



REPORT OF THE 76TH SESSION OF THE IALA COUNCIL

12 – 16 December 2022, Rio de Janeiro, Brazil



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OPENING

The 76th session of the council meeting was held from 12 to 16 December 2022 at the Windsor Barra Hotel, Windsor Convention Centre, Rio de Janeiro, Brazil and by video conference.

1. PRESIDENT'S OPENING REMARKS

On this 76th session of the IALA council meeting, Marcos De Almeida, Vice-President of IALA was happy to welcome all participants to this meeting in the beautiful city of Rio de Janeiro. He specially welcomed new councillors, Tsuguo Awai for Japan, Mohamad Halim Bin Ahmed for Malaysia, Steven Ramassini for USA, and new attendees for the delegations from Chile, Malaysia, Singapore, and Türkiye and asked them to briefly introduce themselves to the group. The Vice-president then added that the agenda for this meeting was quite full and included special items such as preparation of the conference and the General Assembly. The Brazilian Navy also welcomed councillors and gave more details about the programme of the week and particularly for the social events.

2. APOLOGIES FOR ABSENCE

There was two apologies from Young-shin Kim, the president, and South Africa who could unfortunately not be present for this session.

A list of participants is at Annex B.

3. APPROVAL OF THE AGENDA

Input paper C76-3.1 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 75th SESSION

5.1 Matters arising from the session

Communication officer Audrey Guinault introduced input papers C76-5.1.

All action items from the previous meeting have been completed and corresponding input papers could be found in different agenda items (8,12 and 17). A presentation of the electronic voting system was also planned to take place during the meeting.

The Council noted the report.

6. REPORT BY THE SECRETARY-GENERAL

The Secretary-General, Francis Zachariae, referred to input paper C76-6.1 with the detailed report. He mentioned, that notwithstanding the pandemic restrictions the last 3 years, IALA and the World-Wide Academy are on track with their respective work programmes and planned activities. All four committees, panels, boards etc. met physically in St. Germain-en-Laye in the last half of 2022. As agreed, the physical meetings were carried out as hybrid meetings with some attendances on-line. This system worked well and participants were very happy to be back in Paris.

The experience has shown that face-to-face meetings remain IALA's preferred mode of operation. However, the Secretariat has made arrangements for all meetings except for the Conference/General Assembly to take place in a hybrid/blended version with a combination of virtual and physical meetings.

The online facilities offered to the membership including the committee's dashboards meant that the arrangements for the virtual committees were very successful.

The committee sessions were therefore conducted with a physical week, including the possibility of virtual plenaries and participation. In order to facilitate these new arrangements, improvements to the online/Wi-Fi facilities at the Headquarters were made.

In what was seen as a huge improvement to scrutiny, transparency and quality, the silent approval procedure for output documents was kept. All closing plenaries were held online the week after the physical week which provided for an extended approval period that ensured the quality of documents submitted to the Council.

The IALA post committee survey has been issued and this valuable source of information will inform any further improvements to the working arrangements for committee facilitation. Initial feedback from participants have been positive.

The membership of IALA consists of 337 members: 93 National, 164 Industrial and 80 Associate, which is 17 members more than at the same time last year, and after the termination or resignation of some members which took effect from 1 January 2022. The movements in membership in the different categories can be studied in the input paper and more details on membership are in the agenda items 9 and 15.

The Secretary-General also gave an update on administration and Staff, communication, status on the IGO process and the World-Wide Academy. These topics are all covered in more details in other agenda points.

The Council noted the Secretary-General's report.

7. NATIONAL MATTERS

Input papers from C76-7.1 to C76-7.7 can be found on the website. All the councillors gave reports on national matters. Several countries reported on similar topics such as:

- Training is an ongoing development in many countries (there was feedback from successful past events and suggestions for future development).
- Organization of different local events for WATON Day. The Republic of Korea shared a film of Congratulatory remarks from Councillors on this occasion.
- DGPS (Canada reported shutting their system).
- Workshops: there was a very successful joint IALA-IHO event in Norway, and a planned event on Digital Maritime Communication in Tokyo, Japan in February 2023 and on AtoN Engineering, back-to-back with the ENG Committee in Australia on 2nd semester of 2024.

The national matter reports were noted.

8. STRATEGY AND POLICY

8.1 Current Drivers and Trends

Input papers C76-8.1.1 refers.

The Chair of the Strategy Drafting Group, Christian Forst, reported by correspondence that following Council 75 a group of Council members reviewed the Strategic Vision of IALA and the IALA Trends and Drivers paper. Both documents were updated, and all IALA National Members were asked to provide comments and proposals. Received comments were taken into account by the group, and a final draft was produced. Council is asked to approve both papers with a view to obtain General Assembly agreement and approval of both draft papers.

The chair of Strategy group wished to express his gratitude to South Africa, Canada, Sweden, Denmark, Australia and the IALA Secretariat for their excellent cooperation and contributions.

8.1.1.1 Strategic Vision

Input paper C76-8.1.1.1 refers.

The Secretary-General introduced the Strategic Vision as in the input paper and the Council had no comments to the document.

8.1.1.2 Current Drivers and Trends

Input paper C76-8.1.1.2 refers.

The Secretary-General introduced the draft Drivers and Trends document as in the input paper and the Council had no comments to the document.

The Council approved the draft Strategic Vision and the Drivers and Trends.

Action item 1

The Secretariat to send the Strategic Vision to the 14th General Assembly.

8.2 Policy Advisory Panel

8.2.1 Report of PAP47 & 48

Input paper C76-8.2.1 and C76-8.2.2 refer.

Omar Frits Eriksson, Deputy Secretary-General reported that since the last council meeting, the Policy Advisory Panel had met two times.

PAP 47 was a standard meeting held physically at the IALA Headquarters. All panel members were once again happy to be back to normal modus operandi with face-to-face meetings after the summer holidays. PAP47 took place in mid-September, just before the beginning of the Committee season, and the main purpose was to coordinate the work of the committees in advance of their final sprint of this work period.

Key outcomes of PAP47 included the review of new and revised entries in the IALA Dictionary, and a plan of future work, including the meeting dates for the committees, PAP and other IALA events. A further discussion on the revision of the IALA Standards took place and an input paper to IMO regarding IALAs activities in relation to MASS was drafted.

PAP members were also updated on various ongoing topics such as the transition arrangements for IALA to go from an NGO to an IGO, and the status of the review of R1001 IALA Maritime Buoyage System. Progress of the development of the so-called Maritime Resource Registry was also discussed. This work is kindly being funded by KRISO from Korea.

The Deputy Secretary-General reported further that the 48th session of the Policy Advisory Panel was held virtually in November 2022, which was just after the last committee meetings

Key outcomes of PAP48 included an agreement on the latest versions of the IALA Standards which have been submitted as input papers to C76, and a final version of an input paper to IMO NCSR10 on Maritime Services. The revised Basic Documents were finalized based on an input from the Legal Advisory Panel and disclaimer statements for the IALA website and documents, developed by the Legal Advisory Panel, were also agreed.

Members of the Panel agreed that there is a need for an even better cross-committee coordination, and that PAP could continue with the slightly increased frequency of meetings and focus each meeting on topics in need of coordination.

The Council noted the two reports.

Singapore expressed gratitude to the ENAV Committee for its excellent efforts in coordinating the cross-committee work on developing IALA's draft Guideline on MASS, which is slated for completion by the end of 2024. It noted the MASS Task Force had a productive hybrid meeting earlier on 12 Sep. Besides updating on the work of the respective committees, the Task Force discussed the MASS roadmap and the draft information paper to IMO on IALA's MASS activities. Both documents were finalised and approved at PAP47. Singapore highlighted that with the fast-moving evolution of MASS technologies, it is critical to ensure that IALA's Standards and Guidelines do not lag behind. Singapore therefore encouraged Member States to work closely with the MASS Task Force and contribute their valuable expertise towards the development of the MASS Guideline.

8.3 Change of status

Input paper C76-8.3.1 and C76-8.3.2 refer.

8.3.1 Status on signatures and ratifications

The Secretary-General mentioned that IALA had a very successful signing ceremony in St. Germain-en-Laye in January this year. During the first signing and this event, 50 States have signed the Convention. All Member States of the United Nations that have not signed during the signature period, may accede to the Convention, which will enter into force on the ninetieth day after the date of deposit of the thirtieth instrument of ratification, acceptance, approval or accession. As of the day of the meeting, 11 States have ratified, accepted or acceded to the Convention.

Some Council members, including France, the Republic of Korea, Finland, Sweden, Italy and Denmark took the floor and reported that their governments were in the process of ratifying the convention.

The Council noted the information.

8.3.2 Status on the transition arrangements

The Secretary-General mentioned that the Secretariat has started the detailed preparation for the transition period between the start of the new organization and the termination of the present association. For this purpose and after advice from the LAP, the Secretariat has appointed a French law firm, Carlara Avocats, to provide legal assistance throughout the transition period and until the winding up of the Association is complete. Carlara Avocats will help with respect to 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 to the Constitution of the present IALA, that reads:

"In the event of IALA being constituted as an international organization based on an international agreement the Council must arrange for the winding up of IALA and the formal transfer of ownership of all assets free of charge and without reservation into the possession of the organization constituted according to the international agreement. This Constitution will terminate without further action when the formalities for termination required by French law commenced by the Council are complete."

It is important to note, that upon entry into force of the Convention and until the first General Assembly of the IGO (maximum six month), the President, Vice President, the Council, the Secretary General, the Secretariat and the organs of the present IALA will execute the same roles in the IGO in accordance with the relevant articles of the Convention. This provision ensures that IALA will be able to continue its tasks during the transition period until the first General Assembly of the IGO will elect the first President, Vice President, the Council, the Secretary-General and all other relevant positions according to the Convention.

He also gave an orientation on the use of the General Regulations *mutatis mutandis* and the procedure for existing members to join the new IGO as associate or affiliate members.

