



REPORT OF THE 80TH SESSION OF THE IALA COUNCIL

24 – 28 June 2024, Istanbul, Türkiye



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OPENING

The 80th session of the council meeting was held from 24 to 28 June 2024 at the Sheraton Atakoy Hotel in Istanbul, Türkiye and by videoconference. The Council was honoured by the intervention of Mr. Durmuş Ünüvar, Deputy Minister of Transport and Infrastructure of Türkiye who gave a presentation about the long-standing relationship between IALA and Türkiye and renewed its support for the change of status, hoping that the process would be shortly completed for his country. He also demonstrated the central position held by the country in maritime transport.

1. PRESIDENT'S OPENING REMARKS

On this 80th session of the IALA council meeting, Marcos Almeida, President of IALA, welcomed all participants and thanked the host for their wonderful arrangements. He welcomed new representatives for this council meeting as follows: Mary Dean from Australia, Malen Loftager Mundt from Denmark, Firoz Najeeb from India, Iain Lower from UK and Dave Lewald from USA. The Secretary-General also expressed gratitude to Türkiye for hosting this meeting and highlighted as well that Türkiye was indeed an important maritime country due to their central position in the world.

2. APOLOGIES FOR ABSENCE

There was no apology received for this session.

A list of participants is at Annex B.

3. APPROVAL OF THE AGENDA

Input paper C80-3.1 refers.

The agenda was approved and can be found at Annex A.

4. VACANT POSITION WITHIN COUNCIL

There was no vacant position within the Council.

5. REPORT OF THE 79th SESSION

5.1 Matters arising from the session

Input paper C80-5.1 refers.

Communication Officer Audrey Guinault reported that action items for the last session have been completed or are still ongoing. Comments on the draft staff rules have been received and incorporated in input paper C80-8.2.2.1, a presentation on MCP was scheduled under Agenda point 10 and the online work programme was to harmonize all the committees tasks lists. All the information papers have been forwarded to the appropriate bodies.

The Council noted the report.

6. REPORT BY THE SECRETARY-GENERAL

Input paper C80-6.1 refers.

The Secretary-General, Francis Zachariae, referred to input paper C80-6.1 with the detailed report. He mentioned that the committee and panel meetings in March and April of the new work period showed again that face-to-face meetings remain IALA's preferred mode of operation. The meetings were very successful with many participants in the HQ and also some participating on-line.

The membership of IALA and the interest in the committee work are very satisfying with record high number of participants.

The Secretary-General gave a short status of the excellent work of the World-Wide Academy and mentioned that Sir Jeremy de Halpert has decided to leave the Board. He thanked Sir Jeremy for his long and dedicated service to IALA and wished him well.

The Convention on the International Organization for Marine Aids to Navigation and the transition to an Intergovernmental Organization progress well and as of 25 June 2024 31 States have ratified, approved, accepted or acceded to the Convention and it is expected that more States will follow soon.

The Council noted the Secretary-General's report.

7. NATIONAL MATTERS

Input papers from C80-7.1 to C80-7.12 from China, India, Republic of Korea, Australia, Denmark, Chile, Japan, Malaysia, Finland, UK, Canada and Ireland can be found on the website. Each councillors gave a report on national matters at the session. The main topics were:

- Several countries expressed actions taken to value and promote lighthouses. The restoration and preservation of this precious heritage was deemed very important and the development of tourism for lighthouses was established in many countries.
- Members mentioned they were active in training programmes. Courses from the academy were taking place all along the year in different countries. VTS training was an important one.
- Members also reported procurement processes being established.
- Digitalization was a main challenge for several states, the removal of DGPS stations replaced by SBAS, data management strategies and VTS management using AI were mentioned.
- Countries also shared their plans for the celebration of the World Marine Aids to Navigation Day on 1st July.

The national matter reports were noted.

8. STRATEGY AND POLICY

8.1 Policy Advisory Panel

Input paper C80-8.1.1 & C80-8.1.2 refer.

The Deputy Secretary-General reported on PAP52 which was held in February 2024 at the IALA Headquarters. PAP continued their discussion on the need for a database to keep track of the numerous tasks of the committees, including cross committee tasks, which are quite complex to manage. The technical team of the Secretariat had developed a prototype database, which was introduced at the meeting. The database was in principle, ready to use, and the committee chairs agreed to try it out in the coming committee season. The database has now been further developed, and it is believed that this is the way forward. On one hand it provides a good overview and transparency on the progress of all committee tasks, and on the other hand, it simplifies generating aggregated work programme reports to Council. The PAP also continued their discussion on the new draft Terms of Reference for committees and subsidiary bodies of the new IGO and provided comments to the Secretariat who will submit the draft terms of reference to the first General Assembly of the IGO. The need for a better document management system was also discussed. With the IGO status, it is felt that there is a need to ensure further the quality of IALA publications, and with the increased volume of publications over time, there is a need to keep track of the version history of these.

PAP53 was an online meeting which took place in April 2024. During this meeting, cross-committee coordination took place following the committee meetings in the first half of the year.

The Deputy Secretary-General said, that in his opinion, the Policy Advisory Panel is working well, and that cross-committee coordination has never been better. In conclusion, he thanked each and every member of the panel for their participation and excellent contributions to the work of the association.

The Council noted the update on the Policy Advisory Panel.

8.2 Change of Status

8.2.1 Status on signatures and ratifications

Input paper C80-8.2.1 refers.

The Secretary-General mentioned that the first signing ceremony of the Convention on the International Organization for Marine Aids to Navigation was held on 27 January 2021 in Paris and as depositary State of the Convention, France, was the first State to sign the Convention.

A final signing ceremony was held at the last day of the signature period on 26 January 2022 in the IALA HQ in St. Germain-en-Laye. During the year 50 States signed the Convention.

States that have signed the Convention are invited to transmit the instruments of ratification, acceptance or approval to France, the depositary State. All Member States of the United Nations that have not signed during the signature period, may accede to the Convention, which enter into force on the ninetieth day after the date of deposit of the 30th instrument of ratification, acceptance, approval or accession which was done on the 24th May 2024.

As of 25 June 2024, 31 States have ratified, accepted, approved or acceded to the Convention, which will enter into force on 22 August 2024.

The Council noted the status on signatures and ratifications.

8.2.2 Status on the transition arrangements

Input paper C80-8.2.2 and C80-8.2.2.2 refers.

The Secretary-General mentioned that by the kind invitation from Singapore the first General Assembly of the Intergovernmental Organization (IGO) is scheduled to take place on 18-21 February 2025. The period between the entry into force and the General Assembly is called the transition period.

The Secretariat has started the detailed preparation for the transition period, and for this purpose and after advice from the Legal Advisory Panel, the Secretariat has appointed a French law firm to provide legal assistance throughout the transition period and until the winding up of the association is complete. The law firm will help with the administrative formalities required by French law for the transfer of the rights, interests, assets and liabilities in favour of the new IGO.

Of special interest is the annex to the Convention (transitional arrangements) and Article 13 of the constitution of the present IALA (the association) describing the automatic termination of IALA as an association.

It is important to note, that until the IGO has elected the President, the Vice President, the Council and the Secretary-General, the President, Vice President, the Council and the Secretary-General of the association will continue in their functions as the “transition President, Vice President, Council and Secretary-General”. This provision ensures that IALA will be able to continue its tasks during the transition period until the first General Assembly has elected the President, the Vice President, the Council, the Secretary-General and all other relevant positions according to the Convention and approved its General Regulations and Financial Regulations.

The second meeting of the Transition Council is proposed scheduled to take place 18-19 September 2024 back-to-back with the meeting of the Policy Advisory Panel.

He also mentioned that the rights, assets, interests, liabilities and the staff must be transferred from the association to the IGO. The transfer is pursuant to French law as explicitly stated in No. 8 of the transitional arrangements of the Convention.

In line with Art. 13 of the constitution of the association the Council must arrange for the winding up of IALA (the association) and the formal transfer of assets etc. into the possession of the IGO.

After seeking advice from the French lawyer and the Notary for the real estate and to arrange for the winding up of the association, the Council needs to agree formally on three aspects:

- Transfer of rights, interests, assets, liabilities and the staff of the association to the IGO.
- Transfer of the head office real estate property complex to the IGO.
- Explicitly authorizing the Secretary-General of the association to carry out all formalities, filings, dealings with any administration or institution to make any declarations, sign any documents and generally do anything useful and necessary when transferring the rights, assets, interests, liabilities and the staff.

The Secretary-General explained the use of the association General Regulations *mutatis mutandis* for the transition period and the development of the new General Regulations and Financial Regulations for the new IGO that will be approved by the First General Assembly of the IGO.

He explained that the transfer of staff members remains a priority and essential for the future of the Organization, and will be carried out in accordance with the new Staff Rules.

The draft Staff Rules have been developed by the Secretariat with the assistance of the Chair of the Legal Advisory Panel and have been discussed by the Finance and Audit Committee and at C79 in December 2023.

The Staff Rules (Paper 8.2.2.1) are now in draft form and will undergo final adjustments before it is presented to the Transition Council for approval. The Secretariat will – as soon as the last comment from the lawyer is received – circulate the final draft to the Council for consideration and comments by the TR02 in September.

The Council member from Australia proposed a small change to the text of the resolution, that was supported by the Council.

