



# REPORT OF THE 69<sup>TH</sup> SESSION OF THE IALA COUNCIL

*(18-21 June 2019, Rotterdam, The Netherlands)*



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## OPENING

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The 69<sup>th</sup> session of the IALA Council was held onboard *SS Rotterdam* in Rotterdam, The Netherlands. The meeting was opened at 10h00 on 18 June 2019 by Ms Young-shin KIM, IALA President.

### 1. PRESIDENT'S OPENING REMARKS

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The IALA President thanked warmly the participants and welcomed the delegates, especially those who were in attendance for the first time as Councillors for Canada (André CHATEAUVERT), Chile (Vice Admiral Ignacio MARDONES), China (Mr CAO Desheng), India (Mr Ellapan MURTHY) and the USA (Cdr. Keith ROPELLA). She also welcomed all new Councillors' representatives (Rear Admiral Tsuguo AWAI of Japan and Mr Mostafa CHAFI of Morocco).

She warmly thanked the Councillor for The Netherlands for her kind invitation and stated that she was looking forward to a fruitful meeting.

### 2. APOLOGIES FOR ABSENCE

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The Councillors for Denmark, Japan, Morocco and Singapore had been prevented from attending but had sent substitutes.

A list of participants in the meeting is at Annex B.

### 3. APPROVAL OF THE AGENDA

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The Agenda (input paper C69-3.1) was approved and is at Annex A.

### 4. VACANT POSITION WITHIN COUNCIL

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There was no vacant position within the Council.

### 5. REPORT OF THE 66<sup>th</sup> AND 67<sup>th</sup> SESSIONS

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#### 5.1 Matters arising from the sessions

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Events and Document Co-ordinator Marie-Hélène Grillet reported that one action item from the 68<sup>th</sup> session was outstanding. Explanations were given in input paper C69-8.2. All other actions were completed.

**The Council noted the information provided.**

### 6. REPORT BY THE SECRETARY-GENERAL

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Secretary-General Francis Zachariae presented his report to the Council (input paper C69-6 refers).

He welcomed all participants, especially the new Councillors, and thanked the Councillor for The Netherlands and her team for hosting and organizing the event in a beautiful and very maritime environment.

He said that the period since the last Council meeting had been very busy and very productive. The activity and workload continued to grow, and so did the membership. Although this is a difficult task, the Secretariat had successfully collected outstanding contributions, but there were still members with outstanding balances and this would be discussed under agenda 9 and 15.

With the growing membership the Committee meetings attract more and more participants. The change in Committee structure discussed at the last Council meeting had been a success. The Secretariat made a survey

among the participants and the results were helpful to identify administrative and minor concerns, but no negative comments on the Committee structure itself were made. The analysis of participants identified that each of the Committees had more balanced numbers, which will help the meetings being more efficient.

On several occasions the Council and Finance and Audit Committee had noted that it was important to increase the capacity of the Secretariat. This major reorganization of IALA that he had reported on at the last meeting of the Council was finalized successfully. From 1<sup>st</sup> January Omar Frits Eriksson had been Deputy Secretary-General and Dean of the World-Wide Academy, which already proved to be an excellent arrangement. Two full time staff members, Kevin Gregory and Tom Southall were working side by side as Education and Development Manager of the WWA and Secretary to the four Committees. The assignments are flexible, and they work together supporting the Committees during Committee seasons, and for the Academy outside these periods.

With the latest reorganization and employment of Minsu Jeon as Technical Operation Manager in 2017 and Isabelle Bracq as Accounting and Administrative assistant since November 2018, the Secretary-General considered that the recommendations of the secretariat review, initiated by his predecessor Gary Prosser, had been implemented.

The World-Wide Academy continued to develop under the leadership of its Dean and its Board, chaired by Professor Gug. Following a successful execution of its 2018 Action plan, the Academy was on schedule with its 2019 Action Plan, which included a number of need assessment missions and follow up review missions to developing countries, and several Level 1 Aids to Navigation Manager courses, which are expected to be delivered in English, French, Spanish, and possibly in Arabic.

There was a successful transfer of tasks from the retired Vice Dean Stephen Bennet to Kevin Gregory, Education and Development Manager, while Gerardine Delanoye was devoted to the Capacity Building activity of the Academy. The integration of the Academy and the rest of the Secretariat continues to be strengthened through close cooperation between Kevin Gregory and Tom Southall, the new Committee Secretary, and Omar Frits Eriksson leading both the Academy and the Technical Operations Department.

Sponsorship, both direct and in-kind, is vital for the Academy, as is the support of the Committees. The three-year rolling agreement with IFAN, the primary sponsor of the Academy, continued to work well. Malaysia has joined as a major sponsor in 2018, followed by Singapore in 2019. There were five-year sponsorship commitments with the latter two. Korea had also decided to continue its important sponsorship and contributions from France, UK, JANA and others were also very much appreciated. Funding for the Academy, however, was constantly sought and the Secretary-General urged the members to monitor sponsorship opportunities in their countries and regions.

Turning to the Change of Status Project, he reported on the successful Pre-Diplomatic Conference held in March in Istanbul. The final Diplomatic Conference is scheduled in Kuala Lumpur in February 2020. He expressed his gratitude to the Governments and National members of France, Morocco, Turkey and Malaysia for their strong support in the planning and execution of this important and complicated project.

After the very successful Conference last year in Korea IALA was busy preparing the ENAV/VTS Symposium planned for 2020 in Rotterdam and the 20<sup>th</sup> Conference in Rio de Janeiro in May/June 2022. The Symposium programme was ready and the call for abstracts generated great interest. The Industrial Members Committee held a successful meeting in Rio de Janeiro 28 April to 2 May and inspected all possible facilities to ensure a successful Exhibition and Industrial members evening.

An important decision was taken at the General Assembly last year with the Resolution A13-04 establishing a World Marine Aids to Navigation Day, to be celebrated on 1st July each year – the date of the creation of IALA. The planning for the first day was progressing well with a main event in Palma de Mallorca in Spain. Many other parallel events would take place around the world in Vanuatu, Fiji, Japan, Argentina, Denmark and Australia and possibly many other places.

The Committees, which all had a very productive second meeting, generated a number of input papers to this Council session and the Secretary-General highlighted the work done by the VTS Committee on the revision of the IMO Resolution A.857(20) – Guidelines for Vessel Traffic Services. As part of the VTS Strategy Paper, approved by Council at its 60th session in May 2015, the VTS Committee had prepared a submission to the IMO for an unplanned output proposal to review resolution A.857(20). The output was agreed by MSC in 2018 and IALA was



tasked to produce a draft Resolution for consideration in 2020. This work is extremely important for the future of VTS and demonstrates that IALA is the International Organization dealing with all VTS matters.

**The Secretary-General's report was noted.**

## 7. NATIONAL MATTERS

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All participants reported on national matters of particular interest to the Council.

The following indicates the projects, or matters of concern, that are common to several countries. Individual issues are not reported.

- The future of DGNSS comes on top of national concerns. This is mainly related to the developments in SBAS and the obsolescence of the current equipment. Many countries however plan to retain the infrastructures for use with other systems.
- Modernisation and expansion of VTS coverage is also one of the major interests.
- Cyber-security remains a concern in the context of digitisation of many services.

**The reports were noted.** The presentations made are included in 'Presentations' in the relevant Council session documents on the Council Web page.

More detailed information provided in writing by some Councillors appear as Annex C.

## 8. STRATEGY AND POLICY

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### 8.1. Council Strategy Drafting Group

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Councillor for Germany Christian Forst, Chair of the Council Strategy Drafting Group, reported on the Strategy Workshop held on Monday 17 June.

The workshop enjoyed the attendance of more than three fourth of the Council members. The purpose of the workshop was to create a joint picture of possible future trends and global maritime developments, which are most likely to have an impact on IALA and how these may affect its priorities, structure and activities.

The workshop identified several important trends and developments, such as:

- the development of autonomous, automated and/or unmanned vessels;
- massive digitalisation, big data and associated risks such as cyber-security and information overload;
- the need for connectivity and interoperability of systems;
- the climate change and other environmental challenges;
- global economic developments and developments in trade patterns;
- the competition for utilizing the sea space and marine resources (MSP); and
- the demand for efficiency in the transport chain.

The workshop also identified several possible areas that IALA could prioritize in order to respond to these developments, including a more holistic approach to waterway planning and management, encompassing the whole transport chain and interfaces between the different transport modes, the future role of VTS, further development of the IALA risk management toolbox, as well as increased capacity building and training. The impact on IALA could include a more frequent revision of the Committee structure, maintaining and even improving the flexibility and agility of the organization to respond to changes in the needs of the membership.

The key content and conclusions from the workshop will be described in a strategic white-paper. Such a paper can serve as guidance as to how IALA should reach its strategic goals with a long-term horizon and perspective. It is envisaged that the outcome of the workshop will be used to discuss the future development, structure, focus areas and activities of IALA.

The Chair concluded his report by thanking the Councillors present, the facilitator and the Secretariat.

**The report was noted.**

**Action item 1:**

*The Secretariat to develop a draft white Strategy paper for discussion during Council 70.*

## **8.2. Position on the Development of AtoN Services**

Input paper C69-8.2 refers.

Deputy Secretary-General Omar Frits Eriksson recalled that Council 68 had considered the draft revised Position on the Development of AtoN Services document and requested that the document should be reviewed once again by PAP and the Committees with a view to further clarifying the IALA position on the need for GNSS backup arrangements. At the request of PAP37 the Secretariat forwarded the document to all Committees in order to harvest comments for further consideration by PAP.

