



REPORT OF THE 64TH SESSION OF THE IALA COUNCIL

(13-16 June 2017, Incheon, Republic of Korea)

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OPENING

The 64th session of the IALA Council was held at Oakwood Premier Hotel in Incheon, Republic of Korea.

The meeting was opened at 10h00 on 13 June 2017 by Mr. Juan Francisco Rebollo, IALA President, who handed over the floor to Mr Kwang-youl PARK, Director General for Maritime Affairs and Safety Policy Bureau of the Ministry of Oceans and Fisheries of the Republic of Korea.

In his address Mr PARK extended a warm welcome to all those present at this 64th IALA Council meeting.

He said that IALA had been making constant progress to develop a safe, economical and effective navigation technology and maritime traffic, thanks to the continuous work of its members and Council. The fast changing maritime traffic environment, due to the rapid progress of the technology, however, lead to a need to develop new strategies and technology standards to respond to a new traffic pattern that will incorporate new vehicles like the autonomous ships, whereas there are still areas in the world where basic navigation is not secured.

He stated his strong belief that IALA should lead the international maritime community towards creating a safe maritime environment and this includes mechanisms to support the developing countries.

Mr. PARK concluded in assuring IALA of the continuous support of the Republic of Korea in its endeavours and this included the project to change its status for that of an IGO.

1. PRESIDENT'S OPENING REMARKS

The IALA President thanked warmly the participants and welcomed the delegates who were in attendance for the first time as representatives of Brazil, Denmark, Finland, France, Ireland, the Republic of Korea and Sweden, as well as the many Councillor assistants and the IMC observer, not forgetting the IALA Secretariat.

2. APOLOGIES FOR ABSENCE

The President informed the Council that apologies for absence had been received from Ian McNaught of the UK and Scott Smith of the USA with no substitutes nominated. The Councillors for Australia, France, Ireland and Sweden had been prevented from attending but had sent substitutes. The IMC was represented by Clive Quickenden, John Sugarman having sent apologies.

Senegal was not represented at the meeting.

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

3. APPROVAL OF THE AGENDA

The draft Agenda (input paper C64-3.1) was approved with the addition of item 8.0 – Report of the Strategy Drafting Group, item 8.5 – Term and termination of Committee Chair and Vice Chair appointments, and item 12.3 – AtoN text books for WWA capacity building. The approved Agenda is at Annex A. The draft Programme for the Week (input paper C64-3.2.1) was noted.

4. VACANT POSITION WITHIN COUNCIL

The President informed the Council that the current Vice President had to resign, due to his appointment to another position within his mother organisation.

Input paper C64-4 presented the nomination by the Ministry of Oceans and Fisheries of the Republic of Korea of Ms KIM Youngshin, Director of Aids to Navigation Division.

There were no other candidates to the position and the President invited the Council to elect Ms KIM as the IALA Vice President until the next General Assembly, without going through a ballot.



Ms KIM Youngshin was unanimously elected IALA Vice President for the period ending with the 13th IALA General Assembly scheduled in 2018.

5. REPORT OF THE 63rd SESSION

Input paper C64-5.1 refers.

The Events and Documents Co-ordinator Marie-Hélène Grillet reported that three of the four action items from the 63rd Council session were completed.

The last action item, regarding the VDES FAQs on ITU Website, or available through the ITU Website, was pending. The IALA representative at ITU had indicated that, in his opinion, the request should be made by the means of a liaison note to ITU. This required, however, confirmation.

6. NATIONAL MATTERS

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.

- Integrated information/management systems: they were reported under different names but there seemed to be a clear trend towards the development of single access point for maritime information and other data of interest to the mariners;
- AIS coastal networks: their development continued and expanded;
- Autonomous vessels: tests were undergoing, mainly in Northern Europe, for inland transportation;
- Training: it was reported as more and more structured with the steady increase in number of regional training hubs and the constant support of the Academy;
- DGPS stations: some countries expressed doubts about the need to keep them running while others value them for their high accuracy;

7. REPORT BY THE SECRETARY-GENERAL

Secretary-General Francis Zachariae presented his report to the Council (input paper C64-7.1).

He started by thanking the Ministry of Oceans and Fisheries of the Republic of Korea, the Vice President Ms Kim and her team, for the perfect arrangements for this Council meeting.