The Council noted the information, approved the resolution as contained in paper C80-8.2.2.2 with the proposed change and decided to convene the second meeting of the Transition Council in the IALA HQ on 18-19 September 2024.

Action item 1

The Secretariat to circulate the Draft Staff Rules for comments. The Secretariat to gather comments received and circulate the table to councillors before the Transition Council meeting on 18-19 September 2024.

8.2.3 Preparation of the first General Assembly

Input paper C80-8.2.3 refers.

The Secretary-General explained that Article 3 of the General Regulations (of the association) details the procedure of the organization of the General Assembly. The General Assembly shall be convened by the Council according to Article 8.8 (e) of the Convention.

In line with the transitional arrangements, the first General Assembly of the IGO must be convened by the transition Council.

The transition Council formally exists with the entry into force of the Convention. However, it consists of the same Council members as of the current Council of the association.

Article 3.3. of the General Regulations (of the association) foresees three major deadlines regarding the submission of input papers and the nomination of candidates for President, Vice President and the Council. As the Secretary-General in the association is not elected, but appointed by a selection committee, there is no election procedure foreseen in the General Regulations (of the association). As the draft Article 6 of the General Regulations for the IGO dealing with the election of the Secretary-General was not disputed by the Conference in Tokyo in November

2023, this procedure is applied “mutatis mutandis” for the first election of the Secretary-General at the General Assembly.

He went through the timelines as contained in paper 8.2.3 with the important deadlines to follow.

These deadlines are in principle mirrored in the draft General Regulations of the IGO which do not apply but might be consulted for reference when finding a way forward “mutatis mutandis”.

As it is practically impossible to respect the maximum 6 month timeline until the first General Assembly and the minimum 6 month timeline for the invitation etc., it was proposed that Council 80 agrees to task the Secretary-General to issue a first invitation for the General Assembly to the Member States inviting them to submit proposals and as such follow the schedule as described earlier 6 month before the GA, but before the Convention has entered into force. It was noted that this approach would not be in compliance with article 8.8(e) of the Convention, but if the invitation was not issued until after entry into force of the convention, the timetable would not comply with the regulations.

The Secretary-General also explained the complication with the timing of the following General Assembly in 2027 scheduled to take place in India. According to Article 4.4 of the Convention and Article 3.1 and 3.2 of the General Regulations (IGO) the General Assembly shall take place every three years, but in any case, must be held no earlier than June of the General Assembly year.

As the first General Assembly is scheduled in February 2025, it is necessary to adapt to the schedule foreseen in the General Regulations which must be seen in a greater context of concerning all meetings of the Organization including the Committee meetings and for budgetary and membership status reasons.

As a result, it is either possible to reduce or extend the first term between the first and second General Assembly of the IGO, e.g. if the first General Assembly will take place in February 2025, the second General Assembly must normally take place in February 2028. In order to change the schedule, not earlier than June, it might be possible to have the second General Assembly either not earlier than June 2027 (reduction of the 3-year-term) or in June 2028 (extension of the 3-year-term).

As the preparation for the General Assembly goes normally together with the organization of the Conference, India has offered to host the 2027 Conference and General Assembly years ago. The preparation is already advanced for 2027, and for that reason, it is proposed to have a reduced term for the first General Assembly and to have the second General Assembly around September 2027. The third General Assembly will then take place after a full term of three years, presumably in or after June 2030.

The first General Assembly must agree on such a reduction of the term in line with its powers granted by Article 7 of the Convention. The Secretariat intends to prepare a draft Resolution to be agreed by the General Assembly in Singapore on the proposed schedule above.

The council member from Ireland proposed to make a template for input papers to the General Assembly.

The council member from Australia proposed to wait with the invitation until after the entry into force of the Convention on 22 August 2024, giving the Transition Council the opportunity to convene the general assembly in accordance with convention.

The Council noted the preparation of the first General Assembly and agreed Council would convene the General Assembly at an online meeting of the Transition Council on 22 August 2024, with an invitation to follow thereafter, and agreed to have a template for input papers to the General Assembly.

Action item 2

The Secretariat to prepare templates for council candidacies to the IGO and input papers to the General Assembly.

The Councillor for France gave an update on the future premises for the new IGO as follows:

At present, three possible options were identified: two in the Paris area (one in Saint-Germain-en-Laye, and the other one in La Défense) and one in the city of Nice on the Mediterranean coast.

Saint-Germain-en-Laye would provide continuity in a city that is known to be popular with the delegates; close to France's largest airport, but also to the ministries that work alongside the organization, this project is located in the same Bel Air district.

La Défense, the well-known business district of Paris: excellent connections to the airports, a strong brand image for IALA, the proximity to the centre of Paris and numerous accommodation options.

The city of Nice on the French Riviera has recently arisen in the context of the United Nations Ocean Conference (UNOC 25) to be hosted in June 2025. This is a coastal city, very famous and close to the Italian border. There is an excellent international air transport network, and a large range of hotel accommodation. Furthermore, Nice is in the vicinity of the Monaco based IHO.

Work is in progress and concrete proposals have been made. At least one specific location or building was identified in each proposed city.

Discussions are ongoing between the French government, the IALA secretariat and the local authorities concerned. It is aimed that the host city would be fully involved in the life of the IALA.

Action item 3

The secretariat to circulate the HQ agreement and premises offer to the Transition Council in due course.

9. FINANCE AND AUDIT COMMITTEE REPORT

The Chair of the FAC, Iain Lower, introduced the input papers related to financial matters.

9.1 2023 Audited financial statements

Input paper C80-9.1 and Annex C80-9.1.1 refer.

The consolidated overall result for 2023 reported in the Income statement is €280,172 and is allocated to the capital. This positive result is due to a lower-than-expected level of expenditure (87%), good collection of member contributions (2.6 million euros) and a good return on financial investments made in secure funds in a context of rising interest rates in France.

The Reserve of €300,000 made in the balance sheet in 2021 and 2022 has covered all the costs of the IALA Conference in Brazil in 2023 (€251,133). This reserve will be set to zero in the 2024 accounts and will be reintegrated into the capital.

The auditors also recommend that the balance of retained earnings accumulated in the balance sheet, totalling €614,367, be allocated to capital.

The renewal of the mandate of the existing auditor, **RSM France** for a period of six financial years from 2024 until 31 December 2029 was proposed. When IALA will become an IGO during this period, this mandate will automatically end with the winding up of the association. It will be up to the new elected Council to appoint an external auditor for a three-year period.

The Council noted the 2023 Audited Financial Statements, approved the proposed appropriation of the 2023 result and approved the reappointment of RSM France as Statutory Auditors.

9.2 Budget monitoring statement as of 30 April 2024

Input paper C80-9.2 and Annex C80-9.2.1 refer.

Total operating income to 30 April 2024 was €2.2 million out of the budgeted €3.2 million, 18% higher than for the same period last year. This increase is attributable to an increase in the collection of contributions.

Total operating expenditure amounts to €1.16 million. Staff costs have increased by 23% due to the recruitment of a General Services Officer in the administrative section in February 2024. Operating costs have decreased by 18% as the 2023 budget was impacted by the organisation of the IALA Conference in Brazil. Investments costs increased by 21% due to the purchase of IT equipment for newly recruited staff and purchase of new software.

In total and taking into account the financial and exceptional items, IALA recorded +22% in income and +3% in expenses.

The Council noted the budget monitoring statement as of 30 April 2024.

9.3 Revised budget for 2024

Input paper C80-9.3.1 refers.

The revised budget of income amounts €3.3 million, compared with the €3.2 million initially forecasted (+4%). A higher collection rate of membership contributions is anticipated since actions were initiated by the Secretariat to encourage the members to pay their dues before IALA becomes an Inter-governmental Organization.

The “Seminar & workshops” budget has been revised downwards since 2 workshops out of the 4 initially planned are postponed to 2025.

The revised budget of operating expenses amounts €3,5 million instead of €3.3 million (+5%). The Personnel budget remains stable and will cover the costs of a full-time Deputy Secretary-General in the second half of the year, the replacement of a full-time Technical Officer and the recruitment of a full-time accounting assistant after one year in apprenticeship contract.

In total, the new budget accounts +7% in income and +5% in expenditure.

The Council approved the revised budget for 2024.

9.4 Membership contribution status

Input paper C80-9.4 and C80-9.4.1 refer.

The financial impact of the membership suspensions proposed in Annex 9.4.1 is €210,360.

A 3% increase in the membership rate is proposed for all the categories. The mentioned contributions are implemented for 2025 for the members that are transferred to the new IGO (National members, Associate members, and Industrial members). The contributions and fees for the year 2026 and 2027 will be adjusted and approved by the General Assembly in February 2025.

The contributions for the new Member States are adjusted according to the decision of the General Assembly in February 2025. The fee for the new categories of members Affiliate Members and Associate Members will be adjusted for the period 2026 to 2027 if needed.

The Secretary-General has considered individual cases and waived part of the outstanding contributions:

- The waiver of the 2024 contribution was granted to the **Hydrographic and Oceanographic Service of the Navy - Dominican Republic** after they have changed their category from Associate to National membership in May.
- The waiver of the 2022 contribution was granted to the Secretariat of the **Pacific Community** after they have settled two years of contributions.

The Council approved the membership contributions rates for 2025 as follows:

- National members: €19,680
- Industrial members: €6,730
- Associate members: €3,250

The Council noted the membership situation status and the waiver of membership contributions.