The details are covered in the input papers.

The Council noted the information.

The councillor for Japan indicated that the approval of the budget for planning the conference on the drafting of the General Regulations of the future IGO to be held in the 4th quarter of 2023 was to be confirmed shortly. When approval is received further details of the preparations such as the place and date could be determined.

The councillor for Singapore congratulated IALA on receiving 50 signatures for the Convention, which he referred to as. This was an important milestone in IALA's change of status project. He noted the steady progress that IALA was making towards becoming an intergovernmental organisation, with eleven States ratifying/accepting or acceded the Convention thus far. The councillor for Singapore shared with the council that as a major hub port situated along a key waterway for international shipping, Singapore recognises the indispensable role IALA plays in facilitating safe and efficient marine navigation. Singapore strongly encouraged fellow Member States to ratify and accede to the IALA Convention at the earliest opportunity to grow IALA's mandate and strengthen global participation and cooperation in harmonising marine aids to navigation worldwide. Singapore also commended the IALA Secretariat on its tireless efforts in making detailed preparations for the transition and retaining broad-based participation in the new IGO. Furthermore Singapore thanked Japan for offering to host discussions on the draft General Regulations and Financial Regulations, which it looked forward to participating .

9. FINANCE AND AUDIT COMMITTEE REPORT

The Chair of the FAC, Captain Ian McNaught, introduced the input papers related to financial matters.

9.1 Projected result and budget monitoring statement

Input paper C76-9.1 and Annex C76-9.1.1 refer.

Total operating income as of 31 October 2022 is 2,4 million euros out of 2,9 million euros budgeted (83%). The rate of payment of membership contributions is 94% for the 2022 contributions and 44% for the contributions in arrears.

Total operating expenses as of 31 October 2022 account for 1,7 million euros out of 2,7 million euros budgeted (65%). In total, 1% of the overall expenditure budget was devoted to small investments, 28% to running expenses and 71% to personnel costs.

The surplus for the year 2022 is expected to be positive and will be affected to the bank reserves.

The Council noted the projected result and budget monitoring statement.

9.2 Budget for 2023

Input paper C76-9.2 and Annex C76-9.2.1 refer.

The income budget for 2023 amounts to K€3,009 and the total operating expenditure budget is K€3,113.

The budget anticipates the following costs:

- A conference on the General Regulations planned in Japan, open to all signatory and acceding states and National members
- The recruitment of a new staff member in the administrative section.
- The 20th IALA Conference in Brazil including the IMC event which costs have been anticipated from previous years by the constitution of a Reserve for Associative Project in the balance sheet.

The Finance and Audit Committee has recommended for the future the introduction of a new budget line of K€20 for a "Familiarization Package" for members and potential members (travel costs, visits...).

The final projected result of the 2023 budget amounts to -K€89. This result will be absorbed by the dedicated reserve at the time of closing the 2023 accounts.

The Council approved the budget for 2023.

9.3 Outline budget 2024-2026

Input paper C76-9.3.1 refers.

The budget is made for IALA as a Non-Governmental Organization operating under French law. It takes into account the next Symposium scheduled in 2025 in Singapore. The 21st IALA Conference planned in India has been postponed to 2027.

A 3% increase is applied to all membership contributions from 2024. It is also expected that more members will join IALA in the coming years (+3% for all categories).

The recruitment of a new staff member is anticipated in 2024 to assist the Secretariat in its transformation to an IGO and a budget is maintained for possible diplomatic events related to the change of status project over the period 2024-2026.

The Council noted the outline budget 2024-2026.

9.4 Membership situation status

Input paper C76-9.4 and C76-9.4.1 refer.

As of 10th December 2022, IALA welcomed in total 34 new members (twenty Industrials, eleven Associates and three National members: The Gambia, Slovenia and Liberia). The total number of members has reached 337 (+6%). The following actions have been taken:

- A free membership for the period September to December 2022 for the new industrial member **Chittagong Dry Dock Limited (Bangladesh)**
- A free membership for the period October to December 2022 for the industrial member **Dockyard and Engineering Works Limited (Bangladesh)**.

Eight Industrial members and two Associate members are now in a position to be removed from IALA membership list, due to non-payment of their contributions. The financial impact is €170,610 in total.

The Council noted the membership situation status.

10. TECHNICAL ACTIVITIES

10.1 Legal Advisory Panel

10.1.1 Report of LAP24

Input paper C76-10.1.1 refers.

The Secretary-General reported on behalf of the Chair of the Legal Advisory Panel. The 24th session of the Legal Advisory Panel was held at IALA Headquarters and by video conference on 8-9 November 2022, with Christina Schneider as Chair, Henning Osnes Teigene as Vice-chair and Audrey Guinault as Secretary. The LAP noted the reports from Council 75, PAP 45 & 46 and the last committee sessions. The LAP was also informed about the developments in the S-200 domain and the MASS task force. The Secretary-General briefed the panel on the change of status progress and the preparations for the General Assembly to be held in 2023. The LAP agreed on a new general disclaimer for the IALA website and a disclaimer for publications. The LAP considered the amendments made to the Basic Documents and the terms of reference for the IALA Disaster Recovery Fund. There were 2 presentations made: the first one showed the legal implications of a collision case and the second one the legal implications for building a tunnel between two countries. The rest of the meeting was routine business including the review of the Risk Registers for IALA and the World-Wide Academy.

The Council noted the report of LAP 24.

The Councillor for Italy asked if the presentation given at the LAP could be made available for sharing of experience purposes. The presentations will be uploaded on the website as an output paper of LAP24.

Action item 2

The Secretariat to upload the presentations from LAP24 to the website.

10.1.2 Basic Documents

Input paper C76-10.1.2 and C76-10.1.2.1 refer.

The Secretary-General reported that two changes were proposed to the Basic Documents as follows:

The first change was to the Convention Article 7.3, second bullet point. This change is to make sure that Countries with more than one National member have only one vote when electing the new Council.

The second change relates to the General Regulations Article (new) 7. This new article was introduced to allow meetings to be carried out on-line and use the experience gained during the pandemic.

The Council approved the Basic Documents Ed7.0 and that the amendment to the Constitution will be forwarded to the General Assembly for approval.

Action item 3

The Secretariat to send the amendment to the Constitution to the 14th General Assembly.

10.1.3 IALA Risk Register

Input paper C76-10.1.3 refers.

Very few changes were made to the IALA Risk Register as the level of risk remains quite low.

The Council noted the IALA Risk Register.

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 summary

Input paper C76-10.2.1 refers.

The covid-19 Pandemic has affected the work of the committees since the beginning of 2020. During the first half of 2020, ARM 11 session was held in Buenos Aires, Argentina, but the other three committees were cancelled.

From the second half of 2020 to 1st half of 2022, for four seasons of sessions, all the committee meetings were held as virtual meetings.

The result of the committee participant survey showed that some online participants had difficulties because of time differences and screen fatigue.

From the second half of this year, 2022, all the meetings have been back to physical with the virtual meeting arrangement. For this season, the committee meetings were organized as blended-type meetings, which means that some of the committee openings and/or closings were held as virtual meetings, and there were physical meeting weeks during the committee season. It gave all committees enough time to have working groups and task

group meetings when the participants were in the office. This type of meeting arrangement will continue for the following work period as well.

The Council noted the summary of the committee work.

10.2.2 Committee work programme 2018-2023

Input paper C76-10.2.2. and C76-10.2.2.1 refer.

During the second half of 2022, the committees finalized the work programme and included several new work items. The Secretariat has updated the work programme, as usual, with traffic light indicators accordingly within the spreadsheet in C76-10.2.2.1. The pending and delayed work items, as marked in yellow and red columns, will flow over to the next work period, 2023-2027.

For the next work period, the committee will review old documents and develop new guidance documents. Some topics, such as cyber security, MASS, light signal guidelines, and Resilient PNT and communications guidelines, have been transferred to the following work period.

The Council approved the Committee work programme for 2018-2023.

10.2.3 Committee work programme 2023-2027

Input paper C76-10.2.3 refers.

The purpose of the Work Programme is to clearly identify any items of work with outcomes and priorities, taking account of the Strategic Vision, the current Drivers and Trends, and the IALA Position Document on the development of Marine Aids to Navigation.

In accordance with the General Regulations, PAP, based on the inputs from the Committees, is developing a consolidated work programme for the next quadrennial 2023 – 2027 for approval by the Council.

Once the work programme is approved by the Council, it will cascade down to the committees' work plan, where more detailed tasks can be recorded and assigned.

PAP is working on the draft Work Programme 2023-2027 to ensure there is no conflicting or duplicated work. The document will be finalized at the PAP 49 session in March 2023 with a view to approval at Council 78 on 3 June 2023 in Brazil.

The Council noted the procedure for the committee work programme for 2023-2027.

10.2.4 Committee meetings and events date for 2023

Input paper C76-10.2.4

The Council noted the next work period 2023-2027, 3 events are planned to be held;

- Workshop on AtoN Engineering (IALA LITE/ BATT) back-to-back with ENG19 in Sydney, Australia, in 2024.
- Joint IALA IHO Workshop on S-100/200, in Annapolis, USA, in 2024 (subject to the approval as C76-10.3.9).
- Workshop on Sustainability, seeking a host country (otherwise in IALA HQ) in 2025.

The list of all meetings and events in 2023 is in the annex of the document.

The Council noted the committee meetings and events dates for 2023.

10.3 ARM

10.3.1 ARM16 summary report

Input paper C76-10.3.1 refers.

The 16th Session of the ARM Committee was held from 24 October to 4 November 2022, with Phil Day as Chair and Dave Lewald as Vice-Chair. The Secretary was Thomas Southall. At the meeting, 91 Participants from 27 countries participated. ARM considered 60 input papers and produced 25 output documents. The overall status of the committee has been annexed to document C76-10.3.1.

The Council noted the summary report of ARM16.