He drew the Council's attention to some recent activities not mentioned in the input paper and particularly:

- The Arctic Best Practice Forum held in London the previous week, where IALA was invited to make a presentation on its Arctic work.
- The IMO MSC meeting, also in London, that he had to leave before the discussions on autonomous vessels started, but where IALA was represented by Dr. Nick Ward for the rest of the meeting. Mr Zachariae said that autonomous vessels will be an interesting challenge for the maritime community and will pose a specific challenge to resilient PNT.
- With regards to staffing arrangements, seamless transition was achieved between the outgoing WWA Dean Jean-Charles Leclair and his successor Omar Frits Eriksson. In addition to the position for communications held by Ms Aline de Bièvre on a consultancy basis, from 1st June a new position "Events and Documents Co-ordinator" was created within the Secretariat, assigned to the then Technical Operations Manager, leaving the latter position vacant. A vacancy notice was to be issued shortly.
- A new opportunity for a risk management project, through IFAN, would help IALA obtain funding for the Risk Management Toolbox. IALA should be, however, very careful before committing to an externally funded project.

He then turned to the preparation of the next General Assembly, for which a call for nominations for the Council should be sent out 6 months prior to the Assembly, together with credentials statement forms approved by the Council (Basic Documents, General Regulations Article 3.5.1 b and c). Provided that such statement forms were not ready at the time of this meeting, the Secretary-General requested Council's permission to have them developed with the help of the LAP Chair after the summer break and then approved by correspondence, in order to have them sent out within the required period of time.

Action item 1:

The Secretariat to develop, with the support of the Chair of the Legal Advisory Panel, forms for

- *a statement outlining the credentials of the National member for a position on the Council*
- *a statement outlining the credentials of the person to represent the National members*

and have them approved by the Council by correspondence to be circulated to all National members six months prior to the General Assembly.

8. STRATEGY AND POLICY

8.0. Report of the Strategy Drafting Group

The Chair of the Council Strategy Drafting Group Mr. Christian Forst reported that the group as established by Council 63 with a view to developing a high level strategy for the long term. He added that this high level strategy was not intended to compete with the strategic vision developed by the Secretariat, which aims at a shorter period. The task of the group at this first meeting was to prepare a draft letter from the Strategy Drafting Group Chair to all IALA members to get their views on the possible contents of the high level IALA strategy. The group agreed a draft for the letter and the deadline for replies was set at 31st October 2017.

The full report of the 1st meeting of the Strategy Drafting Group is at Annex C.

The Council **noted** the report of the Strategy Drafting Group meeting.

8.1. Policy Advisory Panel

Deputy Secretary-General Michael Card started with an overview of all papers presented under this Agenda item (input paper C64-8.1).

8.1.1. Report of PAP33

Input papers C64-8.1.1 refers.

Deputy Secretary-General Michael Card reported that the meeting was held at IALA Headquarters from 15 to 17 March. The meeting welcomed Cdr Noguchi of the Japan Coast Guard, recently appointed Chair of the ENAV Committee, and Mr Jorge Arroyo of the US Coast Guard, recently appointed ENAV Vice Chair. The meeting focused on the Strategic Vision, the Standard and Recommendation planning and the Committee structure.

Of importance too was the discussion on the PAP Dictionary Working Group (DWG). There was considerable divergence in views regarding the mission of the DWG and agreement on the possible difficulties to keep definitions in a source outside the documents.

After this exchange of views the PAP was of the opinion that they would suspend the DWG activities and recommend Council to allow the Committees to have definitions in their individual documents again, provided that they have been checked against definitions available from the Dictionary.

The Council **noted** the report of PAP33 and **approved to have definitions of terms in the individual IALA documents again.**



8.1.2. Strategic Vision 2018-2026

8.1.3. Position on the Development of AtoN Services

Input papers C64-8.1.2, 8.1.2.1, 8.1.3 and 8.1.3.1 refers.

Deputy Secretary-General Michael Card said that these two Agenda items and their related documents would be presented together, because they were closely linked.

- *Draft Strategic Vision for 2018-2022 (C64-8.1.2.1)*

The document was a development of the current Strategic Vision 2014-2018, updated with the support of the PAP, and with the Priorities moved to its “Position” companion document. Other changes concerned the goals, which were simplified, and the terminology that was aligned with the Constitution, making clear that the IALA definition of Marine Aids to Navigation includes VTS.

The draft Strategic Vision 2018-2022 would be further refined in light of additional comments by the Council with a view to have it approved by Council 65 and then the next General Assembly in May 2018.

Comments were made with regard to the Goals, the target year, the use of some too specific terms and the lack of some important factors.

The Secretary-General invited the Councillors to send their comments in writing (see action item 2).

The Council **noted** the document.