Following the Finance and Audit Committee update, the UK asked the Council and the Secretariat to consider whether it would still be appropriate for Industrial members to advertise in the e-Bulletin under the IGO status.

Action item 4

The Secretariat to ask the Legal Advisory Panel whether advertising will be possible under the new IGO status.

10. TECHNICAL ACTIVITIES

10.1 Legal Advisory Panel

10.1.1 Report of LAP26

Input paper C80-10.1.1 refers.

Secretary-General Francis Zachariae reported that the 26th session of the Legal Advisory Panel was held at IALA Headquarters and by video conference on 25 April 2024, with Christina Schneider as Chair and Audrey Guinault as Secretary. The LAP was updated with the work done in the committees and the reports from Council and PAP. The panel was presented with an update about the change of status next steps and particularly the transition period detailed planning. They were also made aware of preparation already ongoing for the 1st General Assembly of the new IGO. Finally, it was mentioned that a review of the Risk Registers for IALA and the World-Wide Academy was underway to find a better suited format.

The Chair of LAP, Christina Schneider mentioned that the Vice Chair, Henning Osnes Teigene, has finished his term and she thanked him for extraordinary support and help especially with the work related to the change of status of IALA.

The Council noted the report of LAP 26.

10.1.2 Appointment of a Vice Chair

Input paper C80-10.1.2 refers.

After careful consideration of the two candidacies received for the vacant position of Vice Chair of the LAP, the Council decided to appoint Thomas Arculus, from Trinity House, UK.

The Council decided to appoint Thomas Arculus from Trinity House, UK as Vice Chair of the LAP.

10.2 Committee work organisation

All input papers under this Agenda item were introduced by the Technical Operations Manager, Minsu Jeon.

10.2.1 Committee work programme 2023-2027

Input paper C80-10.2.1 refers.

In the first half of 2024, committees reviewed their work programmes to ensure they are current and aligned with their workload and capacity. Specific task numbers were assigned to all work items for better organization and tracking.

The committee work programme governs the committee activities. Once approved by the council, the updated programme will be forwarded to the PAP and respective committees, reflected in task plans, and entered into the task register. This digital version will enhance accessibility and include an export function to improve usability for all members.

The secretariat informed the council that an online work programme is currently in development and is expected to be ready for implementation by the end of the year.

The Council approved the revised Committee work programme for 2023-2027.

10.2.2 Committee meetings and events plan in 2024 and 2025

Input paper C80-10.2.2 & C80-10.2.2.1 refer.

In the second half of 2024, two workshops are planned, with two more scheduled for next year. These workshops are essential for advancing collective knowledge and fostering collaboration across various domains.

Planned workshops:

- 2nd IALA IHO Joint Workshop on S-100/200, 9-13 September, Annapolis, USA
- Aids to Navigation Engineering Workshop, 14-18 October, Sydney, Australia
- VTS Competent Authority Workshop, tentatively scheduled 20-24 January 2025, Rome, Italy
- Workshop on Sustainability and ENG 21, 6-17 Oct 2025 in Dublin, Ireland.

Proposed workshop:

- Future of Radionavigation and Radiocommunication Workshop, 2026, Edinburgh, UK (C80-10.4.2)

Additionally, the councillor of Ireland introduced paper C80-10.2.2.1 on the lighthouse tourism and heritage conference in 2025. This event will showcase lighthouse tourism internationally, providing a platform for tourism and heritage players and IALA members to share insights and focus on the future of lighthouse tourism and its impact on heritage and the economy. Distinguished presenters from this conference are expected to contribute to the sustainability workshop, enriching the discourse with valuable insights.

The Council noted the Committee meetings and events plan in 2024 and 2025.

10.3 ARM

10.3.1 ARM18 summary report

Input paper C80-10.3.1 refers.

The ARM 18 session, led by chairs Dave Lewald and Natasha McMahon, was conducted from April 15 to 19. During this physical meeting, the Committee reviewed a total of 40 input papers, resulting in the generation of 29 output papers.

The Council noted the summary report of ARM18.

10.3.2 Revised R1019 on Provision of Maritime Services in the Context of e-Navigation in the domain of IALA

Input paper C80-10.3.2 refers.

The draft Recommendation focuses on the Provision of Maritime Services in the context of e-Navigation. This revised document contains only minor changes that two lines were added to emphasize the importance of harmonized product specifications and interoperable technical services, as well as platforms for providing users with interoperable service discovery, identity authentication, and messaging services. And also, the document has been updated to reflect the new committee name, DTEC, as decided by the Council.

The Council approved the revised R1019 on provision of Maritime Services in the context of e-Navigation in the domain of IALA, Ed2.0.

10.3.3 New draft Guideline on Cyber Security specifics from an IALA perspective

Input paper C80-10.3.3 refers.

The draft Guideline provides guidance on addressing cyber security risks for AtoN, VTS, and PNT systems. Developed collaboratively by all committees, the document offers a comprehensive approach to mitigating cyber security risks for authorities and technology providers within the IALA domain.

The scope covers mitigating cyber security risks using existing technologies, targeting authorities and technology providers in the IALA domain. Key points include regular risk assessments, incident response plans, business continuity management, cybersecurity training, and participation in information-sharing networks as essential principles and best practices. Ensuring physical and network security, standardizing maintenance, securing AtoN communications, and managing AtoN data are critical considerations.

Additionally, the document addresses documenting procedures, segmenting networks, protecting VTS sensors, and ensuring secure communications for VTS. It also covers GNSS vulnerabilities to ensure reliable PNT and highlights wireless communication vulnerabilities with suggested manual verification. In conclusion, the guideline emphasizes integrating cyber security into daily operations to protect critical maritime systems.

The Council approved the new draft Guideline on Cyber Security specifics from an IALA perspective, Ed1.0.

10.3.4 Technical Service: Marine Aids to Navigation (AtoN): Technical Service Specification for the Provision of AtoN Information

Input paper C80-10.3.4 refers.

Document 10.3.4 specifies the technical service for providing AtoN information, following IALA guidelines and using the IHO S-125 data model. It offers a comprehensive overview of the service, describing the operational context, requirements, and service interactions.

The Service Identification section details naming, versioning, and the service description, establishing its scope and applicability. The Operational Context outlines AtoN data exchange, including relationships with other data standards like S-124, S-201, and S-101, ensuring interoperability. The Service Overview section describes the service operations, while the Service Data Model presents the logical data structures exchanged between providers and consumers, aligned with the IHO S-125. The Dynamic Behaviour section explains the interactive behaviour of operations, including client-initiated retrieval and subscription-based propagation of AtoN information, detailing data updates and interactions.

This specification ensures a structured approach to providing AtoN information, supporting the efficient exchange of vital maritime data. The Council is requested to note the document.

The Council noted the Technical Service: Marine Aids to Navigation (AtoN): Technical Service Specification for the Provision of AtoN Information, Ed1.0.

10.4 ENG

10.4.1 ENG18 summary report

Input paper C80-10.4.1 refers.

The 18th meeting of ENG, chaired by Alwyn Williams and Michel Cousquer, was held from 8 to 18 April 2024. As outcomes, the meeting prepared a workshop proposal on future radionavigation and radiocommunication systems and a liaison note to RTCM regarding the update of the 10402.3 Standard.

The Council noted the summary report of ENG18.

10.4.2 Workshop on Future Radionavigation and Radiocommunication systems

Input paper C80-10.4.2 and C80-10.4.2.1 refer.

Workshop proposal on the future of radionavigation and radiocommunication systems, recognizing the potential of emerging digital technologies. This collaborative event will be held between ENG and DTEC.

The committees have identified the need to explore future systems that could integrate radionavigation and radiocommunication, such as VDES R-mode and the Galileo return link service. The aim of this workshop is to update the Worldwide Radio Communication Plan (WWRCP) and the Worldwide Radio Navigation Plan (WWRNP). Additionally, the workshop aims to provide guidance to IALA members on these emerging technologies.

The workshop will also prepare for the introduction of VDES R-mode at the ITU WRC in 2031 and address the incorporation of VDES R-mode into IMO instruments. Upon approval by the council, the workshop is scheduled to take place in 2026 at the Northern Lighthouse Board in Edinburgh.

The Council approved the proposal of a Workshop on Future Radionavigation and Radiocommunication systems.

10.5 VTS

10.5.1 VTS55 summary report

Input papers C80-10.5.1 refers.

The 55th session of the VTS Committee was held from 8 to 21 March 2024, with the physical week at IALA HQ occurring between 11 and 15 March. Monica Sundklev chaired the session, with Dirk Eckhoff as Vice-chair.

Key outcomes include the revision of two guidelines, the finalization of one technical service design and one technical service specification, and the updating of one model course.

The Council noted the information on VTS55 summary report.

10.5.2 Revised G1141 Operational Procedures for Delivering VTS

Input papers C80-10.5.2 refers.

The purpose of this Guideline is to provide a framework for authorities to implement processes and procedures associated with the provision of Vessel Traffic Services (VTS).

The Guideline outlines processes and procedures related to:

Day-to-Day Operations:

- Providing timely and relevant information on factors that may influence vessel movements and assist onboard decision-making.
- Monitoring and managing vessel traffic to ensure the safety and efficiency of vessel movements.
- Responding to developing unsafe situations.