The Committees returned numerous comments on various parts of the document. After careful consideration, the Secretariat believed that producing a consolidated revised document would require substantial and careful work, which would not allow PAP enough time to review it before the deadline for inputs to this 69<sup>th</sup> Council session.

The Secretariat therefore suggested forwarding the consolidated document to Council 70 in December 2019 after it has been reviewed by PAP38 in September.

**Action item 2:**

*The Secretariat to produce a consolidated Position paper for discussion at Council 70.*

**The Council noted the information and agreed the proposed procedure.**

### **8.2.1. Future of DGNSS services**

Input paper C69-8.2.1 refers.

Deputy Secretary-General Omar Frits Eriksson explained that many authorities around the world were facing the need to refurbish their DGNSS/DGPS stations, which are becoming old and worn down. The cost of maintaining the equipment at this phase of the service life was high and the cost of refurbishing these systems had to be justified. The General Lighthouse Authorities of the UK and Ireland approached the Secretariat, requesting an informal discussion on the future of the DGNSS or DGPS system as an AtoN.

Mr Martin Bransby of the GLA gave a detailed presentation on the results of a user consultation and options for the future<sup>1</sup>, taking account of the development of SBAS. It was suggested holding a workshop, coordinated by the ARM and ENG Committees, preferably in 2019.

The presentation generated a lively discussion in which 13 Councillors took part, highlighting the following:

- The newly developed satellite systems give a good accuracy and do not need augmentation services;
- Most DGNSS stations are nearing the end of their service life and consideration must be given to the future of the infrastructures, which could be used for other purposes, for example R-Mode or future potential services.
- DGNSS services in some countries have already been terminated or termination is under consideration due to the change of users' needs.

The Councillor for Finland added the following comments:

- Finland had some concerns related to the European Geostationary Navigation Overlay Service (EGNOS), the Space Based Augmentation System (SBAS) available in Europe:

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<sup>1</sup> All presentations made during the Council meeting are available from the Council page of the Website under Agenda item 23 – Presentations

- Finland is located in the northeast corner of the EGNOS service area and it is not sure that all Finish waterways are covered by EGNOS service;
  - If EGNOS service does not cover the whole Baltic Sea there is probably still a need to have some other augmentation service operating in the area;
  - National measurement campaigns are planned (2019-2020) to provide more information on the availability of EGNOS service in Finnish waterways.
- There is in any case a need to have a relatively long transitional period if there would be changes in the currently provided augmentation services (to allow upgrades in vessel equipment).

The Councillor for Japan stated that public consultations were carried out prior to the termination of DGPS services and no objections were raised by maritime stakeholders in Japan.

There was general support for holding a Workshop and the Secretariat was tasked to develop a Workshop proposal, in cooperation with the ARM and ENG Committees, for out-of-session Council approval.

#### Action item 3:

*The Secretariat to develop a Workshop proposal, in cooperation with the ARM and ENG Committees, for out-of-session Council approval.*

### 8.3. Policy Advisory Panel

#### 8.3.1. Report of PAP37

Deputy Secretary-General Omar Frits introduced input paper C69-8.3 and reported that, among other things, there were considerable discussions on how to organize the development of S-100 and S-200 Product Specifications, both in principle and in practice. It was decided to form a small task force which will specialize in this kind of work and it is believed that this will speed up the process and enhance the quality of the end result.

Consideration was also given to the update and release of the IALA NAVGUIDE, the VTS Manual as well as IALA Questionnaires. There was appetite in PAP for electronic versions of both the NAVGUIDE and the VTS Manual which enables a more dynamic and frequent updates of these documents.

**The Council noted the report of PAP37.**

### 8.4. IALA Change of Status

#### 8.4.1. 3<sup>rd</sup> Preparatory Diplomatic Conference

Input papers C69-8.4.1 and C69-8.4.1.1 refer.

Secretary-General Francis Zachariae recalled that the fourth Extraordinary Legal Advisory Panel meeting, which gathered National members to work on the draft Convention text for IALA as an IGO, had been held at IALA Headquarters on 30<sup>th</sup> and 31<sup>st</sup> October 2018. The draft Convention text submitted to the meeting had been revised by the Secretariat to reflect comments received from members and governments after the second Preparatory Diplomatic Conference held in Marrakesh, Kingdom of Morocco in February 2018. The Extraordinary LAP meeting considered the legal issues of the revised text, commented and further amended it and identified matters requiring discussion at diplomatic level.

Due to the decision made at the second Preparatory Diplomatic Conference the draft General Regulations were not considered as they will be an issue for the General Assembly of the new Organization, when established. There was a great interest in the General Regulations and the Secretariat has prepared a quite mature draft in order to be ready for this future task.

The third Preparatory Diplomatic Conference was held in Istanbul, Turkey, from 12 to 14 March 2019. The Conference considered the draft Convention article by article. Most articles were agreed but a few will need to be decided at the Diplomatic Conference.

At the end of the Preparatory Diplomatic Conference the draft text was considered mature enough to be submitted to a final Diplomatic Conference, after which the Convention would open for signature, probably in Paris. The final Diplomatic Conference is tentatively scheduled in Kuala Lumpur 25th – 28th February 2020. Invitation from the Minister of Foreign Affairs of Malaysia, venue and exact dates will be issued shortly and before the summer break. The Secretariat was busy studying the process for a Diplomatic Conference, the Final Acts and the Conference procedures.

A number of delegates requested to be given the opportunity to carefully review the minutes of the Preparatory Diplomatic Conference in order to avoid any misunderstanding. A draft detailed report was produced by the Secretariat and forwarded to all delegates. Comments had been invited and were expected to be received until the end of June. A final report was about to be issued in the light of the comments received.

**The Council noted the information provided.**

#### **8.4.2. Diplomatic Conference, February 2020**

The Councillor for Malaysia reported that he was getting the internal approval process finalized before the official invitation is issued by their Ministry of Foreign Affairs. The tentative dates are 25<sup>th</sup> to 28<sup>th</sup> February 2020.

**The Council noted this information.**

#### **8.4.3. Draft submission to IMO Assembly**

Input paper C69-8.4.3 refers.

Secretary General Francis Zachariae introduced the draft submission to IMO Assembly with information on the Change of Status project. He added that IALA had informed the IMO Assembly in the same way in 2017. It was a very late paper and he suggested asking comments for the next two weeks and then send a final draft for out-of-session Council approval.

The Councillor for Japan stated that it was important to remember the rule that any paper for approval should be posted on the IALA document page four weeks before the Council in order to allow the members to consider it. Considering that the draft paper was related to the diplomatic protocol and sent to the Councillors just before the meeting, the Councillor for Japan proposed to suspend the decision on this paper.

The Councillor for Singapore suggested waiting until the final report of the 3<sup>rd</sup> Preparatory Diplomatic Conference is ready, ensure consistency between both documents and then send the proposed submission to IMO Assembly to the Council for approval.

**The proposal made by the Councillor for Singapore was agreed and the Secretariat was tasked to finalize the draft submission to the IMO Assembly after the final report of the 3rd Preparatory Diplomatic Conference is ready, ensuring consistency between both documents, and send the proposed submission to the Council for approval with a four-week deadline.**

Action item 4:

*The Secretariat to finalize the draft submission to the IMO Assembly after the final report of the 3rd Preparatory Diplomatic Conference is ready, ensuring consistency between both documents, and send the proposed submission to the Council for out-of-session approval with a four-week deadline.*

### **8.5. Legal Advisory Panel (LAP)**

#### **8.5.1. Report of LAP19**

LAP Chair Christina Schneider reported that, due to the extensive work on the IGO project, the report of LAP19 was reaching completion but could not be submitted to the Council.

She however gave a brief report on the highlights of the meetings:

- Focus on the revision of the IALA Basic Documents;
- Consideration of the draft revised IMO Resolution A.857(20) with comments forwarded to the VTS Committee for the Seminar to be held in June;
- Comments on a proposed draft guidance on maritime law for the ARM Committee and WWA;

- Consideration of the liability aspects of EGNOS being considered as an AtoN; and
- Review of the Risk Registers (IALA and WWA).

**The Council noted the information provided.**

#### **8.5.2. Updated Basic Documents**

Input papers C69-8.5.2 and C69-8.5.2.1 refers.

Secretary-General Francis Zachariae recalled that the Basic Documents are a set of rules and procedures, including the Constitution, that govern IALA. They were approved for the first time by the Council at its 62<sup>nd</sup> session in June 2016.

The document is kept under continuous monitoring by the Secretariat and the PAP, and the LAP is reviewing it at each of its meetings.

LAP19 considered the improvements and updates suggested by the Secretariat. Amendments to the General Regulations were agreed, mainly to:

- Ensure consistency throughout the document;
- Reflect changes in membership contribution recovery and rights and benefits;
- Improve procedures for the General Assembly and Council;
- Clarify the conditions for the election of the President, Vice-President and Treasurer.

The Annexes were also updated to reflect the current operation of the Council Strategy Drafting Group and the Legal Advisory Panel.

The Financial Regulations were updated according to best financial practices.

**The fourth edition of the Basic Documents was approved.**

#### **8.5.3. IALA Risk Register**

Input paper C69-8.5.3 was introduced by Secretary-General Francis Zachariae.

