councillors had recently visited the Conference venue in Mumbai and had been satisfied with the facilities.

### 1.2. APPROVAL OF AGENDA

The agenda (input paper PAP60-1.2.1) was approved. The approved agenda is provided in ANNEX A.

### 1.3. APOLOGIES AND INTRODUCTIONS

Apologies were received from the LAP Chair and Vice Chair, Thomas Arculus and Tiago da Silva Benavente.

### 1.4. REVIEW OF ACTION ITEMS

The PAP Secretary, Thomas Southall, highlighted most actions were either completed or superseded, the following actions remain open:

- That the Secretariat will explore collaborative platforms for collaborative document development.
- That the Secretariat will examine different options for structuring committees to continue to remain effective.
- That the Secretariat explore the possibility of an MoU with CIE.

### 1.5. REVIEW OF INPUT PAPERS

Members noted the input paper list (PAP60-1.5.1).

## 2. COMMITTEE COORDINATION AND WORK PROGRAMME

### 2.1. UPDATES FROM OTHER BODIES

#### 2.1.1. IALA INTERNAL ORGANS

Minsu Jeon, Technical Director, reported that the Council met in Mumbai from 8 – 12 December 2025. Several observers attended, including representatives from Portugal, Tunisia, Qatar, Oman and Russia.

Regarding governance and policy matters, the Council approved the revised Staff Rules and adopted the Policy on Submission and Co-sponsoring of Documents to Other Intergovernmental Organisations. It reviewed the Treasurer's report on the financial situation and approved the updated Committee Work Programme for 2025–2027. The Council also endorsed continued work on the concept of IALA Centres of Excellence and asked the Secretariat to develop a governance and designation framework, which is covered below.

On committee outputs, the Council approved several ARM Committee documents, including a new Recommendation on the digitalisation of Marine AtoN and services for vessels of varying autonomy, a revised Guideline on the IALA domain within the IHO GI Registry and a new Guideline on drone operations for AtoN and VTS infrastructure management. The ENG Committee's approved outputs included revised recommendations on Racon service capability and Marine Racons and editorial updates to the Guideline on branding and marketing of heritage lighthouses. The VTS Committee outputs included revised recommendations and guidelines on VTS communications, VTS personnel training and a new Guideline on English communication competency testing. The revised Model Course on revalidation training for VTS personnel was also approved. From the DTEC Committee, the Council approved revised recommendations on Application Specific Messages and an enhanced technical specification for the Maritime Service Registry.

Regarding events and appointments, the Council approved the third joint IHO–IALA workshop on S-100 and S-200 validation and the Digital@Sea International Seminar to be held in March 2026. It appointed Thomas Arculus as Chair of the Legal Advisory Panel, Tiago da Silva Benavente as Vice-Chair and, following a vote, Trond Ski as Vice-Chair of the VTS Committee. It also agreed to progress preparations for the 15th IALA Symposium in January 2029.

For World Marine Aids to Navigation Day, the Council approved hosting the 2026 main event in the Republic of Korea and the 2027 event in Georgia. It endorsed changes to the Heritage Lighthouse of the Year selection rules, expanding eligibility to Associate Members and adjusting timelines. Evangelistas Lighthouse in Chile was designated the Heritage Lighthouse of the Year 2026.

Finally, the Council noted that Headquarters would have no meeting space during the first half of 2027 due to the new building project. Committee meetings during this period would need to be hosted by Members, who were invited to notify the Secretariat by 31 March 2026.

Thomas Southall, Technical Operations Manager, then reported that, following the transition to an intergovernmental organization, demand for technical development, training, standardisation and capacity-building had increased. Several Member States had expressed interest in hosting centres to support this work without creating financial burden for the wider membership. The concept of IALA Centres of Excellence (ICOEs) had first been raised at Council C79 in 2023 but was deferred until after the IGO transition. The proposal was reintroduced at Council C03 in December 2025. Council requested Member comments by the end of February 2026 and endorsed continued development of the concept. The Secretariat had been tasked with preparing a formal framework covering designation, governance, timelines and integration into the work programme.

The objective of this item was to update PAP, collect comments to inform development of the framework and ensure alignment between potential centres and IALA's strategic and technical priorities.

During discussion, PAP raised several key points:

- Members emphasised the importance of underlining the committees as a core decision-making body. ICOEs would be expected to contribute research, testing and technical inputs for committee consideration. The Secretariat confirmed that ICOEs would not hold decision-making authority, would not bypass committees and would operate under a formal framework with clear oversight.
- Members recognised that, with appropriate governance, centres could provide valuable research, testing capability and specialist support, particularly in technically demanding areas and emerging digital services where committees currently needed additional capacity.

- Several members suggested exploring alternative terminology, such as research centres or centres for experimentation, as these titles might better reflect the intended purpose, support clarity of role in relation to committees and help minimise potential political sensitivities.
- The Worldwide Academy noted that additional capacity in research, training and technical support could be beneficial, especially for regions with limited resources.
- Members noted the importance of avoiding regional or geopolitical sensitivities and ensuring that centres did not unintentionally create disparities in participation or influence among Member States.
- Members recognised that some States were willing to invest resources in specific technical areas and that, with strong governance, such initiatives could enhance the Organizations overall technical capability.
- Members highlighted the importance of broad and balanced participation across all committees, observing that the framework should support equal opportunities for contribution and prevent differences in resources from unintentionally discouraging engagement.
- Members stressed the need to maintain strong and inclusive committee participation and that the framework should ensure centres support, rather than reduce committee engagement.
- Members also highlighted the importance of safeguarding balanced input from all Member States, ensuring that variations in capability or investment did not give the impression of tiers of influence.

**The PAP noted the Council report provided.**

**The PAP noted the proposal on ICOEs and provided comments to the future process and corresponding formal framework relating to ICOEs.**

### **2.1.2. IMO**

Minsu Jeon provided an overview to the PAP of recent and upcoming IMO work.

MSC 111 was expected to formally adopt the SOLAS amendments for the AIS/VDES carriage requirement, previously approved at MSC 110, with an entry-into-force date of 1 January 2028. The meeting was also expected to adopt the non-mandatory MASS Code, which would act as a preparatory framework ahead of the mandatory Code planned for 2028. MSC would additionally consider amendments related to the World-Wide Radionavigation System, including SBAS and ARAIM and note guidance on cybersecurity and software maintenance. During discussion, PAP sought clarification on the nature of the VDES carriage requirement and the expected timeline for the non-mandatory MASS Code.

NCSR 13 was expected to focus on digital navigation and connectivity, including review of the S-100 framework, IP-based connectivity and digital route exchange. Minsu Jeon noted that IMO continued to move forward with S-100 services and IP-based ship–shore connectivity recognised as important enablers but not yet forming mandatory SOLAS requirements. The meeting would place emphasis on trials, operational guidance and human-element considerations to avoid over-reliance on automation. NCSR would also continue its work on Maritime Safety Information, GMDSS, e-Navigation and NAVDAT-related circulars. VTS and DTEC had commented on the relevant papers, with the final version to be completed the following week.

IALA has submitted two papers to NCSR13:

- one presenting a harmonised connectivity architecture for S-100 ECDIS implementation based on SECOM and MCP, outlining functions for identity, trust, security and service discovery.
- one reporting the outcomes of the workshop on IMT for Marine Aids to Navigation, highlighting how technologies such as 5G and future 6G could support digital AtoN, VTS and maritime services and identifying operational use cases, challenges and requirements.

PAP was informed of an information paper to the IMO FAL Committee proposing guidance on port nautical information, prepared by the Netherlands and supported by several States and organisations. The work aimed to harmonise navigation-related information provided by ports, an area not currently standardised at international level. While not requiring direct involvement at this stage, the topic was relevant due to its links

with digital ship–shore information flows and future interfaces with S-100, S-200 and VTS-related services. The Technical Director noted that IALA should monitor developments and engage once the work was approved.

Minsu Jeon also reported on the joint IMO–IHO–IALA regional workshop on S-100 implementation held in Turkmenistan in December 2025. The workshop supported States in the Black Sea and Caspian Sea region as they prepared for the transition to S-100-capable ECDIS. It provided a forum for discussion of technical specifications, operational readiness and implementation challenges. The event demonstrated the value of close cooperation between IMO, IHO and IALA and confirmed differing levels of readiness among States, highlighting the ongoing need for coordinated capacity-building, targeted training and clear technical guidance.

**The PAP noted the IMO update provided.**

### **2.1.3. IHO**

Minsu Jeon reported that cooperation between IALA and IHO had strengthened over the past year, particularly to ensure coherent development between the S-100 and S-200 frameworks. IALA had continued to participate in the IHO Hydrographic Services and Standards Committee and the Worldwide Academy had joined several Regional Hydrographic Commission meetings. In return, IHO had begun attending IALA committee meetings. This two-way engagement had proven important for maintaining alignment between product specifications and avoiding divergence between the two frameworks.

In terms of capacity building, the IMO–IHO–IALA Joint Workshop held in Turkmenistan in December 2025 had been delivered successfully and cooperation had continued through two S-200 training activities, with IHO experts contributing as lecturers in IALA-led sessions. This approach allowed expertise to be shared efficiently and promoted consistent technical messaging to Member States.