Management and Administration:

- Ensuring the VTS operates in accordance with relevant international conventions, IMO instruments, IALA standards, and national laws.
- Setting operational objectives for the VTS that aim to improve the safety and efficiency of vessel traffic and protect the environment, with routine evaluations to ensure these objectives are being met.

Refer to Chapter 5.1 on routine procedures and Chapter 5.1.1 on VTS voice communication, which include references to relevant IMO resolutions and IALA guidelines.

The Council approved the revised G1141 Operational Procedures for Delivering VTS, Ed3.0.

10.5.3 Revised G1177 Portrayal of VTS information

Input papers C80-10.5.3 refers.

The presentation of information is critical to meet SOLAS regulations, relevant IMO resolutions, and IALA guidance documents. While there are many compelling reasons for the international standardization of methods of displaying electronic charts and data from electronic sensors, including radar and AIS, on board vessels, there may be differing or additional requirements for the display of information to support the delivery of VTS.

The compilation of an accurate traffic image in the VTS Centre is substantially dependent on the manner in which the data is presented. A key objective of this document is to provide guidance to VTS providers on implementing portrayals that best support VTS operators. This objective can be achieved when the presentation for VTS Operators and mariners comprises a similar portrayal of common information, although not necessarily identical.

The Council approved the revised G1177 Portrayal of VTS information, Ed2.0.

10.5.4 Technical Service: Service design for VTS Traffic Clearance Service using SECOM

Input paper C80-10.5.4 refers.

The purpose of this service design is to provide a blueprint for implementing the digital service of VTS Traffic Clearance using SECOM and S-212 as the S-100 series data model for the message payload. The aim is to document the key aspects of the VTS Traffic Clearance Service using SECOM, ensuring that implementers know how to apply the specification interoperability and manage interactions between the actors defined in the specification using SECOM APIs.

Key Aspects:

- Components: Details the components of the service.
- Interfaces: Describes the provided interfaces.

- Operations: Outlines the service operations and their parameters.
- Data Model: Defines the data model of the service.
- Dynamic Behaviour: Explains how the use cases defined in the specification are technically implemented.

This design ensures a structured approach to the implementation of the VTS Traffic Clearance Service, facilitating interoperability and effective interaction among service components and actors.

The Council noted the Technical Service: Service design for VTS Traffic Clearance Service using SECOM, Ed1.0.

10.5.5 Technical Service: Service Specification for VTS Traffic Clearance

Input paper C80-10.5.5 refers.

The purpose of this service specification is to provide a holistic overview of the digital service of VTS Traffic Clearance and its building blocks in a technology-independent way, according to the guidelines given in G1128. It describes a well-defined baseline of the service by clearly identifying the service version.

The aim is to document the key aspects of the VTS Traffic Clearance Service at the logical level:

- the operational and business context of the service
 - requirements for the service (e.g., information exchange requirements)
 - involved nodes: which operational components provide/consume the service
 - operational activities supported by the service
 - relation of the service to other services
- the service description
 - service use cases
 - service operational sequence
 - logical operations
 - logical data model
 - dynamic behaviour

The Council noted Technical Service: Service Specification for VTS Traffic Clearance, Ed1.3.

10.5.6 Revised Model Course C0103-4 VTS On-the-Job Training Instructor

Input paper C80-10.5.6 refer.

The purpose of the model course is to assist training organizations and their teaching staff in the preparation and provision of new training courses for VTS On-the-Job (OJT) Training Instructors, or in enhancing, updating, or supplementing existing training material. It provides guidance on the level of training and knowledge needed to reach levels of competence defined by IALA to be certified as a VTS OJT Training Instructor.

To successfully complete this course the student will demonstrate the requisite knowledge, skills and attitude to undertake the duties associated with the role of a VTS OJT Instructor.

This includes developing their practical skills to provide the OJT training programme at the VTS centre:

- Designing training programmes including task books and assessment materials.
- Learning teaching and instructional techniques to deliver training programmes.
- Providing feedback to learners.
- Assessing the required competence of a student against the training objectives.
- Evaluating the effectiveness and continually improving training programmes.

The Council approved the revised Model Course C0103-4 VTS On-the-Job Training Instructor, Ed3.0.

10.6 DTEC

10.6.1 DTEC2 summary report

Input papers C80-10.6.1 refers.

The second session of the Digital Technologies (DTEC) committee was held from 18 to 28 March 2024, chaired by Hideki Noguchi and vice-chaired by Jorge Arroyo.

The Council noted the DTEC2 summary report.

10.6.2 New draft Guideline on Provision of MCP identities

Input paper C80-10.6.2 refers.

The goal of this Guideline is to define the requirements for providing and using secure identities by means of Maritime Identity Registry (MIR) of the Maritime Connectivity Platform (MCP). It is, thus, intended both for organisations that are planning to become MCP Identity Service Providers and organisations that intend to make and run applications and services that use MIR certificates to implement secure identities. The IALA recommendation for such secure identities is stated in IALA R1019 'Provision of maritime services in the context of e-Navigation in the domain of IALA'.

This Guideline covers, the specification, the role of the MCP Consortium, Identity management, and PKI.

During the discussion, several questions were raised regarding the relationship between IALA and MCC as mentioned in the document. Consequently, the council decided to delete the wording related to responsibilities in Chapter 3 of the document.

The Council modified and approved the new draft Guideline on Provision of MCP identities, Ed1.0.

10.6.3 Revised R1007 The VHF Data Exchange System (VDES) for Shore Infrastructure

Input paper C80-10.6.3 refers.

The document advises using current infrastructure for VDES R-Mode and implementing VDES data integrity monitoring. The expansion of VDES applications requires coordination and resource sharing among various stakeholders, with particular attention to network security issues.

The recommendation underscores the significance of VDES in supporting maritime safety, efficient transport, and environmental protection.

The council recognized the importance of this document and agreed that the information should be shared with other international organizations, particularly the IMO.

The Council approved the revised R1007 The VHF Data Exchange System (VDES) for Shore Infrastructure, Ed2.0.

Action item 5

The DTEC Committee, in collaboration with the Secretariat to draft an information paper on the revised IALA Recommendation R1007 concerning VDES for shore infrastructure to IMO.

10.6.4 Revised G1128 Specification of e-Navigation Technical Services

Input paper C80-10.6.4, C80-10.6.4.1, C80-10.6.4.2 & C80-10.6.4.3 refers.

Document 10.6.4 outlines Guideline 1128, providing a comprehensive framework for specifying, designing, and implementing e-Navigation Technical Services. The guideline aims to standardize the documentation process, making e-Navigation services more visible and accessible to service providers, consumers, and regulatory authorities.

The latest version has restructured content to remove technology-specific interfaces and redefined instance XML to include all relevant metadata. It also introduces redesigned documentation templates for service specifications, technical designs, and instance descriptions.

Covering the entire lifecycle of e-Navigation services, the guideline emphasizes a technology-agnostic approach, ensuring services can be implemented using various technologies while maintaining a consistent logical structure. It is intended for service architects, system engineers, and developers, providing detailed instructions on creating service specifications, designing technical aspects, and documenting service instances.

The Council approved the revised G1128 Specification of e-Navigation Technical Services, Ed1.5.

10.7 IALA Documents

10.7.1 IALA Manuals

Input paper C80-10.7.1, C80-10.7.1.1 refers.

As per the decision of Council 79, the committees are authorized to revise the manuals and report updates to the Council. Accordingly, the VTS Committee updates the VTS Manual every six months to ensure it remains current.

The attached manual is Edition 8.3, dated March 2024.

The Council noted the information provided on IALA Manuals (VTS Manual, Ed8.3).

10.7.2 Proposed protocol for PS and TS versioning and approval

Input paper C80-10.7.2 refers.

The Secretariat has prepared a paper to provide an explanation. Document 10.7.2 outlines the approach for managing the versioning and approval process of Product Specifications (PS) and Technical Services (TS) documents within the context of e-Navigation services.

The developing PSs and TSs require frequent updates, often monthly, before reaching the implementation phase as edition 2.0. The IHO has established rules for document editioning, which IALA proposes to adopt.

The versioning and approval process includes:

- Development Phase: Documents before edition 1.0.0 are working documents.
- Testing and Validation: Documents versioned 1.0.0 to 1.9.9 are intended for testing and validation but not for publication or implementation.
- Implementation: Once ready for implementation, documents undergo an official approval procedure and are numbered as 2.0.0 for publication.

The paper proposes that IALA adopt a similar procedure for PS and TS documents. Prior to edition 2.0.0, these documents could be approved by the relevant committees for testing and validation only. Once they reach edition 2.0.0 and beyond, they would be approved by the council and published for use by all members.

The document details all current working documents, their editions, the committees involved, and planned completion dates. This protocol aims to ensure a structured and standardized approach to developing and implementing e-Navigation services.

The Council approved the proposed protocol for Product Specifications and Technical Service versioning and approval.

10.8 Product Specifications

10.8.1 Report on S-200 PS Development

Input papers C80-10.8.1 refers.

Throughout the first half of 2024, the committees have made significant progress in developing the S-200 series Product Specifications (PS).

ARM:

- Continued work on S-201 and S-125.