- *Draft Position on the Development of AtoN Services (C64-8.1.3.1)*

Deputy Secretary-General Michael Card reminded the Council that a first draft of this document had already been submitted under the title “Technical Directions” and informed Council that it had been seen by the Committees.

The Secretariat was of the opinion that this was a vital document to set out the direction of future technical and operational work and provide a necessary link between the Strategic Vision and the Committee Work Programmes. It would also be a public document explaining IALA’s positions with regards to the current and expected developments.

The document would be maintained by PAP, with advice from the Committees, and reviewed at about one year intervals.

The Council **noted** the document as well as the invitation to send comments in writing (see action item 2).

8.1.4. Recommendations Plan

Deputy Secretary-General Michael Card introduced input paper C64-8.1.4.

The paper was prepared by the Secretariat in late 2016, using earlier documents from PAP and Council 63. Its aim was to align all Recommendations – existing and planned – with the seven proposed Standards in a logical way, while identifying where there were gaps in the IALA documentation (e.g. there was no Recommendation on the Maritime Buoyage System, the use of risk analysis, VDES, preservation of important lighthouse heritage). The draft document had gone through PAP33 for review, amendment and approval.

There were questions from the floor regarding:

- Which Recommendations should be normative or informative? PAP would make proposals but the final decision would be with the General Assembly;
- How to know to which Standard a Recommendation does belong? Discussions in PAP proved that it was difficult to link a Recommendation to a Standard because one Recommendation may be linked to more than one Standard. Recommendations are, however, listed in the Standards.
- How would the membership and the public understand that IALA Standards have no technical contents? The IALA Standards are intended to give a framework to the IALA documents. This would be clearly explained to the members prior to the General Assembly.

The Council **noted** the Recommendations plan as a working document that would be further refined at PAP34.

8.1.5. Committee structure 2018-2022

Deputy Secretary-General Michael Card introduced input papers C64-8.1.5 and 8.1.5.1, drawing the Council's attention to their final approval being expected at Council 65.

The main discussion focused on the change of name for the ENAV Committee. Such change of name may not be appropriate when IALA was very well known for its efforts in progressing e-navigation. Another matter of concern was the role of the WWA.

Again the Councillors were invited to send their comments in writing.

The proposed Committee structure was **noted**.

Action item 2

The Councillors are invited to send to the Secretariat, in writing and by 31st July, any comments they may have on input papers:

- *C64-8.1.2.1: Draft Strategic Vision 2018-2022;*
- *C64-8.1.3.1: Position on the Development of AtoN Services; and*
- *C64-8.1.5.1: Committee Structure 2018-2022.*

8.2. IALA Advisory Group on Change of Status

8.2.1. Pre-Diplomatic Conference, April 2017

Input paper C64-8.2.1 refers.

Secretary-General Francis Zachariae reported that the large attendance (173 delegates from 56 countries) at the Paris conference had set the scene for two days of active discussions. The Conference agreed to invite National members to submit their comments on the draft Convention text and draft General Regulations text, in writing, at their earliest convenience but no later than 30 September. Comments received will be considered by the Chair and Vice Chair of the LAP, and the Secretariat, at a meeting planned for 5-6 October 2017 and at a LAP meeting open to all National members 30 -31 October 2017.

The draft Convention and General Regulations texts, revised in the light of the comments received, would be considered in detail at a second Preparatory Diplomatic Conference planned in early 2018, most probably 5-6 February.

The Secretary-General took this opportunity to thank all those who had not spared any efforts to make this Pre-Diplomatic Conference a success: all Councillors and their staff – especially Chile for the huge work involved in translating all documents into Spanish, and the French Councillor and his team.

The Council **noted** the report on the first Pre-Diplomatic Conference.

Action item 3:

The Secretary-General to consider what would be the costs associated with the introduction of additional working languages.

8.2.1.1. The point of view of the Industrial members

The IMC Observer Clive Quickenden provided the Council with the following statement:

“As I am sure Council is aware, the Industrial Members are closely following the transformation of IALA to an IGO.

Naturally there is concern as to the role that Industrial Members will play within an IGO once it is approved. It is understood that with the present draft Convention the role of the Industrial Members will be more or less unchanged.

The Industrial Members wish to thank all who are supporting their position in meetings and also at the recent diplomatic conference. We all welcome this support as the involvement of Industrial Members within IALA is of the utmost importance.



Much of the work of IALA takes place in various working groups and committees. The guidelines and recommendations come from such groups which are predominantly made up of Industrial Members.

The Industrial Members look forward to the continued support from Council and to also assist in any way possible.”