10.3.2 Revised R1001 Ed2.0 Maritime Buoyage Systems

Input paper C76-10.3.2 refers.

For the Maritime Buoyage System, ARM conducted a gap analysis and got comments from all the committees, PAP and LAP. The revised edition includes:

- updates, incorporation of electronic & mobile applications and the inclusion of Mobile Aids to navigation.
- Wording regarding MASS has been included.
- Addition of a section addressing sustainability.
- Removal of the AIS AtoN ITU message and code numbers.
- New illustrations on the IALA regions A and B and examples (Appendix 1,2).

The Council approved the revised R1001 Ed2.0 for sending the document to 14th General Assembly for approval.

10.3.3 New Recommendation on Cyber security for the IALA domain

Input paper C76-10.3.3 refers.

The Council approved the new Recommendation on Cyber security for the IALA domain.

10.3.4 Revised G1105 Ed2.0 Shore-side portrayal ensuring harmonization with e-Navigation related information

Input paper C76-10.3.4 refers.

The Council approved the revised G1105 Ed2.0 Shore-side portrayal ensuring harmonization with e-Navigation related information.

10.3.5 Revised G1159 Ed2.0 Ship reporting from Shore-based perspective

Input paper C76-10.3.5 refers.

The Council approved the Revised G1159 Ed2.0 Ship reporting from shore-based perspective.

10.3.6 Revised G1138 Ed2.0 the use of simplified IALA risk assessment method (SIRA)

Input paper C76-10.3.6 refers.

The Council approved the Revised G1138 Ed2.0, the use of simplified IALA risk assessment method (SIRA).

10.3.7 New Guideline on the marking of bridges and other structures over navigable waters

Input paper C76-10.3.7 refers.

The Council approved the new Guideline on the marking of bridges and other structures over navigable waters.

10.3.8 New Guideline on guidance on marine AtoN awareness and training for mariners

Input paper C76-10.3.8 refers.

The Council approved the new Guideline on guidance on marine AtoN awareness and training for mariners.

10.3.9 Workshop proposal on the second joint IHO/IALA workshop on S-100/S-200

Input paper C76-10.3.9 refers.

The joint workshop between the IALA and IHO on S-100/200 development and portrayal was held in September this year in Aalesund, Norway. This event was very successful. It gave great opportunities for both organizations to coordinate their product specification developments.

Workshop participants considered various presentations and discussions, and it was concluded that continued coordination and closer collaboration between IHO, IALA and IMO and other relevant bodies is essential to achieve globally harmonized solutions for S-100 and 200.

Based on the successful result of the workshop, ARM committee has prepared a proposal for another workshop in September 2024 in Annapolis, USA.

The Council approved the proposal for the second joint IHO/IALA workshop on S-100/200 to be held in 2024 in Annapolis, USA.

10.4 ENG

10.4.1 ENG16 summary report

Input paper C76-10.4.1 refers.

The 16th meeting of the ENG Committee (ENG16) was held from 17 to 28 October 2023, chaired by Simon Millyard and vice-chaired by Michel Cousquer. And the Secretary was Jaime Alvarez.

The Council noted the summary report of ENG16.

10.4.2 Revised R0203 Ed2.0 Definition of marine signal lights terms and measurement

Input paper C76-10.4.2 refers.

The Council approved the revised R0203 Ed2.0 definition of marine signal lights terms and measurement.

10.4.3 New Guideline on radar reflectors on marine aids to navigation

Input C76-10.4.3 refers.

The Council approved the new Guideline on Radar reflectors on marine aids to navigation.

10.4.4 New Guideline on AtoN equipment and structures exposed to extreme environmental conditions

Input paper C76-10.4.4 refers.

The Council approved the new Guideline on AtoN equipment and structures exposed to extreme environmental conditions.

10.5 VTS

10.5.1 VTS53 summary report

Input papers C76-10.5.1 refers.

The 53rd meeting of the VTS Committee was held from 16 – 28 September 2022, with Monica Sundklev as Chair and Dirk Eckhoff as Vice-Chair. And the Secretary of the meeting was Thomas Southall.

The Council 64 session approved G1166 on VTS in inland waters that cover the contents of R0120, and the committee requested to approve the withdrawal of R0120, Ed2.1, Vessel Traffic Services in inland waters.

And with envisioned approval of the document, C76-10.5.2 (VTS53-12.2.4) Revised R0125 Ed 4.0 VTS portrayal, the committee requested to withdraw R1014, Ed1.1, Portrayal of VTS Information and Data.

The Council noted the information on and VTS53 summary report.

The Council approved the proposal of VTS committee to withdraw R0120, Ed2.1, Vessel Traffic Services in inland waters and R1014, Ed1.1, Portrayal of VTS Information and Data.

10.5.2 Revised R0125 Ed4.0 VTS portrayal

Input papers C76-10.5.2 refers.

The Council approved the revised R0125 Ed4.0 VTS portrayal.

10.5.3 Revised R0128 Ed5.0 VTS systems and equipment

Input papers C76-10.5.3 refers.

The Council approved the revised R0128 Ed5.0 VTS systems and equipment

10.5.4 Revised G1130 Ed2.0 Technical aspects of information exchange between VTS and allied or other services

Input paper C76-10.5.4 refers.

The Council approved the revised G1130 Ed2.0 Technical aspects of information exchange between VTS and allied or other services.

10.5.5 Revised G1111 Ed2.0 Establishing functional and performance requirements for VTS systems and equipment

Input paper C76-10.5.5 refers.

The Council approved the revised G1111 Ed2.0 Establishing functional and performance requirements for VTS systems and equipment.

10.5.6 New G1111-1 Ed1.0 Producing requirements for the core VTS system

Input paper C76-10.5.6 refers.

The Council approved the new G1111-1 Ed1.0 Producing requirements for the core VTS system.

10.5.7 New G1111-2 Ed1.0 Producing requirements for voice communication

Input paper refers C76-10.5.7.

The Council approved the new G1111-2 Ed1.0 Producing requirements for voice communication.

10.5.8 New G1111-3 Ed1.0 Producing requirements for radars

Input paper C76-10.5.8 refers.

The Council approved the new G1111-3 Ed1.0 Producing requirements for radars.

10.5.9 New G1111-4 Ed1.0 Producing requirements for AIS

Input paper C76-10.5.9 refers.

The Council approved the new G1111-4 Ed1.0 Producing requirements for AIS.

10.5.10 New G1111-5 Ed1.0 Producing requirements for environment monitoring sensors

Input paper C76-10.5.10 refers.

The Council approved the new G1111-5 Ed1.0 Producing requirements for environment monitoring sensors.

10.5.11 New G1111-6 Ed1.0 Producing requirements for electro-optical systems

Input paper C76-10.5.11 refers.

The Council approved the new G1111-6 Ed1.0 Producing requirements for electro-optical systems.

10.5.12 New G1111-7 Ed1.0 Producing requirements for radio detection finders

Input paper C76-10.5.12 refers.

The Council approved the new G1111-7 Ed1.0 Producing requirements for radio detection finders.

10.5.13 New G1111-8 Ed1.0 Producing requirements for long range sensors

Input papers C76-10.5.13 refers.

The Council approved the new G1111-8 Ed1.0 Producing requirements for long range sensors.

10.5.14 New G1111-9 Ed1.0 Framework for acceptance of VTS systems

Input papers C76-10.5.14 refers.

The Council approved the new G1111-9 Ed1.0 Framework for acceptance of VTS systems.

10.5.15 New Guideline on How to promote safety culture in VTS

Input papers C76-10.5.15 refers.

The Council approved the new Guideline on How to promote safety culture in VTS.

10.5.16 New Guideline on Portrayal of VTS information

Input paper C76-10.5.16 refers.

The Council approved the new Guideline on Portrayal of VTS information.

10.5.17 Revised Model Course C0103-1 Ed3.0 VTS Operator training

Input paper C76-10.5.17 refers.

The Council approved the revised Model Course C0103-1 Ed3.0 VTS Operator training.

10.5.18 Revised Model Course C0103-3 Ed3.0 VTS on-the-job training

Input papers C76-10.5.18 refers.

The Council approved the revised Model Course C0103-3 Ed3.0 VTS on-the-job training.

10.5.19 Implication of MASS from a VTS perspective

Input papers C76-10.5.19 and C76-10.5.19.1 refer.

The Council noted the information provided.

The councillor for Germany stated that it was an excellent paper on MASS with very valuable input and contribution to the discussion. However, the Status and purpose of this paper was unclear. This led to the question whether this paper is an official IALA document, an internal paper of the VTS Committee, or an input paper to the IALA working organisation in general. To avoid any misunderstanding, it is recommended to amend status and purpose of the discussion paper before distributing it outside of IALA, the German Councillor said.

The Secretary-General suggested that the Council note the paper and send it to PAP for further consideration perhaps with a view of forwarding it to the MASS TF as an input paper for their work.

Action item 4

The Secretariat to send the paper Implication of MASS from a VTS perspective to PAP for further consideration.

10.5.20 Future VTS

Input papers C76-10.5.20 and C76-10.5.20.1 refer.

The Council noted the information provided.

The councillor for Germany stated that as for the MASS paper, the status and purpose of the paper Future VTS is unclear as well. Germany understood that the status and purpose was comparable to the MASS paper. To avoid any misunderstanding, it was recommended to amend status and purpose of the discussion paper before distributing it outside of IALA accordingly.

The Secretary-General suggested the same procedure as for paper 10.5.19.

Action item 5

The Secretariat to send the paper Future VTS to PAP for consideration.

10.6 ENAV

10.6.1 ENAV30 summary report

Input papers C75-10.6.1 refers.

The 30th meeting of the ENAV Committee was held from 26 September to 7 October 2022, chaired by Hideki Noguchi and vice-chaired by Jorge Arroyo. The Secretary for the meeting was Jaime Alvarez.

The meeting considered 50 input papers and produced 19 output papers.