Planning was under way for a Joint IHO–IALA Workshop in Istanbul in September 2026. The focus would be on practical implementation challenges and interoperability issues between the S-100 data model managed by IHO and the S-200 data model coordinated by IALA. The VTS Committee had requested representation on the Steering Committee and a VTS representative had now joined.

During discussion, PAP members highlighted the importance of engaging IHO early in the development of S-200 product specifications, noting that recent work on S-125 had shown the value of shared understanding to ensure interoperability and avoid differing interpretations. Members emphasised that early dialogue helped reduce confusion between layers and supported coherent development across both frameworks.

PAP noted the progress in IALA–IHO cooperation and the success of recent joint initiatives and members were invited to provide feedback on issues to be addressed at the Joint Workshop in September 2026.

**The PAP noted the IHO information provided.**

### **2.1.4. ITU**

Minsu Jeon introduced the report from ITU-R Working Party 5B, which had met in November 2025. He noted that Stefan Bober attended as the IALA representative and that the report would be made available to all committees.

WP 5B had finalised revisions to several ITU-R Recommendations relevant to the maritime domain, including those covering maritime identities, AIS, systems for broadcasting maritime safety and security information in the HF and VHF bands and the VDES. WP 5B had informed IALA, together with IMO and IEC, that these revised Recommendations had been adopted by ITU-R Study Group 5 and would be circulated to the ITU membership for approval by correspondence.

Minsu Jeon highlighted that this liaison confirmed continued progress at ITU on radio standards underpinning key areas of IALA’s work, including VDES, digital maritime services and future connectivity frameworks. The update also reinforced the importance of maintaining close coordination between ITU, IMO, IEC and IALA as these standards moved towards implementation.



During discussion, DTEC and ENG were invited to review the updated Recommendations to ensure their documents remained current. Members noted the need to check message definitions, particularly AIS message 28, given recent additions and changes in numbering. It was agreed that the Secretariat prepare a short submission to ARM to ensure these points were addressed before upcoming committee meetings.

**The PAP noted the information on ITU provided.**

**Action item:**

*That the Secretariat provide an update to ARM to clarify message definitions, particularly AIS message 28, given recent additions and changes in numbering.*

**2.1.5. DIGITAL@SEA**

Minsu Jeon provided an update on recent Digital@Sea activities and plans for 2026. Two regional events had been held in 2025. Digital@Sea Asia-Pacific took place in Seoul in October as part of Korea Maritime Week and brought together a broad range of international stakeholders to discuss maritime digitalisation, including S-100, IP-based connectivity, VDES, artificial intelligence and navigation-related topics. Digital@Sea North America was held earlier in the year in Atlantic Beach, Florida, with a focus on regional developments and engagement with North American stakeholders.

For 2026, three Digital@Sea events were planned. Digital@Sea International would take place on 16 – 17 March 2026 at Headquarters, covering resilient navigation, S-100 and S-200-based services, secure IP-based data distribution, connectivity frameworks such as VDES and MCP and the responsible use of artificial intelligence. Digital@Sea Asia-Pacific was scheduled for 26–28 October 2026 in Korea and Digital@Sea North America would be held on 6–7 May 2026 in Fort Lauderdale as part of wider RTCM–IALA collaboration.

Minsu noted that the Digital@Sea series continued to provide an important platform for dialogue between authorities, international organisations and industry and supported alignment between practical implementation experience and technical and strategic work.

In discussion, committee chairs were encouraged to promote the events and to highlight that IALA continued to seek a host for future Digital@Sea International conferences.

**The PAP noted the information on Digital@Sea provided.**

**2.1.6. 3GPP**

Minsu Jeon reported that in November 2025 IALA and 3GPP had formally signed a Market Representation Partnership (MRP). This ensured that maritime operational requirements would be recognised within the 3GPP ecosystem alongside other global industry sectors. Through the MRP, IALA, primarily via DTEC, was now able to introduce maritime requirements into the 3GPP standardisation process and contribute to future releases, including Release 21 relevant to IMT-2030. He emphasised that this did not turn IALA into a telecom standards body but ensured that future global communication standards considered maritime safety and operational needs from the outset.

He noted that DTEC task 6.2.1 was developing a guideline on IMT-2030 standards to define maritime requirements, service needs and regulatory aspects, supporting the effective use of 5G and 6G technologies in navigation. The guideline focused on the expected long transition period during which legacy equipment, traditional AtoN and new digital systems would coexist. It also outlined use cases including the Maritime Buoyage System, resilient PNT, VTS and emerging digital maritime services, demonstrating how IMT could support safety, efficiency and innovation at sea.

Members welcomed the strengthened collaboration with 3GPP and highlighted the value of ensuring maritime requirements were represented early within major telecommunications and digital standards bodies.

**The PAP noted the information provided on 3GPP.**

**2.1.7. ISO**

No matters arising.

### 2.1.8. OTHER (PIANC, CIRM, IMPA, & IHMA ETC.)

#### ETSI

Minsu Jeon also briefed PAP on recent engagement with ETSI. He had attended a meeting of the ETSI Technical Committee on Data the previous week, where two new work items of direct relevance to the maritime domain were approved. The first concerned development of a harmonised digital identity for maritime assets based on the Maritime Resource Name (MRN), addressing fragmentation across identifiers such as IMO numbers, MMSI and device-specific IDs. The output would be a Technical Specification covering identity binding, discovery, resolution and lifecycle governance, while maintaining compatibility with IHO and IMO standards.

The second work item focused on trust and security, proposing a privacy-aware trust model for maritime shipping based on distributed ledger technology. The approach combined a private authority-level channel with a public pseudonymous certificate layer to balance trust and privacy. Given the overlap with IALA's work on digital identity, trust frameworks and S-200 services, Minsu had invited the ETSI task lead to participate in upcoming DTEC meetings to support early alignment and avoid duplication. Who they are – relevant to our work.

#### IHMA

A brief update was provided on liaison with IHMA. Contact had been made on port call optimization and the matter will be monitored.

**The PAP noted the information provided on ETSI and IHMA.**

### 2.1.9. DTEC

Hideki Noguchi, DTEC Chair, provided an update on recent DTEC activities. He noted challenges with meeting space during the last session, particularly for presentations and welcomed the improved facilities once the new premises were available.

He informed PAP that, during the closing plenary, DTEC members had been asked whether they wished to hold an additional meeting in autumn 2027. As 2027 would be Conference year, only one standard committee session was planned, but continued engagement, especially on work linked to ITU, was considered important. Initial feedback indicated interest in holding an extra meeting.

**The PAP noted the information provided on DTEC.**

### 2.1.10. VTS

Monica Sundklev, VTS Chair, reported that VTS58 had been a productive meeting, as previously noted at the last PAP session. Four documents had been forwarded to Council and progress continued S-211 on Route Exchange and the corresponding Service Design document.

**The PAP noted the information provided on VTS.**

### 2.1.11. ENG

Alwyn William, ENG Chair, reported that ENG will continue work from the previous session, including follow-up activity related to Leading Lights and R-Mode.

He noted that AtoN sustainability was likely to be an area of increased focus during the upcoming meeting, supported by the paper submitted to PAP. He expected further discussion on how the committee could address sustainability internally, particularly within working groups.

**The PAP noted the information provided on ENG.**

### 2.1.12. ARM

Guttorm Tomren, Chair of the ARM Committee, reported that ARM had continued its intersessional work on S-100-related product specifications, particularly S-125. Version 1.0 had been forwarded to IHO, noting that

IHO retained ownership of the specification. Some revisions were expected, including further refinement of status information and alignment with IHO's approval process.

He explained that broader discussions were under way regarding how IHO would approve the future digital List of Lights, noting that the shift from varied national paper and PDF formats to a single digital S-100 approach required a clear forward-looking strategy.

He also highlighted several long-term ARM tasks, including ongoing work on the AIS documentation, which he hoped could be completed at ARM22. He noted that progressing some work items had been challenging due to frequent rotation of task group participants between meetings, leading to repeated rewriting and slowing completion. During discussion, members acknowledged the difficulty caused by changing task group membership and stressed the importance of task group leaders having sufficient authority to close work when appropriate.

A question was raised about the future of work related to MASS. It was confirmed that the former MASS Task Force had concluded with the transition to the new organisation and that any further MASS-related work would now proceed directly through the committee work programme.

**The PAP noted the information provided on ARM.**

#### **2.1.13. AIMG**

Malcolm Nicholson, AIMG representative, reported that the AIMG met online in December, with most of the discussion focused on preparations for the upcoming Conference and Exhibition. The group agreed amendments to the Conference Guideline, particularly relating to the exhibition and evening events.

He noted that all points raised by the AIMG in December had been addressed by the Conference Steering Committee at its meeting the previous day and welcomed the strong level of cooperation between the groups.

**The PAP noted the information provided on the AIMG.**

#### **2.1.14. LAP**

No matters arising.