- Reviewed gaps identified in edition 1.1.0 and planned updates for UML diagrams, feature catalogue, schema, and Data Capture and Encoding Guide.
- Developed the S-201/125 development schedule. Aims to advance S-201 to edition 1.2 by ARM19 and to edition 2.0 within the next two years, with a goal to finalize S-125 edition 1.0 by the end of 2027.

DTEC:

- Started working on the S-230 ASM product specifications, focusing on disaster management and digital data transport over VDE as defined in Guideline G1117.

VTs:

- Continued work on S-210 Inter VTS Exchange and S-212 VTS Digital Information Service.
- Held intersessional meetings in Quebec, Canada, and worked on revising guidelines, developing technical service descriptions, and updating recommendations.

ENG:

- Updating the S-240 DGNSS Almanac product specification.
- Identified and addressed issues such as inconsistencies between the data model and the feature catalogue during testing.

Testbed:

- The S-200 testbed is an important tool for members to test and experiment with the product specifications.
- Significant updates include a new login function and enhanced user interface, supported by Korea MOF and KRISO.

Training:

- IALA WWA conducted an S-200 pilot training course in February, providing a foundation for developing a regular curriculum.
- The first proper training course will be conducted in November, with experts from UKHO, PRIMAR, and KRISO.

Joint Workshop:

- The 2nd joint IALA-IHO workshop will be held in September in Annapolis, following the success of the first workshop in 2022 in Norway. This aims to further cooperation and alignment between the two organizations.

The Council noted the information provided on S-200 PS Development.

10.9 Digital@Sea Initiative

10.9.1 D@S Conferences

Input paper C80-10.9.1 refers.

Document 10.9.1 provides updates and plans for the Digital@Sea (D@S) conferences since the last IALA Council session.

Two Digital@Sea conferences have taken place. The first, Digital@Sea International 2024, was held on 30-31 January in Copenhagen, Denmark. This conference gathered 129 participants from 22 countries. Key conclusions included the need for a global maritime digital vision to guide digitalization efforts, the significant potential of digitalization for improving safety, efficiency, and the lives of seafarers, the crucial importance of cyber security, and the essential role of international cooperation, including the roles of IMO and IALA, in realizing this vision.

The second conference, Digital@Sea North America 2024, was conducted on 8-9 May in Atlantic Beach, Florida, USA. Organized by USCG, CCG, RTCM, and IALA, this conference focused on evolving navigation through e-Navigation. Presentations from various stakeholders covered digitalization and the introduction of S-100 standards, emphasizing the transition from paper to electronic charts and technological advancements. The conclusions and recommendations are annexed in the document.

Looking ahead, Digital@Sea Asia Pacific 2024 is scheduled for 10-11 September this year in Busan, Korea. This conference will highlight technological advancements and the importance of global cooperation in maritime digitalization. It will be held as part of Korea Maritime Week.

The Council noted the information provided on D@S Conference update.

10.10 Technical Update

10.10.1 Overview of the Maritime Connectivity Platform and progress update

Input paper C80-10.10.1 refers.

DTEC WG1 Chair, Prof. Axel Hahn joined the meeting in person and introduced paper.

The Maritime Connectivity Platform (MCP) is a set of digital communication concepts for the maritime sector, supporting secure and reliable information exchange. Digitalization, enabled by broadband communications like LEO satellites and Maritime LTE, enhances shipping safety, efficiency, and sustainability. Digital services facilitate essential ship-to-ship, ship-to-shore, and shore-to-shore communication.

MCP is a decentralized framework for secure digital service provision and information exchange among maritime stakeholders. It includes the Maritime Identity Registry (MIR), which manages trusted identities and digital certificates, the Maritime Service Registry (MSR), which registers and discovers relevant e-navigation services, and the Maritime Messaging Service (MMS), which facilitates message exchange using various communication technologies. MCP supports secure digital communications, integrating identity and service registries required by standards like SECOM.

The Council noted the information provided on the Maritime Connectivity Platform and progress report.

The presentation from Prof. Axel Hahn has been made available on the website as document C80-10.10.1.2.

11. World-Wide Academy

11.1 Progress report and future actions

11.1.1 WWA Progress report

Input paper C80-11.1.1 refers.

The Dean of the World-Wide Academy provided a report on the progress and action plan for the Academy.

He reported that accredited training organizations in the United Kingdom, France, Morocco, Suriname, India, Colombia and China have already, or are in the process of delivering the Level 1.1 Aids to Navigation Manager course in 2024.

The global capacity for delivering the AtoN Manager course is now 80-100 certified managers per year and the course is now being delivered in English, French and Spanish. Other courses, such as the risk management course and the procurement course have also been delivered successfully this year.

The risk management course was delivered in the Spanish language in both Chile and Colombia, and Colombia also delivered the Level 1.1 AtoN Manager course in Spanish in May/June. These initiatives support the goal of the Academy to reach out and provide better support to the Spanish speaking part of the world. Another initiative was the Spanish Information Seminar held last year in Buenos Aires, where the Academy provided an overview of the work undertaking by IALA and the expected outcomes. The Academy plans to hold another such seminar in 2025.

Several technical needs assessment missions and review visits are being carried out in 2024, including Guinea Bissau, Madagascar, Dominican Republic and Indonesia. In Indonesia, several missions are planned due to the size of the country, and the Academy is working towards establishing L1.1 AtoN manager training capacity there in the local language.

A description of the achievements of the Academy so far in 2024 can be found in input paper C80-11.1.1 and the action plan for 2024 can be found in annex A to that paper.

The Council noted the Academy progress report.

11.1.2 WWA Board

Input paper C80-11.1.2 refers.

At the 26th meeting of the Board of the WWA, long standing board member, Sir Jeremy de Halpert announced his retirement from the board. Sir Jeremy proposed that the Council consider Ms Catherine Mulvihill, the CEO of IFAN (International Foundation for Aids to Navigation) who sponsor 70% of the budget of the Academy, as his replacement.

The council decided to appoint Ms Catherine Mulvihill as a new board member of the IALA World-Wide Academy.

11.1.3 26th Board Meeting Report

Input paper C80-11.1.3 refers.

The new MoU with Singapore MPA, which was signed at the General Assembly in Brazil, includes elements such as “setting up an office of the Academy within the MPA Academy” and the provision of a seconded officer to assist the Academy with its work.

The Dean informed that the Academy now wants to proceed to make full use of this sponsorship and that the seconded officer should be based primarily in Singapore, working from the office provided by Singapore MPA.

The work assigned to the seconded officer would be to support the execution of the MoU with Singapore. The office would not be a regional office, but a local office, for the purpose of supporting the realisation of the Singapore MPA MoU.

The Council noted the report on the WWA Board and endorsed that the seconded officer in Singapore could be referred to as the IALA World-Wide Academy office in Singapore, for the duration of the MoU.

11.1.4 Update on the IALA Disaster Recovery Fund

Input paper C80-11.1.4 refers.

At its 75th session, the Council decided to establish the “IALA Disaster Recovery Fund” to be managed by the World-Wide Academy. At subsequent Council meetings, updates have been provided.

Paper C80-11.1.4 provides an update on recent developments relating to assistance being rendered to the State Hydrographic Service of Ukraine (SHSU) the national member of IALA in Ukraine.

The Academy has used some of the resources of the Disaster Recovery Fund to sponsor training of SHSU staff members. On one occasion it was a Risk Management Course held at headquarters in Saint Germain en Laye, and on another occasion it was a Level 1.1 AtoN Manager course held by Trinity House Lighthouse Service in the UK.

The Academy has continued serving as an intermediary between potential sponsors and Ukraine by having monthly online meetings with representatives from SHSU aimed at facilitating their communication.

In March 2024 the Academy received a letter from the SHSU with an updated list of their urgent needs. The letter is provided in Annex 1 of paper C80-11.1.4 with the list as Annex 2.

The list includes the need for lifejackets, rescue suits, solar power supplies, anchor chain, shackles, rechargeable batteries, radio communication equipment and even an Unimog truck, a buoy tender vessel as well as a hydrographic survey vessel.

The Council noted the update on the IALA Disaster Recovery Fund.

Action item 6

Councillors and all members to consider ways of facilitating sponsorships for the urgent needs of the SHSU.

12. INTERNATIONAL

12.1 IHO

Minsu Jeon, Technical Operations Manager, introduced all of the documents under this point of the agenda.

12.1.1 Liaison note to NIPWG on S-100 operational interaction diagram

Input paper C80-12.1.1, C80-12.1.1.1 and C80-12.1.1.2 refer.

Document 12.1.1 is a liaison note from IALA to NIPWG, supporting the development of an S-100 operational interaction diagram. With the diagram files attached, the paper highlights several key points needing attention.

Firstly, the terms 'predicted' and 'forecasted' require definitions within the IHO GI Registry and product specifications, as they currently lack clarity. Secondly, the S-421 diagram indicates potential interactions with IALA product specifications and could enable new services and automated reporting. Lastly, the website describes some product specifications as auxiliary or supplementary to S-101, but it is unclear if these descriptions indicate operational interaction. Clarifying these descriptions will ensure they convey the intended relationships.

Addressing these points and taking appropriate actions will enhance clarity and collaboration in operational efforts.

The Council approved the liaison note on S-100 operational interaction diagram to IHO NIPWG.

Action item 7

The Secretariat to forward the approved the Liaison note on S-100 Operational interaction diagram to IHO NIPWG.