The Council noted the ENAV30 summary report.

10.6.2 Revised G1157 Ed2.0 Web service based S-100 data exchange

Input paper C76-10.6.2 refers.

The Council approved the revised G1157 Ed2.0 Web service based S-100 data exchange.

10.6.3 Revised G1107 Ed3.0 Planning and reporting of testbeds in the maritime domain

Input paper C76-10.6.3 refers.

The Council approved the revised G1107 Ed3.0 Planning and reporting of testbeds in the maritime domain.

10.6.4 Revised G1117 Ed3.0 VHF data exchange system (VDES) overview

Input paper C76-10.6.4 refers.

The Council approved the revised G1117 Ed3.0 VHF data exchange (VDES) overview.

10.6.5 New Guideline on An introduction to artificial intelligence from an IALA perspective

Input paper C76-10.6.5 refers.

The Council approved the new Guideline on An introduction to artificial intelligence from an IALA perspective.

10.6.6 New Guideline on The internet of things

Input paper C76-10.6.6 refers.

The councillor for Germany commented that it was an excellent work and important contribution. However, they would recommend changing the title of the Guideline from “The internet of things” to “An introduction to the Internet of Things (IoT) from an IALA perspective” to give this excellent paper the attention it deserves.

The Council agreed to change the title of the document to An introduction to the Internet of Things from and IALA perspective and approved the new Guideline on An introduction to The Internet of Things (IoT) from an IALA perspective.

10.6.7 Proposal on withdrawal of G1139

Input paper C76-10.6.7 refers.

IALA Guideline G1139 was originally developed as the base document for ITU Recommendation ITU-R M.2092-0 Technical characteristics for a VHF data exchange system in the VHF maritime mobile band. Since, ITU published the Recommendation ITU-R M.2092, ENAV requested Council to withdraw Guideline G1139, Ed3.0.

The Council approved the withdrawal of G1139 Ed3.0 Technical specification of VHF data exchange system (VDES).

10.7 S-200 development

Input paper C76-10.7.1 and C76-10.7.1.1 refer.

Minsu Jeon made a presentation on S-200 development. He reported the summary of the committees works on S-200 series product specifications.

The S-201 task group has progressed with the revision of the S-201 standard and completed the revision of the S-201 AtoN information product specification in consideration of the results of the S-100/S-200 workshop. ENG has finalized work on the S-245 on eLoran ASF data PS and has decided to share this with the Secretariat for uploading to the IALA website as a draft for testing (version 1.0.0). The VTS committee also endorsed the result of the joint IHO/IALA workshop. During VTS 53, a general plan for the digital delivery of VTS information was discussed, and from this plan, it became clear that these tasks are closely related and that they also provide a basis for ongoing work.

The Secretary-General emphasised the importance of the work on S-200 as an important factor for world-wide harmonization.

The Council noted the information provided on the committee's work on S-200 development

The Council approved S-245 eLoran ASF data product specification ed1.0.

10.8 Digital@Sea Initiative

Input paper C76-10.8.1 refers.

Minsu Jeon gave a briefing on the Digital@Sea (D@S) initiative. It was noted that two successful events have been held since the last session of the Council meeting.

- The D@S North America Conference 2022 was held from 11 to 12 May 2022 in Tampa, Florida.
- The D@S Asia Pacific Conference 2022 was held as a hybrid meeting from 15 to 16 September in Seoul, Korea.

The planned D@S International on 6 - 7 February 2023 in Copenhagen, Denmark, has been postponed to 2024 because of the government restructuring. The plan for D@S events are:

- Digital@Sea North-America on 18 - 19 April 2023 in Montreal, Canada
- Digital@Sea Asia Pacific 2023, TBD
- Digital@Sea Capacity Building workshop 2023, TBD

Further information about the initiative can be found at the consolidated website - <http://digitalatsea.org/>.

The Council noted the information provided about the Digital@Sea initiative.

10.9 Publications

10.9.1 IALA Manuals and NAVGUIDE

Input paper C76-10.9.1 refers.

IALA has published three manuals, NAVGUIDE, VTS manual and IALA complementary lighthouse use manual, and they are regularly updated. The current editions of the documents are:

- IALA complementary lighthouse use manual
- NAVGUIDE
- VTS manual

The NAVGUIDE coordinating group has been reviewing and updating the NAVGUIDE edition 9.0. All of the committees and the Secretariat updated the relevant chapters with a view to having the new edition launched at the 2023 IALA Conference in Brazil. With that respect, the draft version is still in the drafting phase, and the final draft for council approval could be ready by March 2023 by e-mail approval procedure.

The Council noted the information provided.

11. World-Wide Academy

11.1 Progress report and future actions

Input paper C76-11.1.1 refers.

The Dean of the World-Wide Academy provided a report of the progress of the Academy and said that Council members would recall that the IALA World-Wide Academy (the Academy) focusses on facilitating the effective implementation of the IALA standards, recommendations, guidelines, and model courses by coastal States through education, training and capacity building thereby underpinning the second strategic goal of IALA.

The Academy aims to ensure that all coastal States can fulfil the obligations related to Marine Aids to Navigation placed upon them in Chapter V of the SOLAS Convention and that all coastal States can claim conformance with the relevant IALA standards.

As COVID-19 restrictions have eased, face-to-face activities have resumed. Capacity building technical cooperation missions have resumed and face-to-face training events are emerging, although this still is limited in scope and scale.

The Academy has remained active in the promotion of the SOLAS requirements related to both AtoN and VTS and the benefits of implementing the IALA standards. Contact has remained strong with sister organisations, particularly those signing up to the 'UN Delivering as One' concept.

During the October IMO Technical Cooperation committee meeting in London, several meetings were held with various divisions of the IMO.

Apart from important meetings with various sections of the IMO, such as regional CB coordinators and the Women in Maritime section, perhaps one of the more important meetings to be mentioned, was the meeting with the IMO Resource Mobilisation Manager, who expressed interest initiating a large joint safety of navigation related project between IALA, IHO and the IMO. The potential of such a joint venture could be huge, and the Academy will explore this option further.

Significant developments continue to be made with respect to the education and training activities in terms of the modernisation of existing practices, as well as the development of new courses and materials to support both distance learning and face-to-face training.

The Academy continues to support the ASEAN Regional VTS Training project funded by Japan and delivered at MATRAIN in Port Klang, Malaysia. The first post-pandemic course commenced in August and another course took place in November. The Academy assisted with both courses.

In a European funded project focusing on the Red Sea and Horn of Africa, the IMO has decided on training government officials, SAR and VTS operators from Djibouti, Ethiopia Somalia, Sudan, and Yemen. The courses are introductory level courses drawing from relevant elements of the IALA VTS model courses. The training is tailored to the needs of the countries concerned and will initially be focussed on effective communication and sharing of information with ships and the response to distress and urgency messages.

At the request of the IMO, the Academy provides the bulk of the logistical support for the training. The first introductory course took place at MARSATI in Lebanon with six Somali participants, and three more courses are scheduled for 2023 (Ethiopia, Yemen and Sudan).

Technical cooperation visits have resumed and since C75, missions have been conducted to the Seychelles, Cambodia, Bangladesh.

The Dean reported that in Kevin Gregory had announced that he would be moving to a new role with effect from the end of August. Kevin stated that it had been an exceptionally rewarding experience working for the World-Wide Academy, especially in witnessing first-hand the positive impact that the Academy has on both the professional and personal levels around the world. The Academy thanks Kevin for his contribution to the development of the Academy and wishes him good wind going forward.

As expected, there was great interest for the vacant position, with candidates from all parts of the world, some of which were extremely experienced and well suited for the job. At the end of the day Ms. Latifa Oumouzoune from Morocco was selected as the best suited candidate and she will take over the role as the Academy Education and Training manager in the beginning of 2023.

In conclusion the Dean provided a short overview of the activities and achievements of the Academy since C75.

The Council noted the Academy progress report.

Singapore commended the consistent efforts of the World-Wide Academy in ensuring the continued delivery of capacity-building initiatives following the COVID-19 pandemic. Singapore strongly supports the efforts of World-Wide Academy. It explained that under the IALA-MPA Memorandum of Understanding signed in 2018, Singapore committed S\$1,000,000 over a period of 5 years to support the capacity building and human resource development of IALA's National members. During the COVID-19 pandemic, the organisation of capacity-building activities has been put on hold for the past few years. It noted that with the improvement of the pandemic situation, the Maritime Port Authority of Singapore has restarted discussions with the Academy on possible activities in Singapore for 2023, including a joint workshop on e-navigation. Singapore shared with the council that it resumed the delivery of face-to-face training for the international community. It highlighted that this year, the MPA Academy had conducted a range of in-person courses, such as the recently concluded 8th Port Management Programme and the 12th Maritime Public Leaders' Programme which were attended by nearly 40 senior maritime leaders worldwide. Singapore stressed that it remained strongly committed to capacity building, and we would continue to do our part to support fellow National members..

The councillor for Malaysia also expressed gratitude and informed the council of the long-standing sponsorship from Malaysia to the Academy. He added two questions: one regarding the follow up on the alumni's and one on the length of the Level 2 courses. The Dean replied that a database of alumni's is maintained, and contact is kept with each individual Alumni, as much as possible. Regarding the length of the Level 2 technician courses, it is up to the training centre to adapt the number of hours deemed necessary for the syllabus of each module.

Morocco also expressed renewed interest for hosting training and suggested that Accredited Training Organisations should be offered to use the Academy online learning platform. The Dean replied that it is indeed the intention to offer the Academy online learning platform for use by Accredited Training Organisations.

11.2 Academy Risk Register

Input paper C76-11.2.1 refers.

The Dean reported that the Academy risk factors are unchanged. The probability of loss of major sponsorship remains the highest risk factor and must be continuously mitigated through effective briefing of major sponsors as well as sponsorship diversification.