Ha said that the level of risk associated with the Change of Status Project was about to be changed after the successful Preparatory Diplomatic Conference in Istanbul.

**The Council had no comments on the IALA Risk Register, which was noted.**

### **8.6. World Marine Aids to Navigation Day**

#### **8.6.1. World AtoN Day 2019**

Secretary-General Francis Zachariae recalled that the Council, at its last meeting, had decided the theme of the first World Marine Aids to Navigation Day as “Marine Aids to Navigation - Successful Voyages, Sustainable Planet”. He suggested keeping the same theme for the next coming years, although it could be reviewed any time by the Council. There were no objections to this proposal.

This theme served as an umbrella to encompass the suggestions proposed by members and accommodated all aspects of each IALA Committee. Through the use of IALAs motto it reinforced the mission of IALA in the maritime arena for worldwide harmonisation of AtoN standards, the improvement of the safety and efficiency of navigation and the protection of the environment.

**The Council decided to keep “Marine Aids to Navigation - Successful Voyages, Sustainable Planet” as the theme for the WAtON Day in the coming years.**

A splendid event was to be hosted on the beautiful island of Mallorca and many parallel events would take place all around the world. He was happily surprised that so many organizations, members and countries celebrate this special day.

He added that all Councillors were invited to send materials on the events they have organized for publication on the IALA Website and Bulletin.

**Action item 5:**

*Councillors to send graphic materials on their celebrations for the 1<sup>st</sup> World AtoN Day to the Secretariat (Marie-Hélène Grillet) for publication.*

The Councillor for Spain made a presentation on the programme of the main event organised in Spain<sup>1</sup>.

The Councillor for Japan mentioned an exhibition to be held in Tokyo, inviting all Councillors to send him pictures of their most beautiful lighthouses with a brief description of each of them.

**Action item 6:**

*Councillors to send pictures of their most beautiful lighthouses to the Councillor of Japan ([jcghkokugikaihatsu1-6r9i@mlit.go.jp](mailto:jcghkokugikaihatsu1-6r9i@mlit.go.jp)).*

The President informed the Council that, as a follow-up of the Incheon Declaration, the Republic of Korea had created a trophy celebrating The Lighthouse of the Year, and the Ministry of Ocean and Fisheries of the Republic of Korea would be honoured to have it presented by the Secretary-General to France for Cordouan Lighthouse during the events planned in Palma de Mallorca.

**The Council noted the information provided, the events mentioned and the related action items.**

## **9. FINANCE AND AUDIT COMMITTEE REPORT**

IALA Treasurer Captain Ian McNaught commented the input papers related to financial matters.

### **9.1. 2018 audited financial statements**

Input papers C69-9.1 and C69-9.1.1 refer.

The negative operating result (-157k€) in the Income statement can be explained by higher operating costs due to the Conference in the Republic of Korea and the Preparatory Diplomatic Conference in Morocco; increased personnel costs due to the overlapping staff in 2018; and a higher provision for bad debts (K€243) to cover the risk of non-payment of the contributions. This provision should disappear in 2019 due to a change in the accounting method, required by new French accounting regulations.

The cash level remained at a satisfactory level at the end of the year 2018.

Reserves and fund balances were fully used by the World-Wide Academy for the execution of its Master Plan.

**The Council approved the 2018 audited financial statements.**

### **9.2. Revised budget for 2019**

Input papers C69-9.2 and C69-9.2.1 refer.

This 2019 budget was impacted by the new French accounting regulations, which were to be implemented in 2019. This change in accounting was expected to provide members with a more transparent view of the organisation's financial situation.

The most important impact was on contributions. The budget was updated with the actual number of members but reflected real payment forecasts. This resulted in:

- a decrease of 15% in the level of contributions (-K€367) to reflect a more realistic collection rate for 2019; and
- an estimated K€400 for contributions in arrears appearing on a new budget line.

The impact of these adjustments is almost zero on the overall budget of income.

With regard to expenditure Some adjustments have been made in the following areas, with no impact on the total amount:

- a 1% decrease in the personnel costs mainly due to an overestimated budget for consultants;
- an increase in the following operating costs: office stationeries, auditors fees, insurance fees and events;
- a 16% increase for IT equipment and website development; and
- a decrease in telecommunications, other professional services and travel expenses.

**The revised budget for 2019 was approved.**

### **9.3. Cash flow situation as at 31<sup>st</sup> May 2019**

Input papers C69-9.3 and C69-9.3.1 refer.

The difference between income and expenditure is positive (+K€506) and is mainly due to higher income derived from the payment of late contributions.

**The cash flow situation was noted.**

### **9.4. Annual membership contributions for 2020**

Input paper C69-9.4 refers.

In respect of the four-year budget noted by the Council in December 2018 at session 68, a 3% increase in the membership rate was proposed for the year 2020 for the National members' category only. No increase was foreseen for Industrial and Associate members over the period 2020-2022.

The following rates should be applied with effect from 1st January 2020:

National members: €16,660 (+ 3%)

Industrial members: €6,350 (no increase)

Associate members: €3,070 (no increase)

**The Council decided the membership contributions for 2020 as follows: National members: €16,660; Industrial members: €6,350; and Associate members: €3,070.**

## **10. INDUSTRIAL MEMBERS COMMITTEE**

Mr John Sugarman reported on the meeting held in Rio de Janeiro when the IMC could visit the exhibition area and tour potential venues for the Industrial Members' Evening. A survey had been made among Industrial members after the 2018 exhibition and their feedback will be taken into account when organizing the next one. The main concern reported was the distance between the exhibition area and the Conference room.

The results of the survey were as follows:

- 100% of the respondents saw significant value in obtaining copies of the technical presentations;
- 89% of the respondents found the event to be of value
- 86% of the respondents are planning to exhibit in 2022
- 83% of the respondents felt that dedicated session times for the exhibition hall was favourable
- 57% of the respondents felt that conference organisation and planning was satisfactory.

**The Council noted the information provided.**

## **11. TECHNICAL ACTIVITIES**

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



## 11.1. Committee work organisation

### 11.1.1. Committee work programme

Input paper C69-11.1.1 refers.

The General Regulations state that the Work Programme of the four Committees need to be approved by the Council. For the 2018-2022 work period, the Work Programme was approved by Council 67, and the Committees started the work based on this work programme. For this spring session of the Committees, there was no significant change proposal in the work programme.

The work status of the VTS Committee indicated that the work item “Develop guidance on VTS awareness for navigating officers” was behind schedule, due to changes made to have it more comprehensive and take account of additional comments. All other work items were progressing as expected.

The Councillor for The Netherlands suggested adding Maritime Autonomous Surface Ships (MASS) as a work item for the VTS Committee, for recommendations and guidelines to be developed.

The Councillor for China added that this should be considered at Council 70. After the results of IMO regulatory scoping exercise IALA would be able to identify gaps and address them.

The Secretary-General explained that the IMO regulatory scoping exercise was mainly a consideration of the impacts of MASS on IMO regulations.

The Councillor for Japan reported that his country is responsible for COLREG as part of the regulatory scoping exercise of IMO, taking account of the different levels of autonomy involved and their impacts on VTS.

**It was agreed that the Councillor for The Netherlands in cooperation with the Secretariat should prepare a paper on the impact(s) of MASS on VTS, for consideration by the Council Strategy Drafting Group at its next meeting.**

Action item 7:

*The Councillor for The Netherlands in cooperation with the Secretariat should prepare a paper on the impact(s) of MASS on VTS, for consideration by the Council Strategy Drafting Group at its next meeting.*

### 11.1.2. Committee structure

Input paper C69-11.1.2 refers.

The document was following up an action item from Council 68, which requested the Secretariat to consider the efficiency of the new Committee structure.

A survey was conducted that demonstrated that there were no major concerns about the new Committee structure, but a few administrative and minor concerns. After restructuring the numbers of participants seemed more balanced.

**The Council noted the information provided.**

### 11.1.3. Committee events plan

Input papers C69-11.1.3 refers.

The Councillor for Norway proposed to host the joint IHO/IALA workshop on S-100/S-200 development and portrayal in Norway in June 2020, the date will be decided in coordination with IHO in due course.

**The Committee events plan was noted.**

## 11.2. ARM

### 11.2.1. Summary report of the 9<sup>th</sup> session of the ARM Committee

Input papers C69-11.2.1 and C69-11.2.1.1 were introduced by Minsu Jeon.

**The summary report of the 9th session of the ARM Committee was noted.**



### **11.2.2. Draft revised guideline G1046 – Response Plan for the Marking of New Wrecks (Ed.2)**

Input paper C69-11.2.2 refers.

The Nairobi International Convention on the Removal of Wrecks in 2007 requires that an affected State should take all reasonable steps to ensure a wreck that constitutes a hazard is appropriately marked. As part of promulgation of updated “safety messages” concerning the dangerous wreck, the guideline emphasizes that as soon as further survey details and information concerning the wreck become available, shipping and relevant authorities should be informed immediately. The guideline also identifies the considerations and possible actions that affected States may take when responding to a requirement to mark a hazardous wreck.

**The Council approved the revised guideline G1046 – Response Plan for the Marking of New Wrecks (Ed.2).**

### **11.2.3. Draft guideline G1133 – Requirement Traceability**

Input paper C69-11.2.3 refers.

In the document, the term “Requirement traceability” is the capability to identify the originators of requirements for any given technical feature that is implemented in a technical system. Specifically, requirement traceability is the ability to describe and follow the life of a requirement as it changes over time, in both forward and backwards direction. It gives guidance to the members on how to establish requirement traceability to maximise the benefit of requirement management. It also encourages members to participate in a globally harmonised requirement management and traceability schema for use within IALA’s remit.