#### **2.1.15. WWA**

Vincent Denamur, WWA Dean, reported on World-Wide Academy activities for 2025. He noted that the year had been highly productive, with strong participation across training and capacity-building activities. Many Level 1.1 (AtoN Manager) training sessions and Level 1.2 (AtoN Senior Manager) sessions had been delivered, including the first Level 1.2 courses held in Chile and China. Several workshops and specialised training activities had also been conducted, including sessions in Spain and Cameroon, as well as S-100 / S-200 training supported by the Republic of Korea.

The Academy had continued to contribute lectures to international maritime training institutions and had supported multiple risk-management and capacity-building events worldwide. Participation in IHO Regional Hydrographic Commission meetings and other inter-agency coordination groups also continued, with IALA hosting the Joint Capacity-Building Coordination Group meeting during the year.

The Dean outlined growing operational demands linked to the expansion of training activities and confirmed that the Academy was in the process of recruiting an additional staff member dedicated to education and training. This role would strengthen support for training delivery, e-learning development, accreditation processes and curriculum evaluation.

He presented the Academy's action plan for 2026, which focused on supporting States facing increased activity, strengthening governance and digitalisation efforts and expanding regional cooperation. Planned work included engagement with the Philippines, continued cooperation with Indonesia and further follow-up missions to ensure sustained capacity development. Level 1.2 courses were planned for 2026, with sessions expected in Korea, India and Saudi Arabia and additional Level 1.3 activity planned in Italy. New regional

seminars were scheduled for Latin America and Africa, the latter being the first such seminar in Africa since 2015.

The Academy would continue to deliver S-200-related training in partnership with the Technical Division, with sessions planned at Headquarters and under discussion for the Americas region. Technical missions were also planned in countries including Gambia and the Philippines, with further engagements under consideration.

Vincent Denamur highlighted upcoming work to review and update the Level 1.1 AtoN Manager Model Course. The Academy intended to carry out preparatory work during 2026 to support the relevant technical committees.

He concluded by confirming that the Academy would continue to coordinate closely with the committees as training needs evolve and invited PAP members to contact him for further information or engagement.

**The PAP noted the information provided on the WWA.**

## **2.2. COMMITTEE WORK PROGRAMME 2025 – 2027**

Minsu Jeon reported that the Council had approved the revised integrated Work Programme for 2025 – 2027 without changes. He highlighted that several priority tasks were cross-committee in nature, particularly those relating to MASS, digitalisation, cybersecurity, S-100/S-200 implementation and associated training needs.

Minsu emphasised that no new coordination mechanisms were proposed at this stage. Instead, he encouraged each committee to remain aware of cross-cutting implications when progressing its own work items and to recognise where tasks had direct relevance for others.

PAP discussed the handling of MASS-related tasks within the new work programme. Members sought clarity on whether Council's decision to close the former MASS Task Force affected ongoing work. It was confirmed that the development of guidelines and associated material should continue within the committees as part of their approved work items.

Several members noted that work on MASS would require contributions from multiple committees and would need to be coordinated carefully. ARM confirmed that it would lead coordination of documentation and ensure that contributions from other committees were incorporated. Members discussed the likely structure of future MASS guidance, recognising that the final approach, whether a single guideline with annexes, or multiple committee-specific inputs, would depend on the volume and nature of working papers developed over the coming sessions.

PAP acknowledged that some work items in the approved programme would not realistically be completed within the current three-session cycle and that prioritisation would be necessary. Chairs noted that unfinished high-priority tasks, including MASS, would need to be considered carefully when shaping the next work programme.

Members also highlighted the importance of continued inter-committee collaboration, citing the recent successful development of the MASS Recommendation as an example of effective cross-committee working.

**The PAP noted the update on the work plan and agreed that committee chairs would continue to coordinate closely on cross-committee tasks, including ongoing MASS-related work.**

### **Action item:**

*That the Secretariat add MASS as a standing item to the PAP agenda.*

## **2.3. IMPLEMENTATION OF S-100 / S-200 SERIES UPDATES**

Minsu Jeon introduced the update on S-100 and S-200 Product Specification development. He provided an overview of progress across all committees. Good progress had been made during the second half of 2025 in the AtoN, positioning, communications and VTS domains.

From ARM, S-201 Edition 2.0.0 and S-125 Edition 1.0.0 had been developed and forwarded to the IHO NIPWG. A significant number of comments had been received, many applying to both specifications. These had now been reviewed and would be reflected in S-201 Edition 2.1. Joint participation by the IHO NIPWG Chair and Secretariat at ARM21 had been helpful in aligning views, particularly on the future direction of S-125 within the S-100 framework. Minsu Jeon noted that many Members continued to experience practical difficulties in producing S-201 datasets; upcoming World-Wide Academy training sessions on S-200 would provide stronger guidance on dataset creation. Promotional material would also be prepared for discussion at the next ARM meeting.

From ENG, work focused on consolidating PNT-related specifications, moving toward two clearer structures: S-241 and S-242, with further development planned. The VTS Committee had continued steady progress on S-212 through close coordination between the operations and technology working groups, including development of related technical services such as traffic clearance and route exchange. Progress had also been made on S-210, with a restructured and updated data model and further intersessional work planned.

S-200-related training continued to attract strong interest from IALA, IMO and IHO communities, with two training sessions scheduled in the coming months.

Minsu reminded PAP that S-200 development was closely linked to the Dictionary, the Questionnaire and future plans for a potential global Marine AtoN database. Harmonisation of data elements across product specifications would support the update of dictionary content and improve the effectiveness of questionnaires and topical surveys. Once datasets from all specifications had been collected, they would together form a global AtoN dataset.

Members discussed the dictionary in depth, with several raising issues around definitions across documents and the need to align terminology between S-201, S-125, IHO standards and existing IALA guidance such as the NAVGUIDE. Members noted that multiple definitions sometimes existed for the same term but depended on context, which created challenges for interoperability and implementation.

Members agreed that harmonised definitions and would improve training and practical data transformation. The need for a clear process for updating the dictionary was highlighted. It was noted that while significant rationalisation had been undertaken in 2023, the dictionary required further work. ARM and other committees had ongoing work to identify misalignments and develop harmonised definitions.

Members also noted real-world difficulties encountered during national S-100 trials, including inconsistent naming, unexpected transformations of attributes during S-101 production and mismatches between S-201 and S-101. These challenges underscored the importance of harmonised definitions and closer coordination between IALA and IHO.

PAP agreed that an update on the status and future plan for the Dictionary should be provided at the next physical PAP meeting, including timelines and an approach for integrating definitions from product specifications.

**PAP noted the update on implementation of S-100 / S-200 series and agreed to discuss the Dictionary and associated processes at a future PAP session.**

**Action item:**

*That the Secretariat provide an update on the status and future plan for the Dictionary at a future PAP session.*

## **2.4. DIGITALIZATION**

### **2.4.1. DIGITALIZATION HARMONIZATION**

Minsu Jeon introduced the agenda item and noted that digitalisation was being advanced in parallel across all four committees from different perspectives: ARM through policy, DTEC through technology and data, ENG through infrastructure and PNT and VTS through operational implementation. This diversity was natural but underscored the need for a shared and coherent organisational framing of digitalisation.

He highlighted that DTEC task 7.1.1, which aimed to produce a discussion paper on IALA's vision for digitalisation, would serve as an important common reference point. The current draft, however, reflected a bottom-up, committee-centric view and did not yet provide a clear organisation-wide strategic vision. He noted that this was an expected outcome of how the work had evolved, not a criticism. Further refinement was needed to distinguish between committee-specific digital initiatives and the overarching strategic vision for digitalisation.

Minsu proposed that the vision statement within the draft document be discussed during the upcoming PAP Strategy workshop that met on the Thursday of this session of the PAP, where the broader strategic context was more appropriate. He added that the title of the document should also be reconsidered so that it better reflected its purpose as a strategic reference rather than a compilation of ongoing technical activities.

Members agreed that the work to date had been largely bottom-up, reflecting contributions from across the committees and that consolidating these inputs into a strategic, organisation-wide perspective would be valuable.

PAP members supported revising the title to better reflect the document's intended purpose. It was agreed that the current list of digitalisation-related tasks across the committees should also be fed into the Strategy workshop to support a coherent discussion.

Members commented that digitalisation had initially been included widely across the Work Programme due to its emerging importance, resulting in multiple overlapping tasks. The same had occurred with cybersecurity. It was agreed that it was important to align these activities with a more mature understanding of IALA's digital priorities.

**The PAP noted the update on digitalization harmonization and agreed that DTEC task 7.1.1, which aims to produce a discussion paper on IALA's vision for digitalisation should now be developed as a strategic reference point for all work related to this topic.**

## 2.5. MRN UPDATE

Minsu Jeon reported that the MRN had evolved from an IALA universal naming convention (URN-based) for IP-centric platforms such as the Maritime Connectivity Platform into a cross-cutting identifier adopted by IHO as the primary identification mechanism for the S-100 framework. As a result, MRN was now relevant beyond AtoN and VTS and had organisation-wide implications.