As the Pandemic loosens its grip, and travel activities are resumed the risk to personal safety of staff during missions will rise again. The Dean also said that the Academy now has picked all the low hanging fruits and is now planning visits to countries with more security issues than before. To mitigate this risk, a specific risk assessment of each visit is routinely conducted and appropriate measures such as satellite tracking and police or armed escort, are taken when needed.

The dean concluded by saying that the positive development in the IALA IGO project, now that the Convention is being signed by governments, means that the risk of IALA failing as an international organisation continues to stay at a low level.

The Council noted the WWA Risk Register.

12. INTERNATIONAL

12.1 RTCM

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

12.1.1 Liaison note to RTCM SC104

Input paper C76-12.1.1 refers.

This liaison note (C75-12.1.1 Liaison note to RTCM SC104 on R-Mode messages) was discussed at the last Council meeting, and went back to the ENG Committee for further consideration. The revised document was presented to the meeting.

The Council approved the liaison note on SC-104 2.x to forward to RTCM SC104.

Action item 6

The Secretariat forwards the approved liaison notes on SC-104 2.X to RTCM SC104.

12.2 IMO

NCSR10

12.2.1 Amendments to IMSAS manual relating to VTS

Input paper C76-12.2.1 and C76-12.2.1.1 refers.

IALA submitted a document to IMO MSC 103 in May 2021 on proposal for amendment on the IMO IMSAS Auditors' Manual in relation to VTS and Aids to navigation. However, the input was not able to be discussed in IMO because of the limited time, and after that IMO Assembly adopted a revised resolution A.1158(32) on guidelines for vessel traffic services on the 15 December 2021. This resulted that the previously submitted amendments on the IMSAS Manual by IALA became out of date and needed to be revised in order for the questions on VTS to conform with the new resolution.

The Council approved the amendments to IMO Member State Audit Scheme related to the revised resolution A.1158(32) Guidelines on vessel traffic services to be submitted to IMO NCSR10.

Action item 7

The Secretariat submits the approved document on amendments to IMO Member State Audit Scheme related to the revised resolution A.1158(32) Guidelines on vessel traffic services to IMO NCSR10.

12.2.2 Harmonization of identifiers using maritime resource name (MRN)

Input paper C76-12.2.2 refers.

The use of unique identifiers is a necessary development of Maritime Services in the context of e-navigation to maintain harmonization across domains, services, and bodies. Maritime resources, such as Marine Aids to Navigation (AtoN), Vessel Traffic Service (VTS), waterways and authorities, require unique identification to avoid duplication and misalignment when referenced.

The Council approved the harmonization of identifiers using Maritime Resource Name to be submitted to IMO NCSR10.

Action item 8

The Secretariat submits the approved document on harmonization of identifiers using Maritime Resource Name to IMO NCSR10.

12.2.3 New revision of G1117 VHF data exchange system (VDES) overview

Input paper C76-13.2.3 refers.

This document is an information paper from IALA on the revised IALA Guideline G1117 on VDES overview. The message is that the Guideline is intended to assist in the understanding, integration, further development, and promotion of VDES in the maritime domain.

The Council approved the revision of G1117 VHF data exchange system (VDES) overview to be submitted to IMO NCSR10.

Action item 9

The Secretariat submits the approved document on Revision of G1117 VHF data exchange system (VDES) overview to IMO NCSR10.

12.2.4 Proposal on the new description on AtoN and VTS

Input paper C76-13.2.4 refers.

This document includes proposals for new maritime service description on Aids to navigation service and revision of the current description 1,2,3 on VTS into one single service. They are annexed in the document. It is the position of IALA that the descriptions of the Maritime Services should also provide information on the provision of AtoN deployed to enhance the safety of navigation. IALA has therefore developed a new Maritime Service description on Aids to Navigation (AtoN) as described in annex of the document.

The Council approved the proposal on the new description on AtoN and VTS to be submitted to IMO NCSR10.

Action item 10

The Secretariat submits the approved document on Proposal on the new description on AtoN and VTS to IMO NCSR10.

MSC107

12.2.5 Circular letter on tools to aid risk assessment

Input paper C76-12.2.5 refers.

The Deputy Secretary-General proposed to add “Volume of traffic and/or” to paragraph 2 of the annex, and it was agreed by the Council.

“It includes both qualitative and quantitative tools and simulation guidance that the maritime community can use to objectively assess the volume of traffic and/or degree of risk.”

The Council approved the circular letter on tools to aid risk assessment with to be submitted to IMO for circular.

Action item 11

The Secretariat submits the approved document on Tools to aid risk assessment to IMO for a circular letter.

12.2.6 Proposal for a new output minimum performance standard for dual frequency multi-constellation SBAS

Input paper C76-12.2.6 refers.

The Councillor for Japan raised a concern that SBAS was not recognized by IMO and the development of IMO performance standards for SBAS should be after the recognition of SBAS by the revision of IMO Resolution A.1046 (27) *Worldwide Radionavigation System*. Therefore, Japan retains its right to make further comment at MSC.

The Council approved joining co-sponsor of the proposal for a new output minimum performance standard for dual frequency multi-constellation SBAS.

Action item 12

The Secretariat inform the main submitter European Commission and other co-sponsors to include IALA as a co-sponsor of the Proposal for a new output to develop minimum Performance Standards for Dual Frequency Multi-Constellation SBAS and Advanced Receiver Autonomous Integrity Monitoring in shipborne radionavigation receivers.

IMO Council 128

12.2.7 The transition of the e-Navigation underway to Digital@Sea initiative

Input paper C76-12.2.7 refers.

The document was approved by the Council with e-mail approval procedure(ref. IALA/22-171), and the meeting noted the information provided by the secretariat.

The Council noted the report of the secretariat on the transition of the e-Navigation underway to D@S initiative.

12.3 IMO ITU EG 18

12.3.1 IALA workshop on the development of IALA plan for future digital maritime communication infrastructure

Input paper C76-12.3.1 refers.

The document was approved by the Council with e-mail approval procedure(ref. IALA/22-185), and the meeting noted the information provided by the secretariat.

The Council noted the report of the secretariat on information paper on IALA workshop on the development of IALA plan for future digital maritime communication to IMO ITU EG18.

12.3.2 Proposal on WRC-23 agenda item 10 regarding VDES R-Mode

Input paper C76-12.3.2 refers.

The document was approved by the Council with e-mail approval procedure(ref. IALA/22-185), and the meeting noted the information provided by the secretariat.

The Council noted the report of the secretariat on proposal on WRC-23 agenda item 10 regarding VDES R-Mode to IMO ITU EG10.

12.4 IEC TC80

12.4.1 New revision of G1117 VHF data exchange system (VDES) overview

Input paper C76-12.4.1 refers.

The Council approved the revision of G1117 VHF data exchange system (VDES) overview to forward to IEC TC80.

Action item 13

The Secretariat forwards the approved document on Revision of G1117 VHF data exchange system to IEC TC80.

12.5 ITU-R WP5B

12.5.1 New revision of G1117 VHF data exchange system (VDES) overview

Input paper C76-12.5.1 refers.

The Council approved the revision of G1117 VHF data exchange system (VDES) overview to forward to ITU-R WP5B.

Action item 14

The Secretariat forwards the approved document on Revision of G1117 VHF data exchange system to ITU WP5B.

12.6 IHO

12.6.1 Liaison note to IHO NIPWG on S-125

Input paper C76-12.6.1 and C76-12.6.1.1 refers.

A point on the water mark of the document as working document was raised, and the group agreed to delete the watermark and put a sentence in the document that it is working document if needed.

The Council approved the liaison note on S-125 to forward to IHO NIPWG.

Action item 15

The Secretariat forwards the approved document on S-125 to IHO NIPWG.

13. IMC

The IMC representative Simon Brooks from AMS reported that the preparations for the conference were well underway for the Industrial members exhibition. Since the last meeting the Industrial members exhibition manual was sent to the membership and the booking of the booths could start in October. The Secretary-General added that at the IMC General Assembly, it was expected that the current Bye-Laws would be replaced by Terms of Reference. The name of the IMC was also expected to be changed to Industrial Members Group, and the Board of the Industrial member would be renewed on this occasion. A code of conduct for Industrial members has been developed and would be presented at the General Assembly.

The council noted the report from the IMC.

14. IALA CONFERENCES, SYMPOSIA AND OTHER EVENTS

14.1 2023 - 20th Conference – Brazil

Capt. Alberto Piovesana gave an update on the preparation of the conference to be held from 27 May to 3 June 2023 in Rio de Janeiro, Brazil. He showed the councillors the details of the surroundings of the convention center as well as the partner programme, the IM evening and different attractions in the area. The councillors then benefited from a tour at the Windsor Convention Center where the conference is to be held. They could appreciate all of the venue's benefits in terms of space availability and easy circulation between the different floors and the nearby hotels.

The Council noted the information provided.

The Vice-President and the Secretary-General encouraged all councillors to participate in the conference and to send appropriate delegations to this very important event.

14.2 Preparation for the General Assembly 2023

14.2.1 Preparations

Input paper C76-14.2.1 refers.

The Secretary-General referred to the input paper that describes the planning for the General Assembly and all the actions needed six months, four months etc. before the assembly.

Some points on the provisional agenda are routine standard points, but there are several points that need to be prepared well in advance of the General Assembly:

- Approval of amendments to the Constitution.
- Approval of standards and the Strategic Vision.
- Election of the Council.

These points were described more in detail.

The Council noted the information provided.

14.2.2 Voting system presentation

The council was presented with a demonstration of the proposed electronic voting system works. While the demonstration test was very appreciated, Councillors had several concerns regarding cybersecurity and how the secrecy of vote would be preserved in the system. There was also a need to address how authorised log-ons and voting would be prevented, as well as how it could be assured that no data of each National member's individual vote choices would be recorded in the vendor's database to ensure voting secrecy. To aid Councillors' decision, the Secretariat therefore proposed to prepare a list to clearly outline the entire procedure of the voting system and demonstrate how Councillors' concerns could be comprehensively addressed so as to safeguard the secrecy and integrity of the entire election process.