**The Council approved guideline G1133 – Requirement Traceability.**

### **11.2.4. Draft revised Model Course L1.3 on Risk Management**

Input paper C69-11.2.4 refers.

The Model Course was amended to include SIRA into the syllabus and update the references to other IALA publications.

**The Council approved the revised Model Course L1.3 on Risk Management.**

### **11.2.5. Proposal for a joint Workshop with IHO on S-100/S-200 Development and Portrayal**

Input paper 11.2.5 refers.

The workshop seeks to gain a common understanding between organizations regarding the concepts and use of the S-100 framework to advance the development and delivery of e-Navigation maritime services and consider the current efforts with the goal of harmonization between the organizations. The date of the event had not been confirmed. About 50 participants were expected and there was no host country identified for the event.

Concerns were expressed from the floor about the many events already planned for 2020, although it was not desirable to postpone the Workshop until 2021.

Technical Operations Minsu Jeon answered that the date had to be agreed with IHO as well and he would approach them with a view to suggesting a Workshop held in connection with the 2020 ENAV-VTS Symposium.

#### **Action item 8:**

*The Secretariat (Minsu Jeon) to approach IHO to suggest having the joint Workshop on S-100/S-200 Development and Portrayal held in connection with the 2020 ENAV-VTS Symposium.*

### **11.2.6. Draft guideline G1143 – Unique Identifiers for Maritime Resources**

Input paper C69-11.2.6 refers.

The Guideline proposes that the use of unique identifiers is a necessary development of e-Navigation to maintain harmonization across domains and services. Navigationally, unique objects such as marine aids to navigation, VTS products and services and other maritime services require identification numbers to avoid duplication and misalignment of marine aids to navigation and maritime safety information.

This MRN will be embedded in the IHO GI registry and numerous IALA members and other organizations were eagerly waiting for this document. The ARM Committee will work on edition 2 of this document right after approval of the council, and further editions will be published in cooperation with ENAV Committee to meet user demands.

**The Council approved guideline G1143 – Unique Identifiers for Maritime Resources.**

### **11.3. ENG Committee**

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#### **11.3.1. Summary report of the 9<sup>th</sup> session of the ENG Committee**

Input papers C69-11.3.1 and C69-11.3.1.1 **were noted.**

#### **11.3.2. Draft guideline G1145 – Application of Retro-reflecting Material on AtoN**

Input paper C69-11.3.2 refers.

The guideline provides a general informative overview for marine aids to navigation authorities and suppliers of retro-reflective material, including terminology, design, characterising, classification and guidance on its use for marine aids to navigation purposes.

**The Council approved guideline G1145 – Application of Retro-reflecting Material on AtoN.**

#### **11.3.3. Proposal for an IALABATT-IALALITE Workshop**

Input paper C69-11.3.3 refers.

This workshop is a serial workshop of ENG. This time the Committee wanted to focus on sustainability in AtoN provision, guiding the way and powering the future. It was envisaged that the workshop would examine technical developments in marine aids to navigation with a focus on the integration of emerging GNSS, independent PNT solutions and, where appropriate, linking to the UN Sustainable Development Goals (UNSDG). The workshop will be for a four-day duration and expected to be held in March 2021. Australia confirmed that they would host the workshop but the exact location was still to be decided.

**The Council approved holding an IALABATT-IALALITE Workshop in 2021 in Australia.**

#### **11.3.4. Draft revised guideline G1091 – Bird Deterrents (ed.2)**

Input paper C69-11.3.4 refers.

The scope of this revised guideline is to provide information on the problem of bird fouling on marine aids to navigation by focusing on identification of the detrimental effects of bird fouling and the possible use of effective bird deterrents or alternative solutions that allow marine aids to navigation to be cleaned easily.

**The Council approved the revised guideline G1091 – Bird Deterrents (ed.2).**

#### **11.3.5. Draft liaison note to CIRM regarding racons in busy harbours**

The purpose of note was to respond to three questions asked by the CIRM with respect to the use of solid-state radars and their relationship with racons in addition to considering other alternative technologies such as AIS. The paper identifies a concern related to solid state in that there is potential for a worse case whereby all new radars are at precisely the same frequency, potentially rendering racons useless in many instances, not just busy harbours.

The Councillor for Norway questioned the last sentence of the draft liaison note, which, in his opinion, may lead to think that the total radar band width may be narrowed.

It was agreed that the Secretariat would amend the last sentence of the note to avoid any misunderstanding.

**The Council approved the note with an amendment to be made by the Secretariat to avoid having the last sentence leading to think that the total radar band width may be narrowed.**

Action item 9:

*The Secretariat to amend the last sentence of the liaison note to CIRM on racons in busy harbours, to avoid having the last sentence leading to think that the total radar band width may be narrowed.*

## 11.4. VTS Committee

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### 11.4.1. Summary report of the 46th session of the VTS Committee

Input papers C69-11.4.1 and C69-11.4.1.1 **were noted**.

### 11.4.2. Revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Services

Input papers C69-11.4.2 and C69-11.4.2.1 refer.

These two papers provided Council with an update on the revision of the IMO Resolution A.857(20) on Guidelines for Vessel Traffic Services and the associated preparations for the IALA Seminar on the same subject. It was important to note that the revised Resolution was not the final draft, which will be produced as a result of the Seminar on the said revision, further considered by VTS47. The final draft will be submitted to Council for out of session approval.

**The Council noted the progress in preparing the draft new resolution for VTS by the VTS Committee for input to NCSR 7 in late 2019 for its consideration during the 2019-2020 biennium.**

### 11.4.3. Draft guideline G1144 – Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template

Input paper C69-11.3 refers.

The aim of this document is to provide guidance for VTS authorities to promulgate the information related to a VTS in a concise and globally harmonised manner to reduce the burden on Masters in obtaining the requirements of a VTS and to minimise confusion when moving from one vessel traffic service area to another. A suggested template for the promulgation of information to mariners had been formulated as part of the guideline.

**The Council approved guideline G1144 – Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template.**

## 11.5. ENAV Committee

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### 11.5.1. Summary report of the 23<sup>rd</sup> session of the ENAV Committee

Input papers C69-11.5.1 and C69-11.5.1.1 **were noted**.

### 11.5.2. Draft revised guideline G1139 – The Technical Specification of VDES (Ed.3)

Input paper C69-11.5.2 refers.

The guideline had been updated to reflect rapid technological developments in the area of VDES. Clarifications and corrections had been made within Annexes A, B, C and D of the guideline. The changes were finalised at ENAV23 following an inter-sessional meeting of Working Group 3 of the Committee.

**The Council approved guideline G1139 – The Technical Specification of VDES (Ed.3).**

### 11.5.3. Draft liaison note to ITU WRC-19 on IALA position on Agenda item 1.9.2

Input papers C69-11.5.3 and C69-11.5.3.1 refer.

The papers note that WRC-15 allocated frequencies for the terrestrial component of VDES, but requested further compatibility and sharing studies between the satellite component of VDES (VDE-SAT) and other services in the same and in the adjacent frequency bands. The decision to allocate frequencies for VDE-SAT was deferred until WRC-19, subject to further studies, including consideration of alternative frequency plans for VDE-SAT.

IALA provided contributions to the compatibility and sharing studies for VDE-SAT to all ITU WP 5B meetings since WRC-15, to show compatibility with incumbent services in both directions, uplink and downlink.

The Councillor for Japan stated that Japan was currently planning to invite the 27<sup>th</sup> session of ENAV Committee meeting scheduled for March 2021 in Tokyo, together with the possible IALA Workshop on Maritime Autonomous

Surface Ships (MASS), subject to the approval on financial arrangement. The Councillor for Japan indicated that the proposal of the IALA Workshop will be submitted to the relevant Committees before the approval by the Council.

**The Council approved the draft liaison note to ITU WRC-19 on IALA position on Agenda item 1.9.2.**

## **11.6. e-Navigation Underway conferences**

The Republic of Korea kindly volunteered to establish an e-Navigation Underway portal site including the three events. The address of the website is <https://www.e-navap.org/>.

### **11.6.1. e-Navigation Underway International**

Input paper C69-11.6.1 refers.

E-Navigation Underway International conference was held from 6<sup>th</sup> to 8<sup>th</sup> February 2019 on board *Pearl Seaways*, sailing from Copenhagen to Oslo. The presentations covered the broad themes of:

- The Industry Perspective – Benefits and Barriers when being a first mover;
- Regulation and Standards;
- The Port and Coastal State; and
- Cyber Security.

The conference generated six highlights, which are in the report.

No e-Navigation Underway International will be held in 2020 due to the ENAV-VTS Symposium.

**The Council noted the report on E-Navigation Underway International.**

### **11.6.2. e-Navigation Underway Asia Pacific**

E-Navigation underway the Asia Pacific will be held from 2-6 September 2019 in Seoul, Korea; this event will be followed by a Capacity building workshop on e-Navigation.

### **11.6.3. e-Navigation Underway North America**

E-Navigation Underway North-America will be held from 12-13 November 2019, in Florida aquarium in the US.