12.1.2. Liaison note to NIPWG on Technical Service Specification

Input paper C80-12.1.2 and C80-12.1.2.1 refer.

The IALA ARM Committee has developed a technical service specification for providing AtoN information, following Guideline G1128 for e-Navigation Technical Services. This specification relates to Maritime Service 2 'Aids to Navigation Service' and Maritime Service 12 'Nautical Publications Service' in the IMO Maritime Service portfolio.

The specification includes three levels:

- A high-level, technology-agnostic service specification referring to a data model (S-125).
- Service designs describing implementation with specific technologies like SECOM or MCP MMS.
- Service instances provided by entities such as national hydrographic offices, including endpoints and geographical coverage.

The committee has published version 1.0, indicating readiness for testing. They are also working on a service design for implementation using SECOM. Testing is being conducted under the Open Digital Incubator initiative to ensure interoperability.

As an action request, IHO NIPWG is asked to review this information, provide feedback, and determine the MRN for the service specification.

The Council approved the liaison note on Technical Service Specification to IHO NIPWG.

Action item 8

The secretariat to forward the approved the Liaison note on Technical Service Specification to IHO NIPWG.

12.2 RTCM

12.2.1 Liaison note to RTCM on the update of RTCM 10402.3 Standard

Input paper C80-12.2.1 refers.

Document 12.2.1 is a liaison note to RTCM, expressing IALA's appreciation for RTCM's continuous updates to the RTCM 10402.3 standard, which are essential for DGNSS beacons and maritime safety.

The ENG committee reviewed RTCM's updated document and supports the proposed new approach. IALA requests RTCM to consider adding support for R-Mode messages and Integrity Support Message (ISM) for multiple GNSS/frequencies, either as an amendment to the existing standard or in a new version.

Additionally, IALA is interested in discussing other potential maritime uses of beacon frequencies with RTCM. RTCM is requested to consider these suggestions and take appropriate action.

The Council approved the liaison note on the update of RTCM 10402.3 Standard to RTCM.

Action item 9

The Secretariat to forward the approved liaison note on the update of RTCM 10402.3 Standards to RTCM.

12.3 IEC

12.3.1 Liaison note to IEC TC80 WG17 on proposed change to IEC 63173-1

Input paper C80-12.3.1 refers.

During the VTS Committee, a technical service specification for route exchange between VTS and vessels, using S-421 (IEC 63173-1), was developed. An issue was identified where acknowledgment messages cannot be sent without including the entire route, leading to high bandwidth usage. It is proposed that acknowledgment messages should not require the complete route. Updating the XML schema to allow creation of routes with only RouteInfo and revising documentation and object models will address this issue.

As an action request, IEC TC80 WG17 is requested to consider these proposed changes and provide feedback to the VTS Committee.

The Council approved the liaison note on proposed change to IEC 63173-1 to IEC TC80 WG17.

Action item 10

The Secretariat to forward the approved liaison note on proposed change to IEC 63173-1 to IEC TC80 WG17.

12.3.2 Liaison note to IEC Request to use elements of IEC 63173-2 in IALA document

Input paper C80-12.3.2 refers.

Document 12.3.2 is a liaison note to IEC, requesting permission to use elements of IEC 63173-2 in IALA guidelines. While IALA has created a guideline for developing technical service specifications, these services can utilize various technologies, including SECOM (IEC 63173-2).

The annex to this liaison note includes a draft template for making a specification using SECOM. This template incorporates text and drawings from the SECOM standard to simplify the writing of specifications. IALA seeks approval from IEC to use these elements from SECOM in an IALA document.

The Council approved the liaison note on request to use elements of IEC 63173-2 in IALA document to IEC.

Action item 11

The Secretariat to forward the approved liaison note on the request to use elements of IEC 63173-2 in IALA document to IEC.

12.4 IMO/ITU EG

12.4.1 Liaison note to IMO ITU EG on IALA Task for Marine AtoN over IMT-2030

Input paper C80-12.4.1 refers.

IALA is working on developing use cases and service requirements for Marine Aids to Navigation to support the standardization of IMT-2030 (5G). Following discussions in previous meetings about using public mobile broadband networks for maritime safety, IALA is now focusing on input for IMT-2030.

The ITU Radiocommunication Assembly 2023 confirmed 'IMT-2030' as the next generation of IMT, along with the new IMT-2030 Framework recommendation. IALA's 2023-2027 work programme aims to support this through the development of relevant use cases and service requirements.

IALA invites collaboration with IMO, 3GPP, and ITU in this effort to advance the standardization and implementation of IMT-2030 for maritime safety.

The Council approved the Liaison note on IALA Task for Marine AtoN over IMT-2030 to IMO ITU EG.

Action item 12

The Secretariat to forward the approved liaison note on IALA Task for Marine AtoN over IMT-2030 to IMO ITU EG.

12.5 3GPP

12.5.1 Liaison note to 3GPP TSGs on the update of IALA Task for Marine AtoN over IMT-2030

Input paper C80-12.5.1 refers.

The content of the document is the same as 12.4.1.

The Council approved the liaison note on the update of IALA Task for Marine AtoN over IMT-2030 to 3GPP TSGs.

Action item 13

The Secretariat to forward the approved liaison note on the update of IALA Task for Marine AtoN over IMT-2030 to 3GPP TSGs.

12.6 ITU

12.6.1 Liaison note to ITU-R SG5 on IALA Task for Marine AtoN over IMT-2030

Input paper C80-12.6.1 refers.

The contents of the document is the same as 12.4.1.

The Council approved the Liaison note on IALA Task for Marine AtoN over IMT-2030 to ITU-R SG5.

Action item 14

The Secretariat to forward the approved liaison note on IALA Task for Marine AtoN over IMT-2030 to ITU-R SG5.

13. IMG

The IMG representative Simon Brooks gave a presentation on the role and purpose of the Industrial Members Group. He reminded the Council that Industrial members were representing an important part of IALA's income and were therefore quite important for the Organization. He reported that the group had met in Finland in February 2024 and discussed the way forward. Following this meeting, the Industrial Members Pamphlet and Code of Conduct was distributed to Industrial members in digital and printed format. The recruitment of new members was also mentioned as one of the significant tasks of the IMG.

The council noted the report from the IMG.

14. IALA CONFERENCES, SYMPOSIA AND OTHER EVENTS

14.1 2025 – First IGO General Assembly – Singapore

Singapore was pleased to announce that they would host the first General Assembly of the IGO from 18 to 21 February 2025 at the Suntec Convention and Exhibition Centre. Singapore is committed to work closely with the Secretariat and the Member States to ensure a successful General Assembly and added that more information

would be made available at a later time. On behalf of the CEO of MPA, an invitation letter was distributed to all councillors present at the meeting. To commemorate this important event, Singapore suggested the creation of the Singapore Declaration and invited interested parties to contact the Secretary-General in order to form a small working group to draft the text. After coordinating the work by correspondence, it was envisaged that the Transition Council would agree to the proposed text of the Declaration to be adopted at the General Assembly. The representative for the IMG indicated that the group was ready to offer its support to Singapore and was looking forward to discussing further on the different possibilities that may be.

The Council noted the information provided and invited interested Council members to participate in the work on the Singapore Declaration.

14.2 2027 – 21st Conference - India

The Councillor for India indicated that preparations were going well for hosting the 21st Conference to be held in Mumbai. As per the Guideline on the preparation for Conferences and Symposia, it was noted that the Council must be held where the Conference is planned 2 years prior to the meeting to ensure that the venue is suitable and ensure a successful Conference. It was therefore proposed that the Council meeting planned for December 2025 would be held in Mumbai, India. Also, taking into consideration the particular climate of Mumbai and the Conference and General Assembly requirements, India was prepared to host the Conference in September 2027.

The Council noted the information provided.

14.3 World Marine Aids to Navigation Day

14.3.1 WATON Day 2024

Input paper C80-14.3.1 refers.

The Councillor for Italy thanked the Council for choosing Italy for the main event of the WATON Day Celebration.

The detailed two-day programme was presented to the councillors who were encouraged to take part in this important event.

The Council noted the information provided.

15. MEMBERSHIP

Finance and Administration Manager, Christine PHILIP introduced the input papers related to membership. Updated papers were provided during the meeting.

15.1 Applications for membership

The input paper C80-15.1 refers.

The Council approved National membership for:

- **Faroese Maritime Authority, Faroe Islands (late submission)**

The Council approved Industrial membership for:

- **Technomar Engenharia Ltda, Brazil**
- **Ocean King Marine Services Ltd, Cyprus**
- **Brasal Marine Services CY Ltd, Cyprus**
- **Full Oceans, France**
- **Aqua-Module, France**
- **PT Jaya Admiral, Indonesia**
- **Prodar, Mexico**
- **Tidalis BV, The Netherlands**
- **Sonarsea Kara Ve Deniz, Türkiye**

- **GS Marine Valve & Ship Supply, Türkiye**
- **Geoseas Marine Protection and Demarcation Products, United Arab Emirates**
- **Aselsan A.S, Türkiye**
- **Shenzhen Green Source Light Equipment Co. Ltd, People's Republic of China (late submission)**

The Council approved Associate membership for:

- **DSA Ocean, Canada**
- **Colegio Oficial Nacional de Prácticos de Puerto de España, Spain**

The Council approved Honorary membership for:

- **Mr. André Châteauvert**, Manager of Land-Based Electronics, E&I, Integrated Technical in the Canadian Coast Guard Staff; and
- **Mr. William (Bill) Cairns**, formerly of the U.S. Coast Guard (USCG) and the American Pilots Association (APA).