The Council noted the information provided.

Action item 16

The Secretariat to prepare a procedure and list of requirements for the electronic voting system.

14.2.3 Revision of the Standards

14.2.3.1 Revised Standard 1010 Ed2.0

The Council approved the revised Standard 1010 Ed2.0 for the approval by the 14th General Assembly

14.2.3.2 Revised Standard 1020 Ed2.0

The Council approved the revised Standard 1020 Ed2.0 for the approval by the 14th General Assembly

14.2.3.3 Revised Standard 1030 Ed2.0

The Council approved the revised Standard 1030 Ed2.0 for the approval by the 14th General Assembly

14.2.3.4 Revised Standard 1040 Ed2.0

The Council approved the revised Standard 1040 Ed2.0. for the approval by the 14th General Assembly

14.2.3.5 Revised Standard 1050 Ed2.0

The Council approved the revised Standard 1050 Ed2.0 for the approval by the 14th General Assembly.

14.2.3.6 Revised Standard 1060 Ed2.0

The Council approved the revised Standard 1060 Ed2.0 for the approval by the 14th General Assembly.

14.2.3.7 Revised Standard 1070 Ed2.0

The Council approved the revised Standard 1070 Ed2.0 for the approval by the 14th General Assembly.

14.2.4 Maritime Buoyage System

The Council approved the revised Maritime Buoyage System for the approval by the 14th General Assembly.

Action item 17

The Secretariat to send the approved draft Standards S1010 to S1070 and the revised Maritime Buoyage System to the 14th General Assembly.

14.3 2025 – 15th Symposium - Singapore

The councillor for Singapore expressed his gratitude on behalf of Singapore for the opportunity to host the 15th VTS Symposium. With Council's support, Singapore will host the Council session in conjunction with the Symposium in 2025. Singapore would share the details of the VTS Symposium and, together with the Council session in due course.

The Council noted the information provided.

14.4 2027 – 21st Conference - India

India renewed its gratitude for the opportunity to host the 21st Conference. At this stage, there were three possible places pre-selected to hold the event. The first was Goa, the second was Mumbai and the third was Chennai. It was expected that the Ministry should give approval on one of these possibilities shortly. The preparations could then start.

The Council noted the information provided.

14.5 World Marine Aids to Navigation Day

14.5.1 WATON Day 2023

The Secretary-General reported that the WATON Day 2022 was successfully hosted by the National member in Bulgaria. It was very well organized and followed. The success of the day in general was highly visible through social media and the different events organized worldwide.

Regarding the organization of the main event for the WATON Day 2023, there was no proposal received to this day. The Secretary-General invited the councillors to consider if they would be interested in hosting this event.

The Council noted the information provided.

Morocco expressed the interest in hosting the event in 2023 which will fit very well with celebrating the Lighthouse of the year (see point 14.6). However, the 1st of July was not suitable for Morocco as it is a religious holiday therefore they proposed to hold it on the 3rd of July instead of the 1st.

14.6 Heritage Lighthouse of the Year

14.6.1 Heritage Lighthouse of the Year 2023

Input C76-14.6.1 refers.

According to the decision of the Council 75, with the changed rule of the selection of the Heritage Lighthouse, ENG committee received 13 new nominations and out of 46 Heritage Lighthouses, and three Lighthouses were Commended by the committee for consideration for the Council for the IALA Heritage Lighthouse of the Year 2023;

- Cap Spartel Lighthouse, Morocco
- Lizard Lighthouse, England
- Kõpu Lighthouse, Estonia

The councillor of Australia renewed support in the decision to select Cap Spartel as HLY, and councillors of France and Japan also supported the decision.

The Council approved Cap Spartel lighthouse, Morocco, as the Heritage Lighthouse of the year 2023.

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

Input paper C76-15.1 refers.

The Council approved Industrial membership for:

- Chittagong Dry Dock Limited, *Bangladesh*
- Dockyard and Engineering Works Limited, *Bangladesh*
- Umi San Serviços de Apoio a Navegação e Engenharia Ltda, *Brazil*
- Salvage Certificação, Projetos e Serviços Offshore, *Brazil*
- Plovput d.o.o - Production, design, maintenance and development, *Croatia*
- General Dynamics Mission Systems Italy-GMDS, *Italy*
- Daehan Engineering Co., Ltd, *Republic of Korea*
- Quantum Solutions, *Republic of Korea*
- Oceans Works Pacific Limited, *Papua New Guinea*
- Malsa Equipos Industriales SA de CV, *Mexico*

- **Marine Services Co.; Ltd**, *Saudi Arabia*
- **Qingdao Geetsatcom Technology Co.,Ltd**, *The People's Republic of China (from last Council)*
- **Nsonesoft Co.Ltd**, *Republic of Korea (from last Council)*

The application of **Dinos International Corp.**, *Taiwan province of China (late submission)* is postponed until a fast review process is completed by China MSA.

The Council approved Associate membership for:

- **Companhia Docas Do Rio de Janeiro**, *Brazil*
- **Albatroz Apoio Marítimo Portuário Ltda**, *Brazil*
- **Italian Maritime Academy Technologies S.r.l**, *Italy*
- **Korea Center for International Maritime Safety Cooperation**, *Republic of Korea*

15.1.1 Proposal for Honorary Membership

The Swedish Maritime Administration and the Swedish Transport Agency, supported by the UK Councillor, proposed Commodore Barry Goldman, Younger Brother of Trinity House, Sister Organization from the International Harbourmasters Association (IHMA), for honorary membership.

The councillors for Italy and Malaysia also supported the proposal.

The Council approved honorary membership for Commodore Barry Goldman.

15.2 Resignations and changes in membership

Input paper C76-15.2 refers.

The Council noted the resignations from Industrial membership of:

- **Safran Electronic Defense**, *France*
- **Pinturas Luarca, SL**, *Spain (late submission)*
- **ExactEarth**, *Canada (late submission)*
- **Shine Micro**, *The United States of America (late submission)*

The Council noted the following changes:

- **Port of Melbourne** in Australia has become Ports of Melbourne Operations Ltd.
- **Engie Fabricom** in Belgium is renamed Equans.
- **Kenta** in France was acquired by Nautel and is now renamed Kenta Technologies.
- **Kongsberg Seatex AS** in Norway merged with its parent company Kongsberg Maritime AS. This merger shall take effect from 1st January 2023 under a new name, Kongsberg Maritime.

15.3 Terminations and update on membership

Input paper C76-15.3 refers.

The Council took a close look at the list of members already suspended by Council 75 for non-payment of their dues and made the following decisions:

Terminate industrial membership for:

- **Chaohu Qunli Marine Anchor Chain Co. Ltd**, *The People's Republic of China*
- **Shandong Buoy & Pipe Industry Co. Ltd**, *The People's Republic of China*

- **Qingdao Hotech Automated, *The People's Republic of China***
- **Pesona Global Teknologi, Pt, *Indonesia***
- **Harmoz Berkeh Ertebat Electronic Gil, *Iran***
- **Navalec S.A de C.V, *Mexico***
- **AD Engineering Limited, *Papua New Guinea***
- **Maximum Protective Service Intl N.V, *Suriname***

Terminate associate membership for:

- **Electronics and Telecommunication Research Institute, *Republic of Korea***
- **Marine Transport Institute, *Democratic People's Republic of Korea***

16. COMMUNICATION

16.1 Update on communications

Communication officer Audrey Guinault gave a presentation on the latest developments in IALA communications. She gave an overview of the types of stories on which IALA communicates and a list of the different audiences of interest that were identified. She then showed what was the procedure to establish a well targeted communication in order to reach the aim of the message that is carried out. She gave examples of communication plans that were established in 2022 for IALA and for the signing ceremony and she proposed a draft plan for the Conference 2023 as it would be a main item of communication for the upcoming 6 months.

Regarding Communications development in 2023, the communication officer proposed a number of ideas that would need to be considered by the secretariat, and particularly in regard to the finalization of the communication strategy, the possible audit of IALA's image amongst members and the creation of a new newsletter, shorter and differently targeted from the e-Bulletin. The notion of copywriting was to be explored and if possible, included in IALA's communication when appropriate.

The Secretary-General added that the secretariat was always eager to receive valuable contributions from the members, whether it would be in the form of articles for the e-Bulletin or as feedback on IALA's communication.

The Council noted the information provided.

17. ANY OTHER BUSINESS

Input papers C76-17.1 and 76-17.2 refer.

The Deputy Secretary-General explained that, at C75, the Secretary-General provided a summary of action taken by the Secretariat prior to C75. Input paper C76-17.1 provides updates further actions taken by the Secretariate and the World-Wide Academy.

The Deputy Secretary-General explained further that when the World-Wide Academy made contact with our National Member in Ukraine, the State Hydrographic Service of Ukraine (SHSU), it became clear that they already were negotiating assistance offered by the UKHO as well as two of our industrial members, MSM from Spain and SABIK from Finland. However, in some cases the communication lines were broken and progress had stopped. Trough the intervention of the Academy, communication lines were re-established, and it was possible to progress these projects.

The SHSU and the Academy agreed to establish weekly dialogue meetings to discuss progress and possible new projects, should opportunities arise. This arrangement will be continued for the foreseeable future.

In summary, the Academy has undertaken a facilitating role, helping donors to better understand the needs of Ukraine as reassuring and informing the beneficiaries in Ukraine on the status of aid projects stemming from our members and other organizations with which IALA may have good relations.

The Deputy Secretary-General requested the Council to note the progress made with assisting Ukraine in their times of difficulty and encouraged Council members to inform the Academy of any ongoing or planned safety of navigation related assistance being rendered to Ukraine.

The Deputy Secretary-General continued by introducing input paper 76-17.2 which is the Terms of Reference for the IALA Disaster Recovery Fund.