## **12. WORLD-WIDE ACADEMY**

### **12.1. Progress report and future actions**

Dean Omar Frits Eriksson gave a brief history of the World-Wide Academy, established in 2012 with independent funding and three functions: education and training; capacity building; and research and development. It is intended to meet goal 2 of the IALA Strategic Vision 2018-2026 – *All coastal states have contributed to an efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.*

The Academy is funded by sponsors under donation contracts, often renewable, and in-kind support. Its income is relatively stable but sustainable funding needs continued focus.

The main results are in education and training with 20 accredited AtoN training organisations, 29 accredited VTS training organisations, over 270 people trained in the use of the IALA Risk Management Toolbox and more than 200 certified AtoN managers. The Academy is directly involved in training, for Level 1 courses and distance learning.

Capacity building gives good results with a reduction in the number of States in need, which are evaluated comparing the volume of traffic and degree of risk against the maritime management quality. The Academy had planned twelve missions in 2019. In total the Academy carried out over 40 missions since its establishment.

The Academy took the opportunity of the Preparatory Diplomatic Conferences to hold Seminars on the safety of navigation: one took place in Morocco in February 2018 and another one was held in Istanbul in March 2019. It is expected that a third one will be held on the occasion of the Diplomatic Conference in 2020.

The main objectives for 2019 remain the following:

- Focus on the States with greatest needs
- Review of progress: establish long term relationships with the States in need
- Ensure training quality at accredited training organisations
- Strengthen distance learning with a learning management platform
- Connecting people through Alumni activities to ensure sustainable learning
- Delivery as One, the United Nations strategy.

The Academy also has the project to fill the competency gap in marine aids to navigation by the means of establishing a high-quality and motivated international Alumni network, which would be present at international events, bring professionals together, exchange know-how and experience, foster international cooperation and ensure connectivity and self-sustainability.

The Councillor for Australia congratulated the Dean for the Academy achievements, which, he said, exceeded his expectations. He was however concerned about the South Pacific islands where social and economic issues would justify actions by the Academy.

The Dean answered that need assessment missions had been carried out in these countries, which mostly helped funding responsible AtoN managers. Activities are planned with the Australian Maritime Safety Authority to improve the situation.

The Councillor for Australia then declared that AMSA would like to sponsor the Academy with 75,000 AUD in 2019. The Dean expressed his sincere gratitude.

**The Council noted the information provided.**

## **12.2. Academy Risk Register**

Input paper C69-12.2 refers.

The Dean explained that while most risk factors remained unchanged or were reducing, the possibility that the departure of the Vice Dean may impact the quality of Model Course Documentation needs to be monitored. The task of maintaining the Model Course documentation has been successfully handed over to Kevin Gregory, but the Academy must keep focus on this core area for a while.

The low hanging fruits had been picked in terms of capacity building in easily accessible and safe developing countries and therefore the WWA was moving into more unsafe environments such as Somalia, Venezuela and Sri-Lanka, meaning that there is an increased probability of safety threats and increased consequences if an incident occurs.

The Academy has introduced procedures demanding a risk assessment be conducted before such missions are undertaken, as well as a safety reporting scheme during the missions, confirming that everything is in good order.

These procedures were tested during a mission to Liberia and were found to be fit for purpose.

**The Council noted the information provided on the Academy Risk Register.**

## **13. INTERNATIONAL**

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

### **13.1. IMO**

#### **13.1.1. NCSR6**

Input paper C69-13.1.1 refers.

The Navigation Working group noted the result of the second meeting of the IMO/IHO HGDM which had drafted the Maritime Service Resolution and Circular. At the meeting, the group considered the continuous review process of the descriptions of the MSC Circular, and the title of the documents have been changed to “Initial descriptions of maritime service in the context of e-navigation”. The group agreed that IMO should act as the coordinating body where no organisation had been identified, and, it was agreed to send MS 4 Port Support Service and MS 8 vessel shore reporting to FAL Committee to review the descriptions.

The IMO FAL 43 Committee meeting in April this year considered document FAL 43/2/1, containing the outcome of NCSR 6 on the maritime services. The meeting noted the decision of the Committee to include in its biennial agenda, and the provisional agenda for FAL 44, an output on “Consideration of descriptions of Maritime Services in the context of e-navigation” and to establish a Correspondence Group to Review the Descriptions of Maritime Services related to the FAL Committee. This Correspondence group will be led by Captain Jon Leon Ervik from Norway, who is an active member of IALA. FAL 43 instructed NCSR 7 to report to FAL 44 on the outcome of its work on the maritime services.

IALA had submitted four papers, which were approved inter-sessionally and were submitted to Council 69 for formal endorsement.

**The Council noted the report on NCSR6.**

**13.1.1.1. Liaison note from IALA – Proposed Agenda items for WRC-23**

**The Council endorsed the approval by correspondence of the liaison note to NCSR6 on Proposed Agenda items for WRC-23, which was published under the IMO reference NCSR6-12-4.**

**13.1.1.2. Differentiation between an Aid to Navigation, Mobile Aid to Navigation and Autonomous Maritime Radio Device**

**The Council endorsed the approval by correspondence of the submission to NCSR6 on Differentiation between an Aid to Navigation, Mobile Aid to Navigation and Autonomous Maritime Radio Device, which was published under the IMO reference NCSR6-12-5.**

**13.1.1.3. Information on the detection by night vision devices of Marine Aids to Navigation fitted with light emitting diode (LED) light sources**

**The Council endorsed the approval by correspondence of the submission to NCSR6 on Information on the detection by night vision devices of Marine Aids to Navigation fitted with light emitting diode (LED) light sources, which was published under the IMO reference NCSR6-INF.8.**

**13.1.1.4. Information on the review of Resolution A.857(20) Guidelines for Vessel Traffic Services**

**The Council endorsed the approval by correspondence of the submission to NCSR6 on Information on the review of Resolution A.857(20) Guidelines for Vessel Traffic Services, which was published under the IMO reference NCSR6-INF.9.**

**13.1.2. MSC101**

MSC 101 meeting was held from 5 to 14 June 2019 at IMO HQ London. The report of the meeting will be ready for the next council meeting.

Agenda items of interest for IALA were related to Consideration and Adoption of Amendments to Mandatory Instruments.

Regarding MASS work item, progress was made with the regulatory scoping exercise (RSE): the RSE terms of reference had been agreed at MSC 100, which requested the Secretariat to establish a web platform for the coordination of this exercise. For the development of interim guidelines for MASS trials the Committee had already agreed on a number of basic principles – essentially emphasizing that the guidelines should set “high level” objectives and be “generic”, “goal-based” and “functional”. The Interim Guidelines for MASS trials could be found on the IMO MSC 101/WP.8.

IALA had submitted two papers, which had been approved by the Council inter-sessionally and were submitted to Council 69 for formal endorsement.



#### 13.1.2.1. Progress on the review of the Guidelines for Vessel Traffic Services (resolution A.857(20))

The Council endorsed the approval by correspondence of the submission to MSC101 on Progress on the review of Resolution A.857(20) Guidelines for Vessel Traffic Services, which was published under the IMO reference MSC101-23-11.

#### 13.1.2.2. World Marine Aids to Navigation Day

The Council endorsed the approval by correspondence of the submission to MSC101 on World Marine Aids to Navigation Day, which was published under the IMO reference MSC101-INF.8.

#### 13.1.3. TC69

The 69th session of the TC Committee was to be held from 25 to 27 June 2019 at IMO. As part of the IMO's gender programme during 2018, IMO provided four fellowships to attend the IALA level 1 AtoN manager regional training courses in China, Ecuador and Morocco.

Document TC 69/3(a), annual report, mentions that IMO, in collaboration with IHO and IALA, conducted the first joint needs assessment mission in Sudan.

**The Council noted the information provided.**

#### 13.1.4. Council 122

The 122<sup>nd</sup> of the IMO was to be held at IMO Headquarters, from 15 to 19 July 2019. Document C 122/17(c)/1 gives a brief information on IALA as a Consultative Status for IMO Council reviews, from time to time, the list of non-governmental international organizations with consultative status.

### 13.2. ITU

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#### 13.2.1. ITU-R WP5B

Input paper C69-13.2.1.2 refers.

ITU-R WP5B meeting which was held from 29th April to 10th May this year in Geneva. Six Agenda items were of interest to IALA, as follows:

- VDE Satellite as a component of VDES: IALA may consider selecting one method on the proposed solutions on VDE SAT in the CPM Report and recommending this in the communication with its members in preparation for WRC-19.
- AMRD: A liaison statement to IALA, IMO and CIRM was drafted on the revision of ITU-R M.585-7 regarding the proposed numbering scheme for AMDR Group B based on AIS technology. IALA is invited to contribute to the work on AMRD at ITU WP 5B.
- Revision of Recommendation ITU-R M.1371-5: IALA is invited to further contribute to the work on the revision of Recommendation ITU-R M.1371-5, especially on Messages 21, 28 and 29.
- Support modernisation of GMDSS – NAVDAT: IALA may observe this development and inform the members accordingly as appropriate.
- Maritime Radio Communications Plan (MRCP): IALA is invited to further contribute to the work especially in the light of the results of WRC-19 which should be reflected in an updated document of IALA's MRCP.
- LED Lights - electromagnetic interference to navigation and search and rescue equipment: IALA may observe this development and inform their membership accordingly as appropriate.

IALA had submitted one document, which had been approved inter-sessionally and was submitted to Council 69 for formal endorsement.

**The Council noted the information provided.**

#### 13.2.1.1. Liaison Note to ITUWP5B on AMRD

**The Council endorsed inter-sessional approval of the Liaison note to ITU-R WP5B on AMRD.**

#### 13.2.2. ITU Conference preparatory meeting

Input papers C69-13.2.2 and C69-13.2.2.1 refer.