He outlined the committee responsibilities. MRN had been developed in DTEC, transferred to ARM for practical implementation and then returned to DTEC as deeper technical work on services, identity management and interoperability was required. DTEC now led MRN-related technical work, including the management of Organisation Identifiers (OIDs). ARM and VTS remained responsible for domain-specific aspects, such as numbering schemes and potential harmonised databases for AtoN or VTS use cases, while core concept, structure and governance were handled centrally in DTEC.

Minsu Jeon highlighted related external work at ETSI, where a new Technical Specification would define how MRN could be integrated into ETSI technologies (e.g., oneM2M, MEC and AI frameworks), addressing fragmentation among IMO numbers, MMSI and device-specific identifiers. This ETSI work was expected to begin early this year.

Discussion highlighted that:

- ARM confirmed intersessional agreement with DTEC that Guidelines G1143 and G1164 should transfer to DTEC ownership. A new ARM-led guideline would be developed to cover MRN use in S-201 and related implementation aspects. Committees agreed to update the Work Programme to reflect these changes and to provide a status update at the next PAP.
- *It was noted that VTS was still considering whether MRN should be assigned to infrastructure and services, recognising the tension between unique identifiers and potential exposure of sensitive sensor locations.*



- It was noted that a pending DTEC submission related to MRN/IMO referencing remained to be finalised; DTEC would confirm details before the next session. Members reiterated that MRN follows a hierarchical namespace model (akin to URLs), with IALA focusing on use within the IALA namespace while enabling other bodies, including IMO, to adopt structures appropriate to their needs.

**The PAP noted the update, endorsed the transfer of MRN guideline ownership to DTEC with a new ARM guideline for S-201 implementation and invited VTS to *consider* its approach to MRN assignment for VTS infrastructure at a future meeting.**

**Action item:**

*That the Secretariat add MRN to the agenda of the next in person PAP.*

## **2.6. FUTURE WORK PROGRAMME**

Minsu Jeon introduced the agenda item and recalled that PAP58 had agreed to begin the formal planning phase for the 2027 – 2030 Work Programme. He emphasised that the purpose of this update was to ensure all PAP members and through them all committee participants, had a clear understanding of the established timeline. No decisions were required at this stage. He outlined the phased approach: committees would begin identifying new and emerging tasks during the first half of 2026, hold detailed discussions and submit initial proposals during the second half of 2026 and review the consolidated draft programme in the first half of 2027. The draft would then be refined during the second half of 2027 and submitted to Council, with the newly elected Council in late 2027 expected to approve the final Work Programme.

PAP held a detailed discussion on how the process should be managed. Several members suggested that the spring 2027 face-to-face PAP meeting should be used to review committee proposals in depth, particularly to address overlaps like those experienced previously with digitalisation. While it was recognised that the meeting could not finalise the entire Work Programme in a single session, members agreed it was the appropriate point to consolidate inputs and assess whether further intersessional work would be needed. Minsu Jeon confirmed that an additional PAP session, including an intersessional one, could be arranged if required.

Members noted that potential changes to committee structures arising from discussions later in the agenda could affect the shape of the Work Programme and that the planning process would need to take this into account. Committees were encouraged to review their existing tasks and identify which items should be carried forward, which should be reprioritised and which were no longer relevant. Several members observed that some tasks had remained on work plans for several years without progressing and that the next programme should avoid unnecessary duplication, especially for cross-committee tasks where multiple committees might otherwise submit similar proposals.

There was broad agreement that more realistic scheduling was necessary. Members noted that when substantial items were submitted late in the cycle, consideration often took an entire year due to the timing of committee sessions. As such, the next Work Programme would need to reflect actual committee capacity, bearing in mind the limited number of sessions available before the next Conference.

Discussion encouraged continued use of the online task tool to improve transparency, support prioritisation and make dependencies between committees clearer. It was discussed whether a rolling Work Programme, updated continuously rather than fixed to a cycle, could provide greater flexibility and agility. PAP noted that the approach had merit but would require further internal consideration.

**PAP noted that the development of the 2027–2030 Work Programme would require careful prioritisation, realistic timelines and clear ownership of cross-committee tasks. It was agreed that the spring 2027 PAP meeting would be used for reviewing and aligning committee proposals.**

**Action items:**

*That the Secretariat add to the agenda of the in-person PAP session first half of 2027 dedicated time to review the future work programme in depth.*

*That Committee Chairs review their existing tasks and identify which items should be carried forward, which should be reprioritised and which were no longer relevant.*

*That the Secretariat consider a proposed rolling Work Programme, updated continuously rather than fixed to a cycle, to provide greater flexibility and agility.*

## **2.7. SUSTAINABILITY**

Alwyn Williams introduced the item and noted the momentum generated by the Sustainability Workshop held in Dun Laoghaire in October 2025. He reported that the workshop had produced five clear conclusions: the continued relevance of the UN Sustainable Development Goals, the need to address climate impacts, the importance of training and capacity building, the value of developing a sustainability document for wider communication and the need for shared learning through events. The paper before PAP focused on the two potential actions required to progress this work: establishing a coordinated mechanism for sustainability within IALA and developing a sustainability-focused document.

He outlined two options for the coordination mechanism. The first was to create an inter-committee task force, similar to the former MASS Task Force, operating outside committee structures and reporting directly to PAP. The second option was to establish a dedicated sustainability working group within ENG, with representatives from other committees attending as rapporteurs. This could offer clearer management and potentially more consistent output, though it would require effort from other committees to participate. Draft terms of reference had been prepared for this second option but could easily be adapted if PAP preferred the task-force model.

The proposed timeline was to announce the group across all committees in spring 2026, with the first meeting, either of the working group or task force, taking place in autumn 2026. Its initial task would be to review the Secretariat's report from the Sustainability Workshop and identify work items for inclusion in the 2027 – 2030 Work Programme. The group was also expected to help steer the development of a sustainability document intended for publication ahead of the 2027 Conference.

The sustainability document itself was intended to be short, strategic and outward-facing. It would draw on the workshop's findings, align with the Strategic Vision and drivers and provide a set of agreed principles and priorities for the AtoN and VTS community. The Secretariat had previously offered to lead on drafting, with the new group providing oversight and ensuring committee buy-in. The aim would be to finalise the draft by May 2027 so that Council could review and approve it ahead of publication and launch at the 2027 Conference in India.

PAP members discussed the proposal and supported embedding the working group within ENG as the most straightforward and sustainable approach, particularly as sustainability aligned naturally with ENG's remit. Members agreed that coordination across committees would be essential and that ENG could provide a suitable home.

Members agreed that such a document should be designed for communication beyond the immediate AtoN community, while retaining consistency with the strategic framework.

Members also noted that sustainability covered a broad range of issues, including environmental impacts, operational efficiency, lifecycle considerations and sustainable fairways and that the group's role would be to organise and prioritise these topics. It was suggested that sustainable fairways, maintenance optimisation and resource impacts (including energy use and materials) should feature in future work.

PAP members agreed that the new group would need to coordinate closely with ARM and VTS on topics such as data, digitalisation and operational practice. It was noted that the group's early work would include identifying where sustainability considerations should be incorporated into existing guidelines and where new documents were required.

**The PAP supported the establishment of a sustainability working group under ENG and the development of an outward-facing sustainability document for delivery ahead of the 2027 Conference.**



## 2.8. NAVGUIDE

Guttorm Tomren provided an update on the revision of the NAVGUIDE. ARM continued to coordinate the work and during ARM21 a request was issued to all committees for updates and inputs relating to their respective sections. A deadline of October 2026 had been set for submissions. Guttorm noted that gathering committee input was only the first stage; the subsequent editing, layout and graphical work would require dedicated effort and some elements would likely need to be outsourced unless specialist capacity became available within the Secretariat.

PAP considered the future direction of the NAVGUIDE. Several members questioned whether the next edition should remain a printed book or shift to an online format. An online version was seen as easier to update, more flexible and better aligned with current practices, although a small number of printed copies might still be needed for training institutions. Members also highlighted that frequent updates would be important to avoid the NAVGUIDE becoming outdated, given its size and the volume of background content it contains.

PAP discussed the purpose and audience of the NAVGUIDE. Members agreed that it acted primarily as an introductory educational tool for newcomers to the AtoN community, offering a structured overview of how the system works and pointing readers towards relevant recommendations and guidelines. It was not intended to replicate detailed technical content already contained in standards, recommendations and guidelines.

Members noted that the NAVGUIDE would also require updates to reflect the transition to an intergovernmental organisation and changes to front-matter, branding and references. The Secretariat observed that this work would require a dedicated writer or editor to ensure coherence and quality across chapters. PAP also recognised that some background material within the NAVGUIDE was still useful for training and should not be removed without careful review.

There was broad agreement that the NAVGUIDE remained needed, both for training and as an accessible entry point to the AtoN domain. However, the format, structure and level of detail should be reconsidered as part of the revision. Committees would continue to review their sections and ARM would coordinate inputs ahead of the autumn 2026 deadline. PAP noted that the Secretariat would need to support the editorial process, including identifying a suitable writer to produce a coherent next edition. It was recognised that it may not be possible to launch the next version at the Conference in Mumbai.