15.2 Resignations and changes in membership

Input paper C80-15.2 refers.

The Council noted the resignations from:

- **OMC International Pty Ltd, Australia**
- **Alsic BVBA, Belgium**
- **Combustion and Energy, Italy**
- **The Canadian Pilot's Association, Canada**
- **Seahow by Arctia, Finland**

The Council noted the following changes:

- **Hydrographic and Oceanographic Service of the Navy, in the Dominican Republic** is transferred from the Associate category to National category.
- **The membership from the Ministry of Communication, Maritime Transport Department, in Kuwait** is transferred to the **Coast Guard in the Ministry of Interior**.
- **HIS Markit, in the United States of America** is renamed **IHS Global Inc.**
- **General Dynamics Mission Systems, in Italy** is renamed **Page Europa**.

15.3 Suspensions and updates on membership

Input paper C80-15.3 refers.

The Council decided to suspend industrial membership for:

- **Beijing Caton Global Technology Co. Ltd, People's Republic of China**
- **Shanghai Space Earth Net Information, Technology Co., Ltd., People's Republic of China**
- **Jiangsu Koropp Maritime Technology Co., Ltd, People's Republic of China**
- **Navmoor Limited, United Kingdom**
- **Woori Haeyang Co. Ltd, Republic of Korea**
- **Tridel Technologies Private Ltd., India**
- **BC Cuerpo Construction Corporation, Philippines**
- **Tecotrex Welding Marine, Qatar**
- **Safe Sea Services FZCO, The United Arab Emirates**

The Council decided to suspend Associate membership for:

- **Port Autonome de San Pedro, Côte d'Ivoire**
- **STC B.V, the Netherlands**
- **TWL Logistics Ltd., Papua New Guinea**
- **Rosmorport, Russia**

The Council noted the update on suspended membership from:

- **Office National de Signalisation Maritime, Algeria**
- **Direction Générale de la Marine Marchande, Rep of Congo**
- **Instituto Nacional de Canalizaciones, Venezuela**

The Council noted that all National members owing more than one year of contribution were reminded the importance of having their contributions settled to conform with the transition arrangements as stated in the Convention on the new Organization.

16. COMMUNICATION

16.1 Update on communication

The period since the last council meeting has been busy for IALA and therefore more communication than usual was needed. The number of posts on social media increased and so did the number of followers. The Communication Group has directed its effort to produce regular and relevant content to the membership and the public to keep them up to date with events and news. The Communication Group remained eager to receive good stories from members to publish in the e-Bulletin, IALA's newsletter, with any development that could be of interest to the maritime community.

As it is the case for many companies or Organizations, internal communication can be a challenge, particularly when teams work remotely. The Communication Group proposed some measures to improve communication within the Secretariat. This topic was to be discussed more in depth during the IALA day which gathers the whole staff for one day.

Communication is a strategic tool used to achieve the overall aims of IALA. The communication policy document developed by the Communication Group was aimed to help implementing the strategic aims of the organization. It was foreseen that the new organization would need a policy as it would give guidance to ensure the sustainability and quality of information disseminated to the public. The communication policy would encompass internal and external communication and was aimed to be part of the Secretariat Procedures of the new Organization.

The Council noted the information provided.

17. ANY OTHER BUSINESS

There was no other business.

18. DATES AND PLACES FOR NEXT MEETINGS

The Council approved the following tentative dates and venues for the next sessions and noted the dates and venues for the Transition Council and IGO Council:

- Transition Council 01: 22 August 2024, online
- Transition Council 02: 18-19 September 2024, IALA Headquarters.
- Session 81: 9 to 13 December 2024, IALA Headquarters.
- Transition Council 03: 9 to 13 December 2024, IALA Headquarters.



- IGO Council 01: 21 February 2025, Singapore.
- Session [82]: 9 to 13 June 2025, IALA Headquarters or invitation.
- Session [83]: 8 to 12 December 2025, Mumbai, India.

ANNEX A – AGENDA FOR THE MEETING

APPROVED AGENDA

ITEM		ACTION REQUESTED
1. PRESIDENT'S OPENING REMARKS		Note
1.1 Address from Mr Durmuş Ünüvar – Deputy Minister of Transport and Infrastructure		
2. APOLOGIES FOR ABSENCE		Note
3. APPROVAL OF THE AGENDA		
3.1 Draft Agenda		Approve
4. VACANT POSITIONS WITHIN THE COUNCIL		Note
5. REPORT OF THE 79th SESSION		
5.1 Matters arising from the session		Note
6. REPORT BY THE SECRETARY-GENERAL		Note
6.1 Report from the Secretary-General		
7. NATIONAL MATTERS		Note
8. STRATEGY AND POLICY		
8.1 Policy Advisory Panel		Note
8.1.1 Report of PAP52		Note
8.1.2 Report of PAP53		
8.2 Change of status		Note
8.2.1 Status on signatures and ratifications		Note/decide
8.2.2 Status on the transition arrangements		Note
8.2.3 Preparation of the first General Assembly		
9. FINANCE AND AUDIT COMMITTEE REPORT		
9.1 2023 Audited financial Statements		Note & approve
9.2 Budget monitoring statement as of 30 April 2024		Note
9.3 Revised budget for 2024		Approve
9.4 Membership contribution status		Approve
10. TECHNICAL ACTIVITIES		
10.1 Legal Advisory Panel		Note
10.1.1 Report of LAP26		Decide
10.1.2 Appointment of a Vice Chair		
10.2 Committee work organisation		Approve
10.2.1 Committee work programme 2023-2027		Note
10.2.2 Committee meetings and events plan in 2024 and 2025		
10.2.2.1 Lighthouse Tourism and Heritage Conference 2025		
10.3 ARM		
10.3.1 ARM18 summary report		Note

ITEM		ACTION REQUESTED
10.3.2	Revised R1019 on Provision of Maritime Services in the Context of e-Navigation in the domain of IALA	Approve
10.3.3	New draft Guideline on Cyber security specifics from an IALA perspective	Approve
10.3.4	New draft Service specification for the provision of AtoN Information Service	Note
10.4	ENG	
10.4.1	ENG18 summary report	Note
10.4.2	Workshop Future Radionavigation and Radiocommunication systems	Approve
10.4.2.1	Proposal of the workshop on Future Radionavigation and Radiocommunication systems	
10.5	VTS	
10.5.1	VTS55 summary report	Note
10.5.2	Revised G1141 Operational Procedures for Delivering VTS	Approve
10.5.3	Revised G1177 Portrayal of VTS information	
10.5.4	New draft Service design for VTS traffic clearance service	Approve
10.5.5	New draft Service specification for VTS traffic clearance service	Note
10.5.6	Revised model course C0103-4 VTS On-the-Job Training Instructor	Note
		Approve
10.6	DTEC	
10.6.1	DTEC2 summary report	Note
10.6.2	New draft Guideline on provision of MCP identities	Approve
10.6.3	Revised R1007 The VHF Data Exchange System (VDES) for Shore Infrastructure	Approve
10.6.4	Revised G1128 Specification of e-Navigation Technical Services	Approve
10.6.4.1	Annex A Technical Service Specification Template	
10.6.4.2	Annex B Technical Service Design Template	
10.6.4.3	Annex C Service Instance Description Template	
10.7	IALA documents	
10.7.1	IALA manuals	Note
10.7.2	Proposed protocol for PS and TS versioning and approval	Approve
10.8	Product specifications	
10.8.1	Report on S-200 PS development	Note
10.9	Digital@Sea initiative	
10.9.1	D@S conferences	Note
10.10	Technical update	
10.10.1	Overview of the Maritime Connectivity Platform and progress update (presentation from Mr Axel Hahn)	Note
11.	WORLD-WIDE ACADEMY	
11.1	Progress report and future actions	
11.1.1	WWA Progress Report	Note
11.1.2	WWA Board	Decide
11.1.3	26 th Board meeting report	Note

ITEM		ACTION REQUESTED
11.1.4	Update – IALA Disaster Recovery Fund	Note
12.	INTERNATIONAL	
12.1	IHO	
12.1.1	Liaison note to NIPWG on S-100 operational interaction diagram	Approve
12.1.1.1	S-100 Operational Interaction Diagram (pdf version)	
12.1.1.2	S-100 Operational Interaction Diagram (visio version)	
12.1.2	Liaison note to NIPWG on Technical Service Specification	
12.1.2.1	Service specification for provision of AtoN Information	
12.2	RTCM	Approve
12.2.1	Liaison note to RTCM on the update of RTCM 10402.3 Standard	
12.3	IEC	
12.3.1	Liaison note to IEC TC80 WG17 on proposed change to IEC 63173-1	Approve
12.3.2	Liaison note to IEC Request to use elements of IEC 63173-2 in IALA document	
12.4	IMO/ITU EG	Approve
12.4.1	Liaison note to IMO ITU EG on IALA Task for Marine AtoN over IMT-2030	Approve
12.5	3GPP	
12.5.1	Liaison note to 3GPP TSGs on the Update of IALA Task for Marine AtoN over IMT-2030	Approve
12.6	ITU	
12.6.1	Liaison note to ITU-R SG5 on IALA Task for Marine AtoN over IMT-2030	Approve
		Approve
13.	IMC	
13.1	Report from the IMC representative	Note
14.	CONFERENCES, SYMPOSIA, AND OTHER EVENTS	
14.1	2025 – First IGO General Assembly – Singapore (TBC)	
14.2	2027 – 21st Conference – India	Note
14.3	World Marine Aids to Navigation Day	Note
14.3.1	WATON Day 2024	Note
15.	MEMBERSHIP	
15.1	Applications for Membership	Approve
15.1.1	Proposal for honorary membership	Note
15.2	Resignations and changes in Membership	Note
15.3	Suspensions and updates of Membership	Decide
16.	COMMUNICATION	
16.1	Updated on communication matters	Note



ITEM		ACTION REQUESTED
17.	ANY OTHER BUSINESS	Note
18.	DATES AND VENUES FOR NEXT MEETINGS	Note

ANNEX B – LIST OF PARTICIPANTS

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Legal Advisor

Christina SCHNEIDER

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ANNEX C – ACTION ITEMS

Action item 1

The Secretariat to circulate the Draft Staff Rules for comments. The Secretariat to gather comments received and circulate the table to councillors before the Transition Council meeting on 18-19 September 2024.