The ITU Conference preparatory meeting (CPM) was held from 18 to 28 February 2019 in Geneva. The purpose of the CPM is to draft the CPM Report in preparation for the World Radiocommunication Conference 2019 (WRC-19).

WRC-19 agenda items related to the interest of IALA are:

- agenda items 1.8 Issue A: GMDSS modernization – Navigational data system on HF and MF (NAVDAT);
- agenda item 1.9.1: Autonomous maritime radio devices (AMRD) ;
- agenda item 1.9.2: Satellite component of the VHF Data Exchange System (VDE-SAT);

IALA may consider an update to its position on proposed method for WRC-19 agenda item on VDE-SAT taking into account the results of the CPM meeting and may select one method to be recommended in the communication with its members.

**The Council noted the report on the ITU Conference preparatory meeting.**

### 13.3. IMO-ITU Experts Group on Maritime Radiocommunications Matters

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Input paper C69-13.3.1 refers.

The IMO-ITU Experts Group meeting which will be held from 8 to 12 July 2019 in IMO. The document submitted by IALA provides an update on the considerations made by IALA with respect to the digitization of voice service on the maritime VHF band as well as the development of R-Mode as a candidate regional back-up for the global navigation satellite system.

**The Council endorsed inter-sessional approval of the submission to the IMO-ITU Experts Group on Maritime VHF digitization and R-Mode.**

### 13.4. IHO

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IHO and IALA have established a technical coordination meeting since 2018. The 3rd meeting of IHO-IALA technical coordination meeting will be held during the ARM committee week in October this year, at IALA HQ. The agenda for the meeting will be an update of the S-100, S-200, MRN and discussion on the joint workshop on S-100 and S-200. The result of the meeting will be reported at the next Council meeting.

### 13.5. ECC (Electronic Communications Committee)

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#### 13.5.1. Working Group FM

Input paper C69-13.5.1 refers.

The document to the ECC recognized and agreed that the maritime voice service on the maritime VHF band should be digitized. In this respect, the ENAV Committee provided five operational and technical matters for consideration at this stage of the project.

**The Council endorsed the inter-sessional approval of Liaison Note to ECC - digitization of maritime services - digital VHF (voice).**

### 13.6. 3GPP

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Input paper C69-13.6.1 refers.

At the last ENAV meeting, a liaison note was prepared to 3GPP with respect to the input paper concerning the 'Technical Specification Group Services and System Aspects; Maritime Communication Services over 3GPP system;



Stage 1'. The liaison note provided comments on the documents and proposed amendments to better reflect the maritime environment. 3GPP invited IALA to "5G vertical user workshop" from 9 to 10th July in Rome and the Deputy Secretary General will join the workshop and present update on the technical viewpoints of IALA.

**The Council endorsed the inter-sessional approval of the liaison note to 3GPP and its annex.**

## **14. IALA CONFERENCES AND SYMPOSIA**

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### **14.1. 2020 IALA Symposium – The Netherlands**

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The Councillor for The Netherlands reported that the preparation works are going to plans. She made a short presentation<sup>1</sup> on the Symposium venue and announced that the Symposium Website was up and running at [www.IALA-Rotterdam2020.nl](http://www.IALA-Rotterdam2020.nl).

### **14.2. 2022 IALA Conference – Brazil**

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The Councillor for Brazil reported that Rio de Janeiro had been selected to be the host city for the 2022 IALA Conference. He gave a short presentation<sup>1</sup> on the venue.

### **14.3. 2026 IALA Conference – India**

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The Councillor for India had submitted an invitation for the 21<sup>st</sup> Conference to be held in Mumbai, India (input paper C69-14.3).

**The Council accepted with thanks the generous invitation of India to host the 21<sup>st</sup> IALA Conference in Mumbai in 2026.**

The Councillor for India then presented a short video on Mumbai and its facilities.

### **14.4. Draft revised Guidelines for the Preparation of an IALA Conference or Symposium**

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Input paper C69-14.4 refers.

Events and Documentation Co-ordinator Marie-Hélène Grillet explained that the Guidelines are reviewed after each major event, in the light of the lessons learned during the last Conference or Symposium.

The revised document was clarifying some issues and mostly revising the time frame for the submissions of abstracts, papers and presentations, taking into account the digitization of the events and the fast developments in the member organizations, which would benefit from shorter deadlines.

**The Council approved the revised Guidelines for the Preparation of an IALA Conference or Symposium.**

## **15. MEMBERSHIP**

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### **15.1. Applications for membership**

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Input paper C69-15.1 refer. An additional input paper was tabled at the meeting.

Secretary-General Francis Zachariae listed the organizations or companies having applied for IALA membership, which were awaiting formal approval.

**The Council approved National membership for:**

- Ghana Maritime Authority (*late paper*)

**The Council approved Industrial membership for:**

- PT Visi Teknologi Samudra, Indonesia

- ICS Technologies S.R.L, Italy
- ITO Navais, The Netherlands
- Navalec S.A de C.V, Mexico
- Havelsan A.S, Turkey
- Prodar, The United States of America
- Nanhua Electroc Co., Ltd., Peoples' Republic of China (*late paper*)
- Vissim Renewable Ltd., United Kingdom (*late paper*)

**The Council approved Associate membership for:**

- Vessel Traffic Services, Finland Ltd
- Finnish Transport and Communications Agency
- Institute of High- Performance Computing, Singapore

### **15.1.1. Honorary membership**

Input paper C69-15.1.1 refers.

The Secretary-General reported that discussions had been held with the Councillors for Finland, The Netherlands, Spain and Turkey and the conclusion of these discussions were that proposals for Honorary membership should be submitted to the Council for:

- Captain Tuncay Çehreli of Turkey;
- Sr Juan Francisco Rebollo of Spain; and
- Mr Pieter Paap of The Netherlands.

**The Council agreed that Honorary membership was deserved by Captain Çehreli, Mr Rebollo and Mr Paap and decided to grant Honorary membership to the three individuals.**

## **15.2. Resignations from membership**

Input paper C69-15.2 refers.

Secretary-General Francis Zachariae invited the Council to note the resignations from the following Industrial members:

- D.W Marine and Construction Pty Ltd, Australia.
- IHM P/S, Denmark.
- Aqua Module, France.
- Trimble Germany GmbH, Germany.
- Orolia A.S, France.
- Marine Data Solution, South Africa.
- Spring Poland Ltd, Poland.
- Aster S.p.A., Italy.

## **15.3. Terminations or suspensions of membership**

Input paper C69-15.3 refers (*the paper was tabled at the meeting*).

The Council took a close look at the members on the list submitted for suspension or termination of membership and made the following decisions:

**National members will have their rights and benefits suspended with immediate effect until outstanding debts are recovered. The Council however authorized the Secretary-General to consider the individual cases and waive part of the outstanding contributions where appropriate.**

**Councillors should try and contact the members in arrears in their countries. If this is not successful, these Industrial members will have their rights and benefits terminated at Council 70.**

**Industrial membership was terminated for the following Industrial members:**

- EDC Marine International FZE, United Arab Emirates
- Vija Technologies Co., Ltd., Vietnam

Action item 10:

*The Secretary-General to suspend appropriate rights and benefits for concerned National members and begin negotiations to recover outstanding contributions.*

Action item 11:

*The Secretariat to send contact details of Industrial members in arrears to the Councillors concerned.*

Action item 12:

*The Councillors to approach Industrial members in arrears in their countries in order to recover bad debts.*

## **16. IALA COMMUNICATION TOOLS**

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### **16.1. IALA Website**

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Secretary-General Francis Zachariae reported that the Website is kept under continuous improvement.

### **16.2. IALA Bulletin**

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Events and Documents Coordinator Marie-Hélène Grillet encouraged the Councillors to provide her with articles on any subject that may be of interest to the membership. In addition she invited them to send her pictures of their national WAtON Day events for publication.

### **16.3. 2018 Annual Report**

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Secretary-General Francis Zachariae reported that the Annual Report was late, due to the late obtention of finance information. It was likely to appear in July. The draft had been agreed.

## **17. ANY OTHER BUSINESS**

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There was no other business.

## **18. DATES AND PLACES FOR NEXT MEETINGS**

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**The Council confirmed that session 70 will be held in New Caledonia from 9 to 13 December 2019.**

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

- **Session 71: 2 to 5 June 2020, IALA Headquarters**
- **Session 72: December 2020 (week 50), IALA Headquarters**
- **Session 73: June 2021 (week 25), Rio de Janeiro, Brazil**
- **Session 74: December 2021 (week 50), IALA Headquarters**

A presentation was made by the Councillors for France on New Caledonia and it was agreed that invitations would be sent very soon, together with a copy of the invitation of the President of the Government of New Caledonia.

The President closed the meeting at 10h45 on Friday 21<sup>st</sup> June 2019, thanking all participants for their fruitful participation and the IALA Secretariat for their wonderful arrangements.