**The PAP agreed that ARM would continue to coordinate the NAVGUIDE revision, committees would provide their inputs by autumn 2026 and an editor to support the next edition would need to be identified.**

## 2.9. CYBER SECURITY

The PAP considered how to manage cyber-security work going forward. It was noted that ARM had completed Guideline G1182 Cyber Security from an IALA Perspective, building on the earlier adoption of Recommendation R0124. ARM had proposed consolidating the remaining cyber-related tasks 1.4.10, 1.4.1 and 1.4.2 into task 1.4.3 to streamline the work and make it easier to manage and reference and had also suggested that task 5.2.1 (a model course on AtoN cyber-security arrangements) should be transferred to the World-Wide Academy.

ARM explained that its review of cyber-related tasks in 2022 and 2024 had identified duplication across committees, with ENG and DTEC undertaking similar work under separate tasks. ARM expressed the view that consolidation into a single ARM-led task would better support a coherent approach.

DTEC confirmed that it currently had two cyber-related tasks but had largely completed them, noting that some of the work had already been incorporated into technical guidance. ENG likewise reported that cyber-security considerations were incorporated into broader technical documents and no longer required separate tasking. Members agreed that continuing with multiple cyber tasks across committees no longer made sense and that consolidation was appropriate.

PAP also discussed the proposed model course on cyber-security. Several members questioned its intended audience and relevance, noting that earlier tasking had been created before the scope of cyber work was

well understood. The World-Wide Academy indicated that it may not be the most appropriate lead for such a course unless there were clearer demand and definition. Members suggested that cyber-security was now better treated as part of digitalisation and technical resilience rather than as a standalone training requirement.

**The PAP agreed that cyber-security tasks should be consolidated into a single ARM-led task, that task 5.2.1 should be discussed further with the World-Wide Academy before transfer and that cyber-security should be managed as part of broader digital resilience work.**

### 3. POLICY AND STRATEGY MATTERS

#### 3.1. IGO MATTERS

##### 3.1.1. IALAs WORK WITH THE IMO

Omar Eriksson briefed PAP on the significant development in IALA's relationship with the International Maritime Organization (IMO) following the transition to intergovernmental organisation status. France, as depositary of the IALA Convention, had submitted a formal request to the IMO Council for the establishment of a structured cooperation framework. The request had been endorsed by the IMO Council and subsequently approved by the IMO Assembly in December 2025. Through this, IALA was now formally recognised as an intergovernmental partner of IMO, with cooperation governed by IMO Resolution A.1168(32).

The Deputy Secretary-General explained that the agreement had several implications. First, IALA could now observe and submit documents directly to IMO under IGO rules, something previously only possible indirectly through Member States. Second, IALA's standards and guidance now carried increased authoritative weight internationally. Third, the relationship between the two organisations was now reciprocal and structured, allowing for clearer procedures and more engagement. Finally, the agreement opened the possibility for IMO to formally request technical support from IALA on matters within IALA's remit.

PAP discussed how these new arrangements might develop in practice. Members welcomed the strengthened status, noting that IALA now had greater influence and could engage on an equal footing with other IGOs. Several members reflected that although IALA had provided technical input to IMO informally in the past, this formal recognition now allowed IALA to contribute directly and more visibly, including on topics such as digitalisation, navigation services, VTS and AtoN.

Omar Eriksson explained that IMO would not issue mandatory "tasking" to IALA but could invite IALA to contribute to technical work or support specific initiatives when appropriate. Such requests would still be subject to internal procedures, including committee consideration where relevant. He also noted that the IMO Secretary-General had planned discussions with IALA's Secretary-General on how best to structure future cooperation and identify suitable areas of joint work.

PAP discussed the relevance of this framework for future task planning. Some members saw opportunities for IALA to take the lead on topics where submissions had previously been not possible because IALA was not an IGO, such as training matters, navigation services or digital maritime infrastructure. It was also emphasised that IMO's processes would continue to be Member State-driven, but that IALA could now be invited into formal cooperation mechanisms that had previously been closed to it. Members highlighted the value of being able to present IALA's technical expertise directly, without needing to rely solely on Member States to act as conduits.

There was also discussion on whether the new status might require IALA to work more closely across committees to anticipate IMO developments and ensure readiness to contribute to IMO processes. Members noted that the new cooperation framework would need to be reflected in the upcoming strategic vision discussions and in future work programmes.

**PAP welcomed the strengthened relationship with IMO and recognised the opportunities it created to increase IALA's technical influence and visibility at international level.**

#### **Action item:**

*That Committee Chairs should consider areas where IALA could contribute proactively to IMO work, reporting back to PAP61 where appropriate.*

### **3.2. IALA MCP INSTANCE**

Omar Eriksson and Minsu Jeon introduced the agenda item on the MCP, recalling that PAP59 had agreed to maintain references to IALA in IMO draft documents as a potential provider of a trustworthy intergovernmental MCP instance, while awaiting the results of the feasibility study being funded by a member from the Republic of Korea. That study was expected to assess technical feasibility, governance arrangements, operational commitments, cost implications and legal considerations. PAP's previous view was that such assessment was essential before Council could determine whether IALA should operate an MCP instance.

To support this session, the Secretariat summarised outcomes from recent DTEC intersessional meetings. These meetings, held under Task 7.1.14 ("Defining IALA's Role in MCP Trust Infrastructure"), outlined a preliminary framework for the feasibility study. The proposed study would initially focus on the Maritime Identity Registry (MIR) and Maritime Service Registry (MSR), not on the Maritime Messaging Service or the Maritime Trust System. The scope covered liability, operational models, governance, interoperability with other MCP instances, hosting options, business models and alignment with broader regulatory requirements such as GDPR and NIS2. This work would ultimately support Council in determining IALA's potential role in the MCP trust infrastructure.

PAP members considered the update and the feasibility study concept. Several emphasised that the study must be independent. Members also highlighted the importance of engaging other organisations, particularly IHO, which was also exploring an MCP instance and recognised that a joint or shared approach could reduce duplication and cost. PAP also noted that IMO's ongoing digitalisation work, including the discussions at NCSR on ship-shore connectivity via SECOM, may ultimately create a formal IMO tasking that would require IALA involvement, making early clarity on IALA's future role even more important.

During the discussion, members returned to some fundamental questions, particularly whether it lies within IALA's remit to operate an operational system. PAP agreed that this must be directly addressed in the feasibility study. Members raised further considerations including operational commitments, staffing and expertise requirements, liability exposure and options for mitigating legal risk. It was reiterated that the core issue was not the nature of the data being exchanged, but rather the trusted source, identity management and the chain-of-trust needed for secure, machine-to-machine operations especially for future S-200 services such as S-212.

PAP confirmed that the DTEC intersessional report (PAP60-3.2.2) with the questions already listed in that report formed an adequate starting point for the feasibility study. PAP added one refinement that the study should explicitly identify potential liabilities for IALA and explore options for mitigating legal and operational risks, including alternative governance or hosting structures.

It was agreed that no further questions were required at this stage and that PAP would not alter the direction previously agreed at PAP59. The feasibility study would proceed, with DTEC capturing PAP's comments and ensuring they were considered through the committee.

**The PAP noted the update on the MCP, endorsed the continuation of the feasibility study using the DTEC-proposed questions.**

### **3.3. STRATEGIC MATTERS**

#### **3.3.1. STRATEGIC VISION AND DRIVERS AND TRENDS**

A PAP workshop was held on the Strategic Vision and Drivers and Trends on the Thursday of the PAP week. The findings of this workshop will be used by the Secretariat for further consideration and development.

**The PAP considered the Strategic Vision and Drivers and Trends at a dedicated one-day workshop and the findings the workshop will be used by the Secretariat for further consideration and development.**

### **3.4. GENERAL REGULATIONS RELATED TO COMMITTEES**

Omar Eriksson introduced the item on the General Regulations, noting that Articles 10 to 12 set out the governance framework for committees, including participation rules, appointments of Chairs and Vice-Chairs and procedures for managing work programmes, meetings, documentation and intersessional activity. These provisions had been in place since the first General Assembly in February 2025 and PAP was invited to reflect on whether any adjustments were needed from the perspective of the technical committees.

PAP discussed the practical experience with these articles. No major structural issues were identified but two procedural matters were raised.

First, the nomination process for Chairs and Vice-Chairs under Article 10.4 was highlighted. Members noted that nominations had been accepted after the published deadline during the previous appointment cycle, creating difficulties for national preparations. Some felt that late nominations should not be accepted, or that the regulations should include language such as “submitted in due time” to avoid ambiguity. Others observed that the rules, as written, already required adherence to deadlines and that the issue related more to communication and implementation than to the wording itself. It was acknowledged that clearer handling and earlier notification would avoid surprises.

Second, Members discussed Article 12.2, which requires committees and subsidiary bodies to announce the dates and venues of meetings one year in advance. It was noted that this was often difficult because key dates, particularly IMO and ITU schedules, were sometimes published later, making it harder to confirm committee dates exactly one year ahead. PAP agreed that issuing preliminary dates was workable in practice and that the current wording could remain if committees continued to give early notice where possible and updated members once dates were fixed. The importance of early venue confirmation, especially when meetings were hosted outside Headquarters, was emphasised.