At C75, the Secretariat undertook, as an action item, to consider, with the WWA Board, how the National member of Ukraine could be best assisted and start the development of appropriate Terms of Reference (TOR) for the Disaster Recovery Fund, for consideration by the LAP and Council 76. This work on the TOR has been done and has been agreed by the WWA Board and the LAP.

The Deputy Secretary-General requested that the council approve the Terms of Reference.

Singapore commended the efforts of IALA and the World-Wide Academy in supporting the State Hydrographic Service of Ukraine. Singapore highlighted the Academy's efforts in helping donors understand the needs of Ukraine and in facilitating the delivery of aid projects to Ukraine. Singapore also commended the World-Wide Academy for establishing and administering the Disaster Recovery Fund. To this end, Singapore offered to make an in-kind contribution by donating a navigational buoy to Ukraine and hoped that this, together with contributions from fellow National members, would play a part in supporting the restoration of navigational safety for vessels plying the Black Sea and the Sea of Azov. In addition, Singapore would like to encourage National members including the State Hydrographic Service of Ukraine, to participate in capacity-building programs such as those jointly organised by Singapore and the Academy. Singapore stands ready to provide further assistance to the State Hydrographic Service of Ukraine under its sponsorship to the World-Wide Academy.

The Council noted the information provided and approved the Terms of Reference for the IALA Disaster Recovery Fund.

Action item 18

Council members are encouraged to inform the World-Wide Academy of any ongoing or planned safety of navigation related assistance being rendered to Ukraine.

18. DATES AND PLACES FOR NEXT MEETINGS

The Council approved the following tentative dates and venues for the following sessions:

- Session 77 & 78: 28 May & 3 June 2023 Rio de Janeiro, Brazil.
- Session 79: 11-15 December 2023, IALA Headquarters.

ANNEX A – AGENDA FOR THE MEETING

APPROVED AGENDA

ITEM		ACTION REQUESTED
1.	PRESIDENT’S OPENING REMARKS	Note
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 75th 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	Current Drivers and Trends	
8.1.1	Note on the Strategic Vision and current drivers and trends	
8.1.1.1	Strategic Vision	
8.1.1.2	Current Drivers and Trends	
8.2	Policy Advisory Panel	Approve
8.2.1	Report of PAP47	Approve
8.2.2	Report of PAP48	Note
8.3	Change of status	Note
8.3.1	Status on signatures and ratifications	
8.3.2	Status on the transition arrangements	
		Note
		Note
9.	FINANCE AND AUDIT COMMITTEE REPORT	
9.1	Projected result and budget monitoring statement	Note
9.2	Budget for 2023	Approve
9.3	Outline budget 2024-2026	Note

ITEM		ACTION REQUESTED
9.4	Membership situation status	Note
10.	TECHNICAL ACTIVITIES	
10.1	Legal Advisory Panel	
10.1.1	Report of LAP24	Note
10.1.2	Note on the Basic Documents	
10.1.2.1	Basic Documents	Approve
10.1.3	IALA Risk Register	Note
10.2	Committee work organisation	
10.2.1	Committee work summary	Note
10.2.2	Committee work programme 2018-2023	Approve
10.2.3	Committee work programme 2023-2027	Note
10.2.4	Committee meetings and events dates for 2023	Note
10.3	ARM	
10.3.1	ARM16 summary report	Note
10.3.2	Revised R1001 Ed 2.0 MBS	Approve
10.3.3	New draft recommendation on cyber security for the IALA domain	Approve
10.3.4	Revised G1105 Ed 2.0 shore-side portrayal ensuring harmonization with e-Navigation related information	Approve
10.3.5	Revised G1159 Ed 2.0 ship reporting from shore based perspective	Approve
10.3.6	Revised G1138 Ed 2.0 the use of the simplified IALA risk assessment method (SIRA)	Approve
10.3.7	New draft guideline on the marking of bridges and other structures over navigable waters	Approve
10.3.8	New draft guideline on guidance on marine aids to navigation (AtoN) awareness and training for mariners	Approve
10.3.9	Workshop proposal on the second joint IHO /IALA workshop on S-100/200	Approve
10.4	ENG	
10.4.1	ENG16 summary report	Note
10.4.2	Revised R0203 Ed2.0 definition of marine signal lights terms and measurement	Approve
10.4.3	New draft guideline on radar reflectors on marine aids to navigation	Approve
10.4.4	New draft guideline on AtoN equipment and structures exposed to extreme environmental conditions	Approve
10.5	VTS	
10.5.1	VTS53 summary report	Note/Approve
10.5.2	Revised R0125 Ed 4.0 VTS portrayal	Approve
10.5.3	Revised R0128 Ed 5.0 VTS systems and equipment	Approve
		Approve

ITEM		ACTION REQUESTED
10.5.4	Revised G1130 Ed 2.0 Technical aspects of information exchange between VTS and allied or other services	
10.5.5	Revised G1111 Ed 2.0 Establishing functional and performance requirements for VTS systems and equipment	Approve
10.5.6	New draft G1111-1 Ed 1.0 Producing requirements for the core VTS system	Approve
10.5.7	New draft G1111-2 Ed 1.0 Producing requirements for voice communication	Approve
10.5.8	New draft G1111-3 Ed 1.0 Producing requirements for radar	
10.5.9	New draft G1111-4 Ed 1.0 Producing requirements for AIS	Approve
10.5.10	New draft G1111-5 Ed 1.0 Producing requirements for environment monitoring sensors	Approve
10.5.11	New draft G1111-6 Ed 1.0 Producing requirements for elctro-optical systems	Approve
10.5.12	New draft G1111-7 Ed 1.0 Producing requirements for radio detection finders	Approve
10.5.13	New draft G1111-8 Ed 1.0 Producing requirements for long range sensors	Approve
10.5.14	New draft G1111-9 Ed 1.0 Framework for acceptance of VTS systems	Approve
10.5.15	New draft guideline on How to promote safety culture in VTS	
10.5.16	New draft guideline on Portrayal of VTS information	Approve
10.5.17	Revised C0103-1 Ed 3.0 VTSO	
10.5.18	Revised C0103-3 Ed 3.0 On-the-Job Training	Approve
10.5.19	Input on implication of MASS from a VTS perspective	
10.5.19.1	Implication of MASS from a VTS perspective	Approve
10.5.20	Input on future VTS	Approve
10.5.20.1	Future VTS	Approve Note Note Note Note
10.6	ENAV	
10.6.1	ENAV30 summary report	Note/Approve
10.6.2	Revised G1157 Ed 2.0 Web service based S-100 data exchange	Approve
10.6.3	Revised G1107 Ed 3.0 Planning and reporting of testbeds in the maritime domain	Approve
10.6.4	Revised G1117 Ed 3.0 VHF data exchange system (VDES) overview	Approve
10.6.5	New draft guideline on An introduction to artificial intelligence from an IALA perspective	Approve
10.6.6	New draft guideline on The internet of things	
10.6.7	Proposal on withdrawal of G1139	Approve Approve
10.7	S-200 development	
10.7.1	Committees work on S-200	Note
10.7.1.1	IALA S-245 product specification	Approve
10.8	Digital@Sea	
10.8.1	Digital@Sea conferences	Note
10.9	IALA Manuals and Navguide	

ITEM		ACTION REQUESTED
10.9.1 Manuals		Note
11. WORLD-WIDE ACADEMY		
11.1 Progress report and future actions		
11.1.1 WWA Progress Report		Note
11.2 WWA Risk Register		
11.2.1 WWA Risk Register		Note
12. INTERNATIONAL		
12.1 RTCM		
12.1.1 Liaison note to RTCM on SC-104 2.X		Approve
12.2 IMO		
NCSR 10		
12.2.1 Input paper on amendments to IMSAS manual relating to VTS		Note
12.2.1.1 amendments to IMSAS manual relating to VTS		
12.2.2 Harmonisation of identifiers using maritime resource names (MRN)		Approve
12.2.3 New revision of IALA G1117 VHF data exchange system (VDES) overview		Approve
12.2.4 Proposal on the new descriptions on AtoN and VTS		Approve
MSC 107		Approve
12.2.5 Input for a circular letter on tools to aid risk assessment		
12.2.6 Proposal for a new output minimum performance standard for dual frequency multi-constellation SBAS		Approve
Council 128		Approve
12.2.7 The transition of the e-Navigation underway to Digital@Sea initiative		
12.3 IMO ITU EG 18		Note
12.3.1 IALA workshop on the development of IALA plan for future digital maritime communication infrastructure		
12.3.2 Proposal on WRC-23 agenda item 10 regarding VDES R-Mode		Note
12.4 IEC TC 80		
12.4.1 New revision of IALA G1117 VHF data exchange system (VDES) overview		Note
12.5 ITU WP5B		
12.5.1 New revision of IALA G1117 VHF data exchange system (VDES) overview		Approve
12.6 IHO		
12.6.1 Liaison note to IHO NIPWG on S-125		
12.6.1.1 S-125 Ed 0.0.3		Approve

ITEM		ACTION REQUESTED
		Note Approve
13. IMC		
13.1	Report from the IMC representative	Note
14. CONFERENCES, SYMPOSIA, AND OTHER EVENTS		
14.1	2023 – 20th Conference – Brazil	
14.2	General Assembly 2023	Note
14.2.1	Preparations	Note
14.2.2	Voting system presentation	
14.2.3	Revision of the Standards	
14.2.3.1	Revised Standard 1010 Ed2.0	Approve
14.2.3.2	Revised Standard 1020 Ed2.0	Approve
14.2.3.3	Revised Standard 1030 Ed2.0	Approve
14.2.3.4	Revised Standard 1040 Ed2.0	Approve
14.2.3.5	Revised Standard 1050 Ed2.0	Approve
14.2.3.6	Revised Standard 1060 Ed2.0	Approve
14.2.3.7	Revised Standard 1070 Ed2.0	Approve
14.2.4	Maritime Buoyage System	Approve
14.3	2025 – 15th Symposium - Singapore	Note
14.4	2027 – 21st Conference – India	Note
14.5	World Marine Aids to Navigation Day	
14.5.1	WATON Day 2023	Note
14.6	Heritage Lighthouse of the Year	
14.6.1	Heritage Lighthouse of the Year 2023	Determine
15. MEMBERSHIP		
15.1	Applications for Membership	
15.1.1	Proposal for honorary membership	Approve
15.2	Resignations and changes in Membership	Note
15.3	Terminations and updates of Membership	Decide
16. COMMUNICATION		
16.1	Updated on communication matters	Note
17. ANY OTHER BUSINESS		Note



ITEM		ACTION REQUESTED
17.1	Status on assistance to Ukraine	Approve
17.2	Terms of Reference for the IALA Disaster Recovery Fund	
18.	DATES AND VENUES FOR NEXT MEETINGS	Note

ANNEX B – LIST OF PARTICIPANTS

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ANNEX C – ACTION ITEMS

Action item 1

The Secretariat to send the Strategic Vision to the 14th General Assembly.