## ANNEX A – AGENDA FOR THE MEETING

### APPROVED AGENDA

ITEM		ACTION REQUESTED
1.	<b>PRESIDENT'S OPENING REMARKS <sup>(a)</sup></b>	
2.	<b>APOLOGIES FOR ABSENCE <sup>(a)</sup></b>	Note
3.	<b>APPROVAL OF THE AGENDA</b>	
3.1	Draft Agenda	Approve
3.2	Draft programme	Note
4.	<b>VACANT POSITIONS WITHIN COUNCIL</b>	N/A
5.	<b>REPORT OF THE 68<sup>th</sup> SESSION</b>	
5.1	Matters arising from the session	Note
6.	<b>REPORT BY THE SECRETARY GENERAL</b>	Note
7.	<b>NATIONAL MATTERS</b>	Note
8.	<b>STRATEGY AND POLICY</b>	
8.1	<b>Council Strategy Drafting Group</b>	
8.1.1	Strategy Workshop Monday 17 June	Note
8.2	<b>Position on the Development of AtoN Services</b>	Note
8.2.1	Future of DGNSS services	Discuss
8.3	<b>Policy Advisory Panel</b>	Note
8.3.1	Report of PAP37	Note
8.4	<b>Change of status</b>	
8.4.1	3 <sup>rd</sup> Preparatory Diplomatic Conference	Note
8.4.2	Diplomatic Conference February 2020 <sup>(a)</sup>	Note
8.4.3	Draft submission to IMO Assembly	Approve
8.5	<b>Legal Advisory Panel (LAP)</b>	
8.5.1	Report of LAP19	Note
8.5.2	Updated Basic Documents	Approve
8.5.3	IALA Risk Register	Consider
8.6	<b>World Marine Aids to Navigation Day</b>	
8.6.1	World AtoN Day 2019	Note

ITEM		ACTION REQUESTED
<b>9.</b>	<b>FINANCE AND AUDIT COMMITTEE REPORT</b>	
9.1	2018 audited financial statements	Note
9.2	Revised budget for 2019	Approve
9.3	Cash flow situation as at 31 <sup>st</sup> May 2019	Note
9.4	Annual Membership Contribution for 2020	Approve
<b>10.</b>	<b>INDUSTRIAL MEMBERS COMMITTEE</b>	Note
<b>11.</b>	<b>IALA TECHNICAL ACTIVITIES</b>	
<b>11.1</b>	<b>Committee work organisation</b>	
11.1.1	Committee work programme	Approve
11.1.2	Committee structure	Note
11.1.3	Committee events plan	Note
<b>11.2</b>	<b>ARM</b>	
11.2.1	ARM9 summary report	Note
11.2.2	Draft revised guideline G1046 – Response Plan for the Marking of New Wrecks (Ed. 2)	Approve
11.2.3	Draft guideline G1133 – Requirement Traceability	Approve
11.2.4	Revised model course L1.3 on Risk Management	Approve
11.2.5	Proposal for a joint Workshop with IHO on S-100/S-200 Development and Portrayal	Approve
11.2.6	Draft guideline G1143 – Unique Identifiers for Maritime Resources	Approve
<b>11.3</b>	<b>ENG</b>	
11.3.1	ENG9 summary report	Note
11.3.2	Draft guideline G1145 – Application of Retro-reflecting Material on AtoN))	Approve
11.3.3	Proposal for an IALABATT-IALALITE Workshop	Approve
11.3.4	Draft revised guideline G1091 – Bird Deterrents (Ed. 2)	Approve
11.3.5	Draft liaison note to CIRM regarding Racons in busy harbours	Approve
<b>11.4</b>	<b>VTS</b>	
11.4.1	VTS46 summary report	Note
11.4.2	Revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Services	Note
11.4.3	Draft guideline G1144 – Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template	Approve
<b>11.5</b>	<b>ENAV</b>	
11.5.1	ENAV23 summary report	Note
11.5.2	Draft revised guideline G1139 – The Technical Specification of VDES (Ed. 3)	Approve
11.5.3	Draft Liaison note to ITU WRC-19 on IALA position on Agenda item 1.9.2	Approve

ITEM		ACTION REQUESTED
11.6	e-Navigation Underway	Note
12.	<b>WORLD-WIDE ACADEMY</b>	
12.1	Progress report and future actions	Note
12.2	Academy Risk Register	Note
13.	<b>INTERNATIONAL</b>	
13.1	<b>IMO</b>	
13.1.1	NCSR6	Note
13.1.2	MSC101	Note
13.1.3	TC69	Note
13.1.4	Council 122	Note
13.2	<b>ITU</b>	
13.2.1	ITU-R WP5B	Note
13.2.2	ITU Conference preparatory meeting	Note
13.3	<b>IMO-ITU Experts Group on Maritime Radiocommunications Matters</b>	
13.3.1	EG15	Note
13.4	<b>IHO</b>	Note
13.5	<b>ECC (Electronic Communications Committee)</b>	
13.5.1	Working Group FM	Note
13.6	<b>3GPP</b>	Note
14.	<b>IALA CONFERENCES AND SYMPOSIA</b>	
14.1	2020 – VTS-e-Navigation Symposium – The Netherlands <sup>(a)</sup>	Note
14.2	2022 – 20 <sup>th</sup> Conference – Brazil <sup>(a)</sup>	Note
14.3	2026 – 21 <sup>st</sup> Conference	Consider
14.4	Guideline for the preparation of Conference or Symposium	Approve
15.	<b>MEMBERSHIP</b>	
15.1	Applications for Membership	Approve
15.2	Resignations from Membership	Note
15.3	Terminations or suspensions of Membership	Decide
16.	<b>IALA COMMUNICATION TOOLS</b>	
16.1	IALA Website <sup>(a)</sup>	Note
16.2	IALA Bulletin <sup>(a)</sup>	Note
16.3	2018 Annual Report	Note
17.	<b>ANY OTHER BUSINESS</b>	
18.	<b>DATES AND VENUES FOR NEXT MEETINGS</b>	Decide

## ANNEX B – LIST OF PARTICIPANTS

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## ANNEX C – NATIONAL MATTERS

### Councillor for CANADA

A lot has been going on within the Canadian Coast Guard since last December.

1. Last May 22, the Prime Minister of Canada has announced that the CCG will received \$15.7 billion for the renewal of up to 18 new large ships. These ships will be composed of Arctic and Offshore Patrol Ships (AOPS), Multi-Purpose Vessels to support a variety of missions, including buoy tendering, light icebreaking, environmental response, and offshore search and rescue and Mid-Shore Multi-Mission ships. These new ships will be in addition to the three used Icebreakers acquired from Sweden last year.
2. Canada has replaced its Notice to Shipping (NOTSHIP) service with a Navigational Warning (NAVWARN) service. This NAVWARN system was first developed by our colleagues from the Danish Maritime Authority. We benefited from their work and expertise to implement our own web-application and public NAVWARN website allowing mariners to have one consolidated source for Navigational Warning in Canadian waters. The NAVWARN system does not issue or disseminate navigational warnings currently made via satellite broadcast over the International SafetyNET Service. Mariners can subscribe on the NAVWARN website to automatically receive warnings on specific areas, charts or by category of NAVWARN as they are issued. Support for S-124 output will be implemented soon and the integration on ECDIS will be tested later this year. An information paper is being prepared for the next IMO NCSR session. Finally, we intend to share the source code with other national members should they be interested.
3. AIS Application Specific Message (ASM) messages are now in trial transmitting various information on Met/Hydro, Air Gap, Ice Routes, and Marine mammal zones. A total of nearly 200 ASM are already being broadcast, with more sites and ASM types added periodically.
4. Radar Replacement: A Tender Notice was posted on [BuyandSell.gc.ca](http://BuyandSell.gc.ca) last May 31 to replace coastal RADAR equipment currently used at twenty-three (23) operational RADAR sites and to add RADAR equipment at eleven (11) new RADAR sites. Suppliers have until August 2<sup>nd</sup>, 2019 to send their bid proposal to Public Works and Government Services Canada.
5. WAAS: CCG will be completing its evaluation of the performance of WAAS in Canadian waters this summer. Tests will be done in the Arctic to evaluate if WAAS offers adequate service to mariners. Similar testing was done in the south last year at 8 different locations across Canada, showing positive results.

R-Mode: Our work with R-Mode is still on-going. We finally managed to acquire a transmitter that will work with R-Mode and DGPS. Tests will be done next week near Quebec City. Results will be shared at the upcoming workshop on R-Mode in September.

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### Councillor for FINLAND

Finnish Transport Infrastructure Agency and one of our maintenance contractor are starting a new project regarding Fairway maintenance digitalisation. There is now totally more than 25 000 atoNs in Finland, and more than 1000 of those under remote monitoring. Amount of those will increase within this project. Goal of the project is to collect and analyze AtoN remote monitoring data (like position, battery and light function etc), and take on advantage of it in Fairway maintenance work. Thanks to project we hope that maintenance work would be more predictive, and we would also save time, fuel and money in AtoN maintenance. Maintenance would be also a bit more sustainable and project also increase maritime safety.

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### Councillor for JAPAN

I first wish to inform the Council that the Councilor Vice-Admiral Takahara will be leaving the Coast Guard in few weeks' time. I'm here as his substitute, but not as a replacement.

This delegation wishes to bring a few pieces of information to the attention of the Council. As has been reported at the last meeting of the Council, we celebrated the 150th anniversary of Japan's lighthouse day on the 1st November last year. The Crown Prince and Princess were present at the ceremony and we are so pleased that after the ceremony, the Crown Prince had expressed his deep sympathy for the lighthouse services we had provided in the last 150 years. Now, from 1 May this year, they are the new Emperor and Empress.

As has also been informed at the previous meeting of the Council, Japan Coast Guard has already terminated Differential GPS services on 1 March 2019 and decommissioned all facilities for this service. We have a dedicated agenda item for this subject.