PAP also briefly noted that any amendments to the General Regulations would need to follow the formal process through Council and ultimately the General Assembly and that input papers would need to be submitted in good time, preferably to the December 2026 Council, so that a second review cycle would still be available prior to the 2027 Assembly.

**The PAP concluded that only minor issues had been identified regarding Articles 10 to 12 of the General Regulations and that the wording was deemed sufficient. PAP will revisit the matter at PAP61 should any formal amendments be proposed.**

## **4. OPERATIONAL AND ADMINISTRATIVE MATTERS**

### **4.1. PROPOSED MEETING DATES**

The PAP agreed the provisional meeting dates for 2027, acknowledging that these may change depending on the hosts of the 2027 committees. Changes included a PAP now scheduled for the 2<sup>nd</sup> half of 2027 and an additional DTEC Committee to be held 20 – 24 September 2027.

### **4.2. EVENTS**

#### **4.2.1. RESULTS FROM THE WORKSHOP ON SUSTAINABILITY**

Alwyn Williams introduced the item and noted that the Secretariat had prepared a report summarising the outcomes of the Sustainability Workshop held in Dun Laoghaire in October 2025.

Alwyn highlighted Annex A of the input paper, which mapped the workshop’s recommendations against existing Standards, current committee responsibilities and relevant Work Programme tasks. He stressed that this mapping was intended as an initial framework, demonstrating the breadth of sustainability topics and how they already intersected with work across ARM, ENG, VTS, DTEC and WWA.

PAP discussed how this work should be taken forward. Members recognised that sustainability is inherently cross-committee and would need to be integrated into future technical work across all domains. The previously agreed decision to establish a sustainability working group under ENG was seen as an important mechanism to coordinate this effort, but members emphasised that the subject matter remained the responsibility of all committees.

A central theme of the discussion was prioritisation. PAP recognised that many of the proposed sustainability actions were substantial and could not realistically be added wholesale to the current Work Programme. With only two committee sessions remaining before the next Conference, members agreed that sustainability tasks should be prioritised, with some actions addressed now where they clearly align with existing tasks and others deferred to the 2027 – 2030 Work Programme.

It was agreed that the sustainability working group's early work would focus on scoping, coordination and fact-finding, rather than attempting to deliver new technical outputs immediately. Its initial responsibilities would include reviewing the Secretariat's workshop report, identifying which topics were already covered by existing tasks and recommending which tasks should be proposed for the next Work Programme cycle.

PAP supported a proposal to issue an input paper to all committees. This paper would:

- announce the establishment of the ENG-based sustainability working group;
- include Annex A's mapping of sustainability themes to committee tasks;
- invite committees to review the proposed actions and identify what work has already been completed or is already in progress;
- encourage committees to provide feedback to the new working group on gaps, priorities and feasible short-term contributions.

It was recalled that one of the first major deliverables for the working group would be to support the development of the sustainability document, planned for the 2027 Conference. The committee review and prioritisation exercise would provide valuable input to that document, as well as informing the next Work Programme.

**The PAP agreed that following the sustainability workshop the next steps required careful coordination and prioritisation. The ENG sustainability working group would act as the focal point for this work, supported by contributions from all committees. The PAP also agreed that committees should review existing work on sustainability and provide feedback to the new ENG-based working group.**

#### **4.2.2. WORKSHOP ON FUTURE RADIONAVIGATION AND RADIOCOMMUNICATION SYSTEMS**

Hideki Noguchi introduced the update on the upcoming Workshop on Future Radionavigation and Radiocommunication Systems, which will be hosted in Edinburgh on 9 - 13 February 2026 at the Northern Lighthouse Board. Hideki expressed appreciation to the hosts and organisers for their support and coordination.

Hideki emphasised the timeliness of the workshop. He noted that the radionavigation landscape had changed significantly in recent years. While GNSS had once been the dominant focus, maritime navigation was now influenced by a growing mix of global satellite systems, emerging terrestrial radionavigation concepts and increasing interest in multi-system, multi-service receivers. Work at IMO, particularly in NCSR's development of performance standards for multi-service radionavigation receivers, made this workshop especially relevant.

**The PAP noted the update on the Workshop on Future Radionavigation and Radiocommunication Systems.**

#### **4.2.3. DIGITAL@SEA INTERNATIONAL**

See section 2.1.5.

#### 4.2.4. IALA CONFERENCE

Omar Eriksson provided an update on preparations for the 21st IALA Conference, drawing on the outcomes of the second Steering Group meeting held on 2 February 2026.

DGLL reported strong progress on logistical arrangements. The main venue, the Lotus Ballroom, had been secured and could accommodate up to 3,000 participants, with seven additional meeting rooms reserved for breakout sessions. The exhibition area would be located on the same floor as the India Maritime Week exhibition, but with separate access control. Members would have access to IMW and industrial members could open their stands to IMW officials if they wished.

Negotiated rates with partner hotels were expected to be available in March and a detailed booking procedure would be published on the conference website. Early booking was encouraged. The Affiliate Industrial Members Group evening would also be held at the conference centre for convenience.

The Steering Group noted that India's Prime Minister was expected to address IMW during the week. IALA would pause its programme at that time to allow delegates to attend.

The conference website remained under development and would include clear information on visa procedures. The Secretariat would meet the developer to discuss additional requirements, including payment integration and the conference app. The app would be provided by Network App, the same supplier used for the Brazil conference, now with expanded functionality.

The group also reviewed the abstract management process. Oxford Abstracts had been selected as the platform for submissions and agreement had been reached on the timeline, topics and reviewers. Questions on copyright and AI had been added to the submission form. The group would test the system before issuing the Call for Papers in March.

Further work was required on General Assembly logistics, with an anticipated limit of five representatives per delegation. Exhibition pricing and the exhibitor booklet would be finalised once booth costs had been agreed. The venue for lunches was still to be confirmed.

The next meeting of the Conference Steering Group would take place on 7 September 2026 at IALA Headquarters.

**The PAP noted the update on the 2027 Conference.**

#### 4.2.5. VTS SEMINAR ON VTS OPERATIONS

Trond Ski, VTS Vice-Chair, provided an update on preparations for the forthcoming VTS Seminar on VTS Operations, scheduled to take place from 2 – 4 June. He noted that the seminar would focus on real-world challenges faced by VTS centres, drawing directly on operational experience rather than policy-level or conceptual presentations. The intention was to use these VTS personnel insights to help shape the future direction of VTS-related work within IALA.

He confirmed that preparations were well advanced and that the seminar programme was close to finalisation. Promotional activity and registration would begin soon.

The Secretariat emphasised the need to ensure strong representation from VTS operators and supervisors, rather than limiting participation to committee delegates, competent authorities or industry stakeholders. PAP members were encouraged to work with their VTS providers to support operator participation, either by sponsoring their attendance or ensuring their experience informed presented material. The seminar aimed to capture practical operational perspectives and securing contributions from frontline VTS personnel was seen as essential to achieving this.

**The PAP noted the update on the VTS Seminar on VTS Operations**

#### 4.2.6. 3RD JOINT IALA / IHO WORKSHOP

Guttorm Tomren provided an update on preparations for the 3<sup>rd</sup> IALA/IHO Joint Workshop. He noted that the workshop proposal had been approved by Council in December and that planning was progressing as



expected. The venue and hotel arrangements for the event, scheduled for September, had been confirmed and the “save-the-date” notice had been issued.

He explained that work had now shifted to developing the technical programme, including identifying session themes and reaching out to prospective speakers. The workshop would run over four days, from Tuesday to Friday, due to a public holiday on the Monday.

A key focus of the workshop would be the implementation of S-100-based services, particularly S-201 and S-125. Guttorm Tomren highlighted the considerable challenges associated with adapting national or specialised systems to global standards. He noted that streamlining unique local or legacy features into harmonised international specifications often required compromise and he expected the workshop to play an important role in facilitating these discussions with IHO colleagues.

PAP members agreed that the workshop would be valuable for all committees. It was noted that VTS has benefited from engaging in discussions on interoperability and data alignment relevant to S-210 and S-212. It was noted that several VTS representatives had attended previous workshops and continued participation was encouraged.

Members also discussed wider interest in the workshop. Minsu Jeon noted that IMO had expressed interest in participating due to ongoing discussions on IP-based connectivity. PAP agreed that IMO should be invited and that an official invitation would be useful to facilitate their involvement.

In closing, Serhat Aytugel confirmed that facilities, accommodation options and the social programme were now in place, with planning moving smoothly towards the event.

**The PAP noted the update on the 3<sup>rd</sup> Joint IALA / IHO Workshop**

#### **4.3. ONLINE WORK PROGRAMME, TASK PLAN AND TASK REGISTER**

Alisa Nechyporuk, Technical Officer, updated PAP on progress with the redevelopment of the online Task Tool. She reminded members that the current version of the tool had been deployed during the first half of the 2025 committee cycle and that feedback received from committee chairs and participants had been incorporated into the design of the next iteration. The Secretariat was now moving ahead with a comprehensive redevelopment using a more modern and secure framework.