8.2.2. Status of action plan

Input paper C64-8.2.2 refers.

Secretary-General Francis Zachariae reported that a Council group on the change of status was created by the Council at its 59th session. The group had met four times and a high level action plan was created.

The high level action plan consisted of four areas: communication, diplomacy, financial aspects and Convention text and related documents. All identified actions were complete or kept ongoing with living documents. In the Secretary-General’s view this had been very successful and he expressed his gratefulness to the Councillor for Germany who chaired the financial group and the LAP Chair who chaired the communications group. He suggested that the Council group on the change of status be kept but meet only if the Council or the Secretariat thinks this is needed.

The Council **noted** the report.

8.2.3. Revised Roadmap towards a Diplomatic Conference

Input paper C64-8.2.3 refers.

Secretary-General Francis Zachariae went quickly through the Roadmap that had been revised and agreed by the Pre-Diplomatic Conference, drawing the Council’s attention to the document being a clear sign that the National members and their Governments were willing to move forward. He stressed however that the dates indicated in the Roadmap should not be seen as firm deadlines and the Diplomatic Conference would not necessarily be linked to an IALA major event. It was important to keep flexibility to convene the Conference when appropriate.

A few Councillors expressed concerns about two aspects of the transformation: the costs of having more than one working languages and the possible limitations if IALA falls under French law. To these concerns the Secretary-General replied that costs were being studied, that IALA would not be governed by French law but a Headquarters Agreement would be signed, giving a number of advantages to IALA. The Councillor for Japan indicated that his country was willing to participate actively in the drafting of the Convention and General Regulations texts.

The Secretary-General invited all Councillors to send any comments they may have on matters presented under Agenda item 8.2, in writing and by 31st July 2017.

The Council **noted** the information.

8.3. Legal Advisory Panel (LAP)

8.3.1. Report of LAP18

Input paper C64-8.3.1 refers.

Secretary-General Francis Zachariae informed the Council that LAP had held its last meeting (LAP18) at IALA Headquarters, focusing on the preparation of the Preparatory Diplomatic Conference with feedback from Governments, the draft Headquarters Agreement with the Republic of France as the Host Nation, the review of the draft Strategic Vision – including a definition of Marine Aids to Navigation encompassing VTS, the draft Standards and the place of the Maritime Buoyage System within the IALA document structure.

The revised draft Headquarters Agreement was to be sent to the French Government; the Goals for the Strategic Vision were slightly revised, and the Maritime Buoyage System referred to the ARM to prepare a Recommendation.

The Panel also got an informative paper on patents to be forwarded to all Committee Chairs for their respective Committees’ information, amended the proposed Incheon Declaration suggesting to transform it into a MoU between the Republic of Korea and IALA, and revised the IALA Risk Register.

The Council **noted** the report of LAP18.

8.3.2. IALA Risk Register

Input documents C64-8.3.2 and 8.3.2.1 refer.

Secretary-General Francis Zachariae reminded the Council that LAP was maintaining the IALA Risk Register since 2007. At the time of this Council meeting the risks remained essentially of legal/liability nature. Among the key changes made to the IALA Risk Register was the introduction of a reference to cyber risks. Other adjustments concerned the controls and treatment of the risks associated with the change of status project and late payment of membership contributions.

The Council **noted** the IALA Risk Register.

8.4. Technical Documents

8.4.1. Draft IALA Standards

Input papers C64-8.4.1.1, 8.4.1.2 and 8.4.1.3 to 8.4.1.9 refer.

Deputy Secretary-General Michael Card started recalling that the seven draft Standards, which were originally intended for approval at this Council session had gone through further review after comments had been received from the Councillors and the Committees. The Recommendations that were identified as missing had been, for the most part of them, developed by the Committees at their latest sessions and submitted to the Council for approval under the next Agenda items. He added that final approval would be by Council 65 in December 2017.

The Council **noted** the seven draft IALA Standards and was invited to send any further comments on the draft Standards to the Secretariat, in writing and by 31st July 2017.

Action item 4:

The Councillors are invited to send to the Secretariat, in writing and by 31st July, any comments they may have on the seven draft IALA Standards.

8.5. Term and termination of Committee Chair and Vice Chair appointments

Deputy Secretary-General Michael Card presented input paper C64-8.5, explaining that the original Article 6.2.3 of the Basic Documents – General Regulations did not provide for any mechanism for the termination of an appointment and no maximum term. The Secretariat therefore suggested adding three additional paragraphs to provide for maximum terms and termination for cause.