We wish to bring another piece of information to the attention on VDES of the Council. Japan Coast Guard carried out the VDES testbed field trial jointly with Tokyo University of Marine Science using their training ships, in cooperation with Japan Radio Corporation (JRC) in April 2019.

In summary, the result of trial demonstrated the very good capability of exchanging digital data and the future potential of VDES to contribute to safety and navigational efficiency. Summary of the trial and result is provided to the Council by 3 minutes short video for information.

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### **Councillor for SPAIN**

After the change of our National Government in June 2018 (one year ago), Puertos del Estado, a national Agency depending on the Ministry of Public Works, reorganized its structure. So right now the Marine Aids to Navigation Service depends on the Director of Operations, an area basically focused on the provision of port and nautical services.

Later on we had National Elections in late April 2019, so right now we are expecting a new Government, so this could have an impact also in Puertos del Estado.

In Spain, as you know, the provision of the marine aid to navigation service is not centralized and is done through national, but also regional, public and private entities.

We think that one of our most important activities for the coming years will be deepening in our ongoing training and certification program, following IALA guidelines, specially if we think that probably we will reduce the number of people dedicated to the Marine AtoN services, so that means that people who stay must have a high technical expertise in this area. According to that main objective, during the second half of the present year or during the beginning of 2020, we will develop an internal course for managers in Puertos del Estado, with contents between IALA L1 and L2 courses.

Also, we are translating into Spanish several relevant IALA documents. This work is now in progress. Our idea is that these translations should be coordinated with IALA and with AtoN services of countries of South America, in order to be representative and useful for all the Spanish speaking community. I would like to thank IALA HQ for its support to this initiative and for the provision of the original documents.

From a technical point of view, I would like to highlight our participation in the European project SC24 for the use of EGNOS in the maritime sector through analysis of centralized and decentralized architectures of transmission of EGNOS corrections, in RTCM format, through AIS devices and IALA-DGPS stations. We had developed a pilot case to transmit EGNOS corrections from the DGPS station located in Rota, in the South part of the country. We think the results and lessons learned had been interesting, so we hope they will help us in the necessary re-engineering of our national DGPS network. We have planned to maintain our service at least in a short and mid-term horizon.

And last but not least, of course we are preparing the first edition of the World AtoN Day. As you all know, the IALA Council approved that Spain will be the host country for the main event of the 2019 edition. We have a specific point of the agenda for this purpose later on, so I will present a brief report then about this matter.

## ANNEX D – ACTION ITEMS

Action item 1:

*The Secretariat to develop a draft white Strategy paper for discussion during Council 70.*

Action item 2:

*The Secretariat to produce a consolidated Position paper for discussion at Council 70.*

Action item 3:

*The Secretariat to develop a Workshop proposal, in cooperation with the ARM and ENG Committees, for out-of-session Council approval.*

Action item 4:

*The Secretariat to finalize the draft submission to the IMO Assembly after the final report of the 3rd Preparatory Diplomatic Conference is ready, ensuring consistency between both documents, and send the proposed submission to the Council for out-of-session approval with a four-week deadline.*

Action item 5:

*Councillors to send graphic materials on their celebrations for the 1<sup>st</sup> World AtoN Day to the Secretariat (Marie-Hélène Grillet) for publication.*

Action item 6:

*Councillors to send pictures of their most beautiful lighthouses to the Councillor of Japan ([jcghkokugikaihatsu1-6r9i@mlit.go.jp](mailto:jcghkokugikaihatsu1-6r9i@mlit.go.jp)).*

Action item 7:

*The Councillor for The Netherlands in cooperation with the Secretariat should prepare a paper on the impact(s) of MASS on VTS, for consideration by the Council Strategy Drafting Group at its next meeting.*

Action item 8:

*The Secretariat (Minsu Jeon) to approach IHO to suggest having the joint Workshop on S-100/S-200 Development and Portrayal held in connection with the 2020 ENAV-VTS Symposium.*

Action item 9:

*The Secretariat to amend the last sentence of the liaison note to CIRM on racons in busy harbours, to avoid having the last sentence leading to think that the total radar band width may be narrowed.*

Action item 10:

*The Secretary-General to suspend appropriate rights and benefits for concerned National members and begin negotiations to recover outstanding contributions.*

Action item 11:

*The Secretariat to send contact details of Industrial members in arrears to the Councillors concerned.*

Action item 12:

*The Councillors to approach Industrial members in arrears in their countries in order to recover bad debts.*

## ANNEX D – RECORD OF DECISIONS OF THE 69<sup>th</sup> SESSION OF THE IALA COUNCIL

The proposal made by the Councillor for Singapore was agreed and the Secretariat was tasked to finalize the draft submission to the IMO Assembly after the final report of the 3rd Preparatory Diplomatic Conference is ready, ensuring consistency between both documents, and send the proposed submission to the Council for approval with a four-week deadline.

The fourth edition of the Basic Documents was approved.

The Council decided to keep “Marine Aids to Navigation - Successful Voyages, Sustainable Planet” as the theme for the WAtON Day in the coming years.

The Council approved the 2018 audited financial statements.

The revised budget for 2019 was approved.

The Council decided the membership contributions for 2020 as follows: National members: €16,660; Industrial members: €6,350; and Associate members: €3,070.

It was agreed that the Councillor for The Netherlands in cooperation with the Secretariat should prepare a paper on the impact(s) of MASS on VTS, for consideration by the Council Strategy Drafting Group at its next meeting.

The Council approved the revised guideline G1046 – Response Plan for the Marking of New Wrecks (Ed.2).

The Council approved guideline G1133 – Requirement Traceability.

The Council approved the revised Model Course L1.3 on Risk Management.

The Council approved guideline G1143 – Unique Identifiers for Maritime Resources.

The Council approved guideline G1145 – Application of Retro-reflecting Material on AtoN.

The Council approved holding an IALABATT-IALALITE Workshop in 2021 at the location to be determined.

The Council approved the revised guideline G1091 – Bird Deterrents (ed.2).

The Council approved the note with an amendment to be made by the Secretariat to avoid having the last sentence leading to think that the total radar band width may be narrowed.

The Council approved guideline G1144 – Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template.

The Council approved guideline G1139 – The Technical Specification of VDES (Ed.3).

The Council approved the draft liaison note to ITU WRC-19 on IALA position on Agenda item 1.9.2.

The Council endorsed the approval by correspondence of the liaison note to NCSR6 on Proposed Agenda items for WRC-23, which was published under the IMO reference NCSR6-12-4.

The Council endorsed the approval by correspondence of the submission to NCSR6 on Differentiation between an Aid to Navigation, Mobile Aid to Navigation and Autonomous Maritime Radio Device, which was published under the IMO reference NCSR6-12-5.

The Council endorsed the approval by correspondence of the submission to NCSR6 on Information on the detection by night vision devices of Marine Aids to Navigation fitted with light emitting diode (LED) light sources, which was published under the IMO reference NCSR6-INF.8.

The Council endorsed the approval by correspondence of the submission to NCSR6 on Information on the review of Resolution A.857(20) Guidelines for Vessel Traffic Services, which was published under the IMO reference NCSR6-INF.9.

The Council endorsed the approval by correspondence of the submission to MSC101 on Progress on the review of Resolution A.857(20) Guidelines for Vessel Traffic Services, which was published under the IMO reference MSC101-23-11.

The Council endorsed the approval by correspondence of the submission to MSC101 on World Marine Aids to Navigation Day, which was published under the IMO reference MSC101-INF.8.

The Council endorsed inter-sessional approval of the Liaison note to ITU-R WP5B on AMRD.

The Council approved the revised Guidelines for the Preparation of an IALA Conference or Symposium.

The Council approved National membership for:

- Ghana Maritime Authority (late paper)

The Council approved Industrial membership for:

- PT Visi Teknologi Samudra, Indonesia
- ICS Technologies S.R.L, Italy
- ITO Navais, The Netherlands
- Navalec S.A de C.V, Mexico
- Havelsan A.S, Turkey
- Prodar, The United States of America
- Nanhua Electroc Co., Ltd., Peoples' Republic of China (*late paper*)
- Vissim Renewable Ltd., United Kingdom (*late paper*)

The Council approved Associate membership for:

- Vessel Traffic Services, Finland Ltd
- Finnish Transport and Communications
- Institute of High- Performance Computing, Singapore

The Council agreed that Honorary was deserved by Captain Çehreli, Mr Rebollo and Mr Paap and decided to grant Honorary membership to the three individuals.

The Council agreed that National members mentioned in input paper C69-15.3 will have their rights and benefits suspended with immediate effect until outstanding debts are recovered. The Council however authorized the Secretary-General to consider the individual cases and waive part of the outstanding contributions where appropriate.

Councillors should try and contact the members in arrears in their countries. If this is not successful, these Industrial members will have their rights and benefits terminated at C70.

Industrial membership was terminated for the following Industrial members:

- EDC Marine International FZE, United Arab Emirates
- Vija Technologies Co., Ltd., Vietnam

The Council confirmed that session 70 will be held in New Caledonia from 9 to 13 December 2019.

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

- Session 71: 15 to 19 June 2020, IALA Headquarters or at the invitation of a National member
- Session 72: December 2020 (week 50), IALA Headquarters
- Session 73: June 2021 (week 25), Rio de Janeiro, Brazil
- Session 74: December 2021 (week 50), IALA Headquarters







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