Action item 2

The Secretariat to upload the presentations from LAP24 to the website.

Action item 3

The Secretariat to send the amendment to the Constitution to the 14th General Assembly.

Action item 4

The Secretariat to send the paper Implication of MASS from a VTS perspective to PAP for further consideration.

Action item 5

The Secretariat to send the paper Future VTS to PAP for consideration.

Action item 6

The Secretariat forwards the approved liaison notes on SC-104 2.X to RTCM SC104.

Action item 7

The Secretariat forwards the approved document on amendments to IMO Member State Audit Scheme related to the revised resolution A.1158(32) Guidelines on vessel traffic services to IMO NCSR10.

Action item 8

The Secretariat forwards the approved document on harmonization of identifiers using Maritime Resource Name to IMO NCSR10.

Action item 9

The Secretariat forwards the approved document on Revision of G1117 VHF data exchange system (VDES) overview to IMO NCSR10.

Action item 10

The Secretariat forwards the approved document on Proposal on the new description on AtoN and VTS to IMO NCSR10.

Action item 11

The Secretariat forwards the approved document on Tools to aid risk assessment to IMO for a circular letter.

Action item 12

The Secretariat inform the main submitter European Commission and other cosponsors to include IALA as a cosponsor of the Proposal for a new output to develop minimum Performance Standards for Dual Frequency Multi-Constellation SBAS and Advanced Receiver Autonomous Integrity Monitoring in shipborne radionavigation receivers.

Action item 13

The Secretariat forwards the approved document on Revision of G1117 VHF data exchange system to IEC TC80.

Action item 14

The Secretariat forwards the approved document on Revision of G1117 VHF data exchange system to ITU WP5B.

Action item 15

The Secretariat forwards the approved document on S-125 to IHO NIPWG.

Action item 16

The Secretariat to prepare a procedure and list of requirements for the electronic voting system.

Action item 17

The Secretariat to send the approved draft Standards S1010 to S1070 to the 14th General Assembly.

Action item 18

Council members are encouraged to inform the World-Wide Academy of any ongoing or planned safety of navigation related assistance being rendered to Ukraine.

ANNEX D – RECORD OF DECISIONS OF THE 76th SESSION OF THE IALA COUNCIL

The Council approve the draft Strategic Vision with a view to obtain General Assembly agreement and approve the draft current Drivers and Trends document.

The Council approved the budget for 2023.

The Council approved the Basic Documents Ed7.0.

The Council approved the Committee work programme for 2018-2023.

The Council approved the revised R1001 Ed2.0

The Council approved the new recommendation on cyber security for the IALA domain.

The Council approved the revised G1105 Ed2.0 Shore-side portrayal ensuring harmonization with e-navigation related information.

The Council approved the Revised G1159 Ed2.0 Ship reporting from shore-based perspective.

The Council approved the Revised G1138 Ed2.0 the use of simplified IALA risk assessment method (SIRA).

The Council approved the new guideline on the marking of bridges and other structures over navigable waters.

The Council approved the new guideline on guidance on marine AtoN awareness and training for mariners.

The Council approved the proposal on the second joint IHO/IALA workshop on S-100/200 to be held in 2024 in Annapolis, USA.

The Council approved the revised R0203 Ed2.0 definition of marine signal lights terms and measurement.

The Council approved the new guideline on radar reflectors on marine aids to navigation.

The Council approved the new guideline on AtoN equipment and structures exposed to extreme environmental conditions.

The Council approved the proposal of VTS committee to withdraw R0120, Ed2.1, Vessel Traffic Services in inland waters and R1014, Ed1.1, Portrayal of VTS Information and Data.

The Council approved the revised R0125 Ed4.0 VTS portrayal.

The Council approved the revised R0128 Ed5.0 VTS systems and equipment

The Council approved the revised G1130 Ed2.0 Technical aspects of information exchange between VTS and allied or other services.

The Council approved the revised G1111 Ed2.0 Establishing functional and performance requirements for VTS systems and equipment.

The Council approved the new G1111-1 Ed1.0 Producing requirements for the core VTS system.

The Council approved the new G1111-2 Ed1.0 Producing requirements for voice communication.

The Council approved the new G1111-3 Ed1.0 Producing requirements for radars.

The Council approved the new G1111-4 Ed1.0 Producing requirements for AIS.

The Council approved the new G1111-5 Ed1.0 Producing requirements for environment monitoring sensors.

The Council approved the new G1111-6 Ed1.0 Producing requirements for electro-optical systems.

The Council approved the new G1111-7 Ed1.0 Producing requirements for radio detection finders.

The Council approved the new G1111-8 Ed1.0 Producing requirements for long range sensors.

The Council approved the new G1111-9 Ed1.0 Framework for acceptance of VTS systems.

The Council approved the new guideline on How to promote safety culture in VTS.

The Council approved the new guideline on Portrayal of VTS information.

The Council approved the revised C0103-1 Ed3.0 VTSO.

The Council approved the revised C0103-1 Ed3.0 On the job training.

The Council approved revised G1157 Ed2.0 Web service based S-100 data exchange.

The Council approved revised G1107 Ed3.0 Planning and reporting of testbeds in the maritime domain.

The Council approved revised G1117 Ed3.0 VHF data exchange (VDES) overview.

The Council approved the new guideline on An introduction to artificial intelligence.

The council approved the new guideline on An introduction to The Internet of Things from an IALA perspective.

The Council approved the withdrawal of G1139 Ed3.0 Technical specification of VHF data exchange system (VDES).

The Council approved S-245 eLoran ASF data product specification Ed1.0.

The Council approved the liaison note to be sent to RTCM SC104.

The Council approved the amendments to IMSAS manual relating to VTS

The council approved the harmonization of identifiers using Maritime Resource Name.

The council approved the revision of G1117 VHF data exchange system (VDES) overview.

The council approved the proposal on the new description on AtoN and VTS.

The Council approved the circular letter on tools to aid risk assessment

The Council approved the proposal for a new output minimum performance standard for dual frequency multi-constellation SBAS.

The Council approved the revision of G1117 VHF data exchange system (VDES) overview for IEC TC80 and for ITUWP5B.

The Council approved the liaison note to IHO NIPWIG on S-125.

The Council approved the revised Standards and MBS.

The Council approved Cap Spartel lighthouse, Morocco, as the Heritage Lighthouse of the year 2023.

The Council approved Industrial membership for:

- Chittagong Dry Dock Limited, *Bangladesh*
- Dockyard and Engineering Works Limited, *Bangladesh*
- Umi San Serviços de Apoio a Navegação e Engenharia Ltda, *Brazil*
- Salvage Certificação, Projetos e Serviços Offshore, *Brazil*
- Plovput d.o.o - Production, design, maintenance and development, *Croatia*
- General Dynamics Mission Systems Italy-GMDS, *Italy*
- Daehan Engineering Co., Ltd, *Republic of Korea*
- Quantum Solutions, *Republic of Korea*
- Oceans Works Pacific Limited, *Papua New Guinea*
- Malsa Equipos Industriales SA de CV, *Mexico*
- Marine Services Co.; Ltd, *Saudi Arabia*
- Qingdao Geetsatcom Technology Co.,Ltd , *The People's Republic of China (from last Council)*
- Nsonesoft Co.Ltd, *Republic of Korea (from last Council)*

The Council approved Associate membership for:

- **Companhia Docas Do Rio de Janeiro, Brazil**
- **Albatroz Apoio Marítimo Portuário Ltda, Brazil**
- **Italian Maritime Academy Technologies S.r.l, Italy**
- **Korea Center for International Maritime Safety Cooperation, Republic of Korea**

The Council approved honorary membership for Commodore Barry Goldman.

The Council decided to terminate industrial membership for:

- **Chaohu Qunli Marine Anchor Chain Co. Ltd, The People's Republic of China**
- **Shandong Buoy & Pipe Industry Co. Ltd, The People's Republic of China**
- **Qingdao Hotech Automated, The People's Republic of China**
- **Pesona Global Teknologi, Pt, Indonesia**
- **Harmoz Berkeh Ertebat Electronic Gil, Iran**
- **Navalec S.A de C.V, Mexico**
- **AD Engineering Limited, Papua New Guinea**
- **Maximum Protective Service Intl N.V, Suriname**

And to terminate associate membership for:

- **Electronics and Telecommunication Research Institute, Republic of Korea**
- **Marine Transport Institute, Democratic People's Republic of Korea**

The Council noted the information provided and approved the Terms of Reference for the IALA Disaster Recovery Fund.

The Council approved the following tentative dates and venues for the following sessions:

- **Session 77&78: 28 May & 3 June 2023 Rio de Janeiro, Brazil.**
- **Session 79: 11-15 December 2023, IALA Headquarters.**



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