Alisa Nechyporuk explained that the new system would introduce single sign-on integration with IALA’s main website accounts. As part of the transition, all users would be required to renew their accounts, with each person receiving a link to complete a new registration form. Existing login credentials would eventually be disabled once the migration was complete, but all data would be retained and transferred into the new system. Members were advised to expect a period of adjustment early in the next committee week as accounts were re-established.

She noted that the redevelopment would improve both back-end and front-end features strengthening system security, enhancing access control, improving the user interface and increasing reporting and traceability. Importantly, the new architecture would support future integration with other IALA digital tools and databases.

During discussion, PAP members asked questions about the transition, including when old accounts would be phased out and how user permissions would be managed. It was clarified that while the new system would import as much information as possible from the old registry, some reconfiguration of roles and permissions might be required by committees due to changes in how the new platform handled membership and participation. The system would continue to use the same “nextcloud” space in the interim, but single sign-on would apply across both environments.

PAP noted the update and expressed support for the improvements, recognising the value of a more secure, consistent and user-friendly platform for committee work.

**The PAP noted the ongoing development of the new online Task Tool and agreed to provide feedback during the next committee sessions as the upgraded system is rolled out.**

#### 4.4. INTER-COMMITTEE COMMUNICATION, COORDINATION AND DRAFTING ON TASKS

Thomas Southall introduced the item by recalling that, although the dashboards and the online work programme had significantly improved the visibility of cross-committee work, committees still faced practical challenges in maintaining consistent communication and coordinating drafting across multiple domains. Since PAP58, the Secretariat had created a small project team to develop a detailed specification for new communication and collaboration tools, including requirements for both formal and informal communication, shared drafting environments, intuitive interfaces, secure access and integrated tracking and approval workflows. This work was now progressing and the Secretariat was evaluating potential platforms against the agreed specification.

He explained that the Secretariat had also distilled a set of general principles to guide the development of improved collaboration practices. These emphasised the need for transparency, the use of formal communication only when necessary, strengthening informal communication channels, separating internal and external communication methods, reducing barriers within the committee structure and empowering committee roles to remain agile. These principles were not intended to replace existing formal processes but to complement them, ensuring that routine cooperation was less constrained and more efficient.

PAP members welcomed the direction of the work and *discussed* the needs and opportunities associated with future tools. Questions were raised regarding process flow and participation, particularly whether any form of escalation or internal *moderation* mechanism would be required to ensure *correct* engagement with the new tools. It was recognised that the Secretariat would retain a role in ensuring that the collaboration environment was used appropriately and that communication remained constructive and on-topic.

Members also highlighted the importance of ensuring that any new system preserved quality, including robust version control and an auditable history, so that the Secretariat's established document-control procedures could continue to operate effectively. The need for intuitive, user-friendly functionality was emphasised, particularly for committee participants who only engage intermittently.

The discussion also explored the connection between this work and the ongoing redevelopment of the *Task Tool*. Members saw clear value in future integration between collaborative drafting tools and the *Task Tool*, for example, through issue tracking, thematic tagging and improved visibility of cross-committee dependencies. The ability to generate thematic views, such as all tasks relating to cyber security, digitalisation or sustainability *for example* was seen as a strong future enhancement. There was also interest in incorporating forms of workflow tracking, which would allow committees to see immediately the stage of each document, the comments received and the actions required.

In addition, members observed that these tools should support *the general principles such as* low-barrier, informal communication between committees while maintaining the option to escalate matters into formal communication, such as liaison notes, when required. The intention was not to replace the existing formal processes but to strengthen everyday working arrangements, especially for topics involving multiple committees.

**The PAP noted the update on inter-committee communication and drafting tools and endorsed some general principles. The PAP agreed that the Secretariat should continue developing and evaluating collaboration tools in line with these principles and report back at a future session.**

#### 4.5. DOCUMENT CONTROL

Christina Schneider, Document Controller and Legal Advisor, informed the Panel on the strengthened quality assurance process for documents, explaining how the Secretariat was working to further improve the clarity, consistency and overall quality of standards, recommendations, guidelines and manuals produced by the committees. She noted that the quality assurance function had always been part of the Secretariat's responsibilities under Article 11.24 of the General Regulations, but the addition of dedicated resources now allowed for more structured and proactive involvement throughout the drafting cycle. The Secretariat had



also updated templates, introduced a Style Guide and training materials and undertaken early editorial review during task group work.

She explained that the new process would require committees to factor in more time for drafting and review. This included planning an additional committee session dedicated to finalising documents, incorporating Secretariat and participants feedback between sessions and using the Chairs' pre-meeting to identify documents expected to advance to approval. Throughout this process, the Secretariat would conduct iterative reviews, during document development, ahead of committee meetings, during the physical week and again following approval before documents were submitted to Council. A detailed schedule of the quality assurance cycle had been provided in the input paper for committee management teams to follow. The document controller will give a presentation to the opening plenaries of the Committees in the spring session on document control and changed expectations in an IGO.

A key element of the new approach would be the transition of all documents from association to IGO status. This involved aligning terminology, structure and format and introducing new templates for recommendations and guidelines. Christina Schneider highlighted a proposed structural change whereby recommendations would include a clearer preamble followed by an annex containing the normative content of what was being recommended. This was intended to make the obligations within a recommendation clearer and more consistent across documents.

PAP members discussed the implications of the new process. Several raised the need to manage expectations both within committees and at Council recognising that the additional review time may mean fewer documents could be completed within a three-year cycle. It was noted that authorities sometimes attach prestige to contributing to drafting work and expectations around document output might therefore need careful communication.

PAP expressed uncertainty about how the proposed annex structure would apply to recommendations that were already concise or where technical content was handled primarily through guidelines. The Documents Controller clarified that the intent was not to add unnecessary volume, but to make the normative elements of recommendations more explicit and distinguish them from contextual material.

The discussion also recognised that the transition to the new process would take time. The Secretariat suggested that, during the next session, they may need to manage a mix of documents prepared under the old and new approaches, particularly where participants had already invested significant effort. A pragmatic and staged transition would be supported, noting that the broader journey of updating all documents to IGO standards would take several years.

Members also commented on the complexity of achieving quality assurance in technical documents and noted the importance of Secretariat oversight to ensure consistency, without displacing committee responsibility for technical correctness. The Secretariat highlighted that historical documents might need consolidation, streamlining or replacement as part of the modernisation process.

**PAP agreed that the quality assurance process is a step forward for improving the clarity and consistency of documents and consistency across documents, but that it will have impact upon the flow of committee output due to the additional time required. It was also agreed that the proposed structure for recommendations will need further consideration.**

**Action item:**

*That the Secretariat provide a presentation to the committees on document control and changed expectations in an IGO.*

## **5. ANY OTHER BUSINESS**

### Downloads

PAP discussed how best to report on the use of IALA publications. It was agreed that download and search statistics would become a regular agenda item for PAP, allowing trends to be monitored over time. Members also noted that some existing website functions, such as access to outdated versions, should be removed or

adjusted to avoid confusion. The Secretariat will consider how to maintain a library of older documents for reference.

**Action item:**

*That the Secretariat add a standing agenda item on downloads and website use at the in-person PAP.*

IALA Questionnaire

The PAP recognised that high-quality data is essential for informing both the Work Programme and future strategic activity. The existing questionnaire system was being reviewed and its revival was now being taken forward as part of the S-201 and wider S-200 data architecture work. The Secretariat confirmed that a revised questionnaire platform would be launched later this year, supported by designated national contact points or coordinators.

Resilient PNT Developments

Thomas Southall informed PAP of a recently published UK Royal Institute of Navigation report on maritime resilient PNT, including a chapter on VTS prepared jointly with several committee participants and himself. This came at a time of increasing global concern about GNSS jamming and spoofing. The report can be found [here](#).

Omar Eriksson shared that an open letter from 14 nations had just been released calling for urgent action on terrestrial radionavigation systems and alternative timing sources. Members agreed the subject was highly relevant, noting that resilient PNT requirements are trans-modal and extend beyond maritime. PAP highlighted the importance of bringing these developments into upcoming workshops and committees, particularly the radionavigation workshop scheduled for the following week.

**The PAP noted the emerging international focus on resilient PNT.**

**Action item:**

*That the Secretariat submit the recently published UK Royal Institute of Navigation report on maritime resilient PNT to the committees as input.*

Host responsibilities

PAP discussed challenges encountered during recent workshops and the need for clearer expectations for host organisations. Members agreed that the Secretariat should communicate hosting requirements, covering what costs the host is expected to carry, what the participation fee must cover and how sponsorship should be handled at an early stage. Updating the workshop proposal form was seen as a possible way to ensure shared understanding from the outset and avoid future misunderstandings.

## **6. CLOSING OF MEETING**

### **6.1. REVIEW OF KEY OUTPUTS FROM MEETING**

See Annex D.

### **6.2. REPORT OF THE MEETING**

The final report was approved by correspondence.

### **6.3. DATE AND VENUE OF NEXT MEETING**

PAP61 is scheduled for 12:00 UTC 11 May 2026 online.

PAP62 is scheduled for 07 – 11 September 2026 at IALA HQ.