Action item 2

The Secretariat to prepare templates for council candidacies to the IGO and input papers to the General Assembly.

Action item 3

The secretariat to circulate the HQ agreement and premises offer to the Transition Council in due course.

Action item 4

The Secretariat to ask the Legal Advisory Panel whether advertising will be possible under the new status.

Action item 5

The DTEC Committee, in collaboration with the Secretariat to draft an information paper on the revised IALA Recommendation R1007 concerning VDES for shore infrastructure to IMO.

Action item 6

Councillors and all members to consider ways of facilitating sponsorships for the urgent needs of the SHSU.

Action item 7

The Secretariat to forward the approved the Liaison note on S-100 Operational interaction diagram to IHO NIPWG.

Action item 8

The secretariat to forward the approved the Liaison note on Technical Service Specification to IHO NIPWG.

Action item 9

The Secretariat to forward the approved liaison note on the update of RTCM 10402.3 Standards to RTCM.

Action item 10

The Secretariat to forward the approved liaison note on proposed change to IEC 63173-1 to IEC TC80 WG17.

Action item 11

The Secretariat to forward the approved liaison note on the request to use elements of IEC 63173-2 in IALA document to IEC.

Action item 12

The Secretariat to forward the approved liaison note on IALA Task for Marine AtoN over IMT-2030 to IMO ITU EG.

Action item 13

The Secretariat to forward the approved liaison note on the update of IALA Task for Marine AtoN over IMT-2030 to 3GPP TSGs.

Action item 14

The Secretariat to forward the approved liaison note on IALA Task for Marine AtoN over IMT-2030 to ITU-R SG5.

ANNEX D – RECORD OF DECISIONS OF THE 80th SESSION OF THE IALA COUNCIL

The Council approved the resolution as contained in paper C80-8.2.2.2 with the proposed change and decided to convene the first meeting of the Transition Council in the IALA HQ on 18-19 September 2024.

The Council noted the preparation of the first General Assembly and agreed Council would convene the General Assembly at an online meeting of the Transition Council on 22 August 2024, with an invitation to follow thereafter, and agreed to have a template for input papers to the General Assembly.

The Council noted the 2023 Audited Financial Statements, approved the proposed appropriation of the 2023 result and approved the reappointment of RSM France as Statutory Auditors.

The Council approved the revised budget for 2024.

The Council approved the membership contributions rates for 2025 as follows:

- National members: €19,680
- Industrial members: €6,730
- Associate members: €3,250

The Council decided to appoint Thomas Arculus from Trinity House, UK as Vice Chair of the LAP.

The Council approved the revised Committee work programme for 2023-2027.

The Council approved the revised R1019 on provision of Maritime Services in the context of e-Navigation in the domain of IALA, Ed2.0.

The Council approved the new draft Guideline on Cyber Security specifics from an IALA perspective, Ed1.0.

The Council noted the Technical Service: Marine Aids to Navigation (AtoN): Technical Service Specification for the Provision of AtoN Information, Ed1.0.

The Council approved the proposal of a Workshop on Future Radionavigation and Radiocommunication systems.

The Council approved the revised G1141 Operational Procedures for Delivering VTS, Ed3.0.

The Council approved the revised Model Course C0103-4 VTS On-the-Job Training Instructor, Ed3.0.

The Council modified and approved the new draft Guideline on Provision of MCP identities, Ed1.0.

The Council approved the revised R1007 The VHF Data Exchange System (VDES) for Shore Infrastructure, Ed2.0.

The Council approved the revised G1128 Specification of e-Navigation Technical Services, Ed1.5.

The Council approved the proposed protocol for Product Specifications and Technical Service versioning and approval.

The Council decided to appoint Ms Catherine Mulvihill as a new board member of the IALA World-Wide Academy.

The Council noted the report on the WWA Board and agreed that the seconded officer in Singapore could be referred to as the IALA World-Wide Academy office in Singapore, for the duration of the MoU.

The Council noted the update on the IALA Disaster Recovery Fund and Councillors agreed to consider ways of facilitating sponsorships for the urgent needs of the SHSU.

The Council approved the liaison note on S-100 operational interaction diagram to IHO NIPWG.

The Council approved the liaison note on Technical Service Specification to IHO NIPWG.

The Council approved the liaison note on the update of RTCM 10402.3 Standard to RTCM.

The Council approved the liaison note on proposed change to IEC 63173-1 to IEC TC80 WG17.

The Council approved the liaison note on request to use elements of IEC 63173-2 in IALA document to IEC.

The Council approved the Liaison note on IALA Task for Marine AtoN over IMT-2030 to IMO ITU EG.

The Council approved the liaison note on the update of IALA Task for Marine AtoN over IMT-2030 to 3GPP TSGs.

The Council approved the Liaison note on IALA Task for Marine AtoN over IMT-2030 to ITU-R SG5.

The Council approved National membership for:

- **Faroese Maritime Authority, Faroe Islands** (*late submission*)

The Council approved Industrial membership for:

- **Technomar Engenharia Ltda, Brazil**
- **Ocean King marine Services Ltd, Cyprus**
- **Brasal Marine Services CY Ltd, Cyprus**
- **Full Oceans, France**
- **Aqua-Module, France**
- **PT Jaya Admiral, Indonesia**
- **Prodar, Mexico**
- **Tidalis BV, The Netherlands**
- **Sonarsea Kara Ve Deniz, Türkiye**
- **GS Marine Valve & Ship Supply, Türkiye**
- **Geoseas Marine Protection and Demarcation Products, United Arab Emirates**
- **Aselsan A.S, Türkiye**
- **Shenzhen Green Source Light Equipment Co. Ltd, People's Republic of China** (*late submission*)

The Council approved Associate membership for:

- **DSA Ocean, Canada**
- **Colegio Oficial Nacional de Prácticos de Puerto de España, Spain**

The Council approved Honorary membership for:

- **Mr. André Châteauvert**, Manager of Land-Based Electronics, E&I, Integrated Technical in the Canadian Coast Guard Staff.
- **Mr. William (Bill) Cairns**, formerly of the U.S. Coast Guard (USCG) and the American Pilots Association (APA).

The Council noted the resignations from:

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- **Alsic BVBA, Belgium**
- **Combustion and Energy, Italy**
- **The Canadian Pilot's Association, Canada**
- **Seahow by Arctia, Finland**

The Council noted the following changes:

- **Hydrographic and Oceanographic Service of the Navy, in the Dominican Republic** is transferred from the Associate category to National category.
- **The membership from the Ministry of Communication, Maritime Transport Department, in Kuwait** is transferred to the **Coast Guard in the Ministry of Interior**.
- **HIS Markit, in the United States of America** is renamed **IHS Global Inc.**
- **General Dynamics Mission Systems, in Italy** is renamed **Page Europa**.

The Council decided to suspend industrial membership for:

- **Beijing Caton Global Technology Co. Ltd**, *People's Republic of China*
- **Shanghai Space Earth Net Information, Technology Co., Ltd.**, *People's Republic of China*
- **Jiangsu Koropp Maritime Technology Co., Ltd**, *People's Republic of China*
- **Navmoor Limited**, *United Kingdom*
- **Woori Haeyang Co. Ltd**, *Republic of Korea*
- **Tridel Technologies Private Ltd.**, *India*
- **BC Cuerpo Construction Corporation**, *Philippines*
- **Tecotrex Welding Marine**, *Qatar*
- **Safe Sea Services FZCO**, *The United Arab Emirates*

The Council decided to suspend Associate membership for:

- **Port Autonome de San Pedro**, *Côte d'Ivoire*
- **STC B.V**, *the Netherlands*
- **TWL Logistics Ltd.**, *Papua New Guinea*
- **Rosmorport**, *Russia*

The Council noted the update on suspended membership from:

- **Office National de Signalisation Maritime**, *Algeria*
- **Direction Générale de la Marine Marchande**, *Rep of Congo*
- **Instituto Nacional de Canalizaciones**, *Venezuela*



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International Association of Marine Aids to Navigation and Lighthouse Authorities
Association Internationale de Signalisation Maritime