## **7. 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



### 60<sup>th</sup> Meeting of the IALA Policy Advisory Panel (PAP60)

The 60<sup>th</sup> meeting of the Policy Advisory Panel will be held on 3 – 6 February 2026 at HQ. The timings of the meeting are:

Tuesday	03/02/2026	10:00 – 17:00 CET
Wednesday	04/02/2026	10:00 – 17:00 CET
Thursday	05/02/2026	10:00 – 17:00 CET (Workshop on strategic vision and drivers and trends)
Friday	06/02/2026	10:00 – 12:30 CET

In accordance with the Convention Article 9.1, the Policy Advisory Panel will support the aims and objectives of the Organization by:

- a) Proposing the meeting dates of all Committees for a given year for approval by the Secretary-General at least one year in advance, for notification to all participants through the IALA website.
- b) Considering and advising the Council and the Secretariat on policy and strategy matters concerning the development and harmonisation of Marine Aids to Navigation systems, with specific emphasis on the Strategic Vision.
- c) Co-ordinating the work of the Committees and providing a forum for Committee Chairs to share progress, challenges and operations to provide a collegiate delivery of the various work plans with the Secretariat.
- d) Carry out such other work as the Council may from time to time require.

## Agenda

### 1 Welcome and Opening Remarks

1.1	Welcome by Deputy Secretary-General	OFE	
1.2	Approval of agenda	PD	Approve
1.3	Apologies and introductions	PD	Note
1.4	Review of action items	TS	Note
1.5	Review of input papers	TS	Note

### 2 Committee Coordination and Work Programme

2.1	Updates from other bodies:		
2.1.1	IALA internal organs	MJ	Note
2.1.2	IMO	MJ	Note
2.1.3	IHO	MJ	Note
2.1.4	ITU	MJ	Note
2.1.5	Digital@Sea	MJ	Note
2.1.6	3GPP	MJ	Note
2.1.7	ISO	MJ	Note
2.1.8	Other (PIANC, CIRM, IMPA, & IHMA etc.)	MJ	Note
2.1.9	DTEC	HN	Note
2.1.10	VTS	MS	Note
2.1.11	ENG	AW	Note
2.1.12	ARM	GT	Note
2.1.13	IMG	MN	Note
2.1.14	LAP	TA	Note
2.1.15	WWA	VD	Note

<b>2.2</b>	Committee Work Programme 2025 – 2027	MJ	Discuss
<b>2.3</b>	Implementation of S-100 / S-200 series updates	MJ	Note
<b>2.4</b>	Digitalization	MJ	Discuss
2.4.1	Digitalization harmonization	MJ	Discuss
<b>2.5</b>	MRN update	MJ	Discuss
<b>2.6</b>	Future work programme	MJ	Note
<b>2.7</b>	Sustainability	AW	Discuss
<b>2.8</b>	NAVGUIDE	GT	Discuss
<b>2.9</b>	Cyber security	GT	Discuss
<b>3</b>	<b>Policy and strategy matters</b>		
<b>3.1</b>	IGO matters		
3.1.1	IALAs work with the IMO	FZ	Discuss
<b>3.2</b>	IALA MCP instance	OFE	Discuss
<b>3.3</b>	Strategic matters		
3.3.1	Strategic vision and Drivers and trends	OFE	Discuss
<b>3.4</b>	General Regulations related to committees	PD	Discuss
<b>4</b>	<b>Operational and Administrative Matters</b>		
<b>4.1</b>	Proposed meeting dates	AG	Agree
<b>4.2</b>	Events		
4.2.1	Results from the sustainability workshop	AW	Discuss
4.2.2	Workshop on Future Radionavigation and Radiocommunication Systems	HN	Note
4.2.3	Digital@Sea International	MJ	Note
4.2.4	IALA Conference	OFE	Note
4.2.5	VTS Seminar on VTS Operations	MS	Note
4.2.6	3 <sup>rd</sup> Joint IALA / IHO Workshop	GT	Discuss
<b>4.3</b>	Online Work Programme, Task Plan and Task Register	MJ	Discuss
<b>4.4</b>	Inter-committee communication, coordination and drafting on tasks	OFE	Discuss
<b>4.5</b>	Document control	CS	
	Note		
<b>5</b>	<b>Any other business</b>		
<b>6</b>	<b>Closing of meeting</b>		
<b>6.1</b>	Review of Key Outputs from Meeting		
<b>6.2</b>	Report of the meeting		
<b>6.3</b>	Date and venue of next meeting		



## ANNEX B LIST OF PARTICIPANTS

<b>_PAP</b>	Chair	Phil Day <a href="mailto:phil.day@nlb.org.uk">phil.day@nlb.org.uk</a>
	Vice-Chair	Serhat Aytugel <a href="mailto:serhat.aytugel@kiyiemniyeti.gov.tr">serhat.aytugel@kiyiemniyeti.gov.tr</a>
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	Vice-Chair	Michel Cousquer <a href="mailto:michel.cousquer@cerema.fr">michel.cousquer@cerema.fr</a>
<b>VTs Committee</b>	Chair	Monica Sundklev <a href="mailto:monica.sundklev@transportstyrelsen.se">monica.sundklev@transportstyrelsen.se</a>
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<b>Technical Officer</b>		Alisa Nechyporuk <a href="mailto:ane@iala.int">ane@iala.int</a>
<b>Document Controller and Legal Advisor</b>		Christina Schneider <a href="mailto:csc@iala.int">csc@iala.int</a>

## ANNEX C LIST OF INPUT PAPERS

Meeting	Agenda Item	Input Paper Title	Source
PAP60-	1.2.1	Provisional Agenda	Secretariat
PAP60-	1.4.1	Action items	Secretariat
PAP60-	1.5.0	Input paper template	Secretariat
PAP60-	1.5.1	Input paper list	Secretariat
PAP60-	2.1.1.1	IALA Centres of Excellence	Secretariat
PAP60-	2.1.4.1	ITU WP5B Liaison statement to IALA	ITU WP5B
PAP60-	2.3.1	IALA S-200 PS tracker	Secretariat
PAP60-	2.5.1	LN from DTEC to PAP, ARM and VTS regarding MRN (DTEC5-15.2.2)	DTEC5
PAP60-	2.7.1	Progressing on Sustainability Matters within IALA	ENG Chair
PAP60-	2.9.1	LN to PAP on proposals on Cyber Security related tasks (ARM21-11.4.1)	ARM21
PAP60-	3.1.1	IALAs Work with the IMO	Secretariat
PAP60-	3.2.1	LN to PAP on MCP (DTEC5-15.2.4)	DTEC5
PAP60-	3.2.2	MCP intersessional rev1	Secretariat
PAP60-	3.3.1.1	PAP Workshop on Strategic Vision and Drivers and Trends v1.0	Secretariat
PAP60-	3.3.1.1.1	Res.12 (EN) Resolution on the declaration on IALA	Secretariat
PAP60-	3.3.1.1.2	P0001 Ed2.1 Strategic Vision	Secretariat
PAP60-	3.3.1.1.3	Current drivers and trends Ed 4.0 Dec 2022	Secretariat
PAP60-	3.4.1	General Regulations related to committees	Secretariat
PAP60-	4.1.1	Tentative meeting dates 2027	Secretariat
PAP60-	4.2.1.1	Report on the Workshop on Sustainability in AtoN Provision	Secretariat
PAP60-	4.5.1	Quality assurance process	Secretariat



## ANNEX D LIST OF OUTPUT PAPERS

Meeting	Agenda Item	Output papers
PAP60-	12.1	Report of PAP60





## ANNEX E ACTION ITEMS

<i>That Committee Chairs review their existing tasks and identify which items should be carried forward, which should be reprioritised and which were no longer relevant.....</i>	<i>16</i>
<i>That Committee Chairs should consider areas where IALA could contribute proactively to IMO work, reporting back to PAP61 where appropriate.....</i>	<i>19</i>
<i>That the Secretariat provide an update to ARM to clarify message definitions, particularly AIS message 28, given recent additions and changes in numbering.....</i>	<i>9</i>
<i>That the Secretariat add MASS as a standing item to the PAP agenda. ....</i>	<i>12</i>
<i>That the Secretariat provide an update on the status and future plan for the Dictionary at a future PAP session. ....</i>	<i>13</i>
<i>That the Secretariat add MRN to the agenda of the next in person PAP. ....</i>	<i>15</i>
<i>That the Secretariat add to the agenda of the in-person PAP session first half of 2027 dedicated time to review the future work programme in depth. ....</i>	<i>15</i>
<i>That the Secretariat consider a proposed rolling Work Programme, updated continuously rather than fixed to a cycle, to provide greater flexibility and agility. ....</i>	<i>16</i>
<i>That the Secretariat provide a presentation to the committees on document control and changed expectations in an IGO. ....</i>	<i>25</i>
<i>That the Secretariat add a standing agenda item on downloads and website use at the in-person PAP. ....</i>	<i>26</i>
<i>That the Secretariat submit the recently published UK Royal Institute of Navigation report on maritime resilient PNT to the committees as input. ....</i>	<i>26</i>