This would avoid having the same Chairs and Vice Chairs for too long periods, giving a chance to other qualified member staff to be chair or vice chair. It was added that this new rule could start with the next work period, not to require the current Chairs and Vice Chair to immediately step down. Also, it was made clear that, in the case of a Vice Chair becoming a Chair, this would be considered as a new appointment.

The Council approved the addition to the Basic Documents – General Regulations, Article 6.2 the addition of the following three sentences:

4. Appointments of Committee Chairs and Vice Chairs will expire at the end of each four-year work period immediately prior to a General Assembly.

5. The term for Committee Chairs and Vice Chairs should not exceed two work periods, that is eight years.

6. Termination of the appointment of a Committee Chair or Vice Chair may be made for cause by the Council on the advice of the Secretary-General.

9. FINANCIAL MATTERS

In the absence of the IALA Treasurer Captain Ian McNaught, the Councillor and member of the Finance and Audit Committee Dato' Baharin Abdul Hamid of Malaysia introduced input papers related to financial matters. Before his presentation he indicated that the Treasurer had recommended approving the proposed actions, where relevant.



9.1. Audited 2016 Financial Statements

Input papers C64-9.1 and C62-9.1.1 refer.

The 2016 financial statements show a loss of EUR 62,781, although IALA finances remained very healthy.

Secretary-General Francis Zachariae reported that there was a discussion in the Finance and Audit Committee about the economic links between IALA and the World-Wide Academy and he had promised to give a short explanation on this point.

In accordance with the General Regulations Article 7.5 (2) the Academy is an integral part of the IALA Secretariat, but largely independently funded. That is why the Income Statement is separate to present the yearly results for the two areas but not the Balance Sheet which is common to both activities.

The reason for that is that the Academy is not managed as a different company governed by the French law with an obligation to present its own financial accounts. The Academy is a different branch of activity of the association focused on Capacity Building and Training. The source of revenue and the budget are different but the Academy is an integral part of IALA.

Since its creation in 2012, the World Wide Academy kept a financial reserve in a dedicated fund. This unused money consists of a capital built up over the time by the accumulated deficits or benefits. The Academy can experience negative results as long as the cash flow reserve remains positive. The Cash reserve is €60,778. If, for any reasons, the Academy Reserve were used completely, IALA would be liable.

The Academy Board under the leadership of Professor GUG, elected by Council in accordance with the Council Decision on the World-Wide Academy, Article 6 is monitoring the budget twice a year to ensure that the Academy carries out its work programme and adheres to its budget. They also have the task in accordance with the Council decision article 5 (7) that the independence of the Academy funding from the general IALA budget is maintained. The risk for using all the reserve is thus very low taking into consideration that the work program is flexible and missions can be cancelled if required.

The Council **noted** the information and the financial statements for the year 2016.

9.2. Revised Budget for 2017

Input papers C64-9.2 and C64-9.2.1 refer.

Dato' Dato' Baharin Abdul Hamid explained that the budget for 2017 had been increased in both income and expenditure, showing an expected excess of income over expenditure of EUR 93,190.

The Councillor for The Netherlands expressed some concerns about the difficulty to compare the budget against the results of the past year, due to the budget lines not being reflected in the financial statements.

The Secretary-General explained that the format used for presenting the budget had been the same for many years, while the Auditors are using a totally different system for the balance sheets. He was, however prepared to answer any question the Council may have and look into the possibility of having the two systems aligned.

The Council approved the revised budget for 2017.

9.3. Cash Flow Situation as of 31st May 2017

Dato' Baharin Abdul Hamid presented the cash flow situation (input papers C64-9.3 and C64-9.3.1), which was **noted** by the Council.

9.4. Annual Membership Contributions for 2018

Dato' Baharin Abdul Hamid put forward the proposal for membership contributions for the year 2018 (input paper C64-9.4) explaining that it took into account the usual annual increase of approximately 3%.

The Council approved the membership contributions for 2018 as: EUR 15,700 for national members (3% increase); EUR 6,350 for industrial members (2.91% increase); and EUR 3,070 for associate members (3% increase).

10. INDUSTRIAL MEMBERS COMMITTEE

The IMC Observer Clive Quickenden reported that the IMC had met with the Ministry of Oceans and Fisheries of the Republic of Korea, who appointed a Conference contractor and everything was on track for the Industrial Exhibition as well as the Industrial Dinner in 2018. The exhibition area was found excellent.

Concerns had been raised by some Industrial members about their role when IALA has become an IGO, stressing the importance of this role being kept undiminished to have them continue to be very active in the IALA Committee.

The Council **noted** the information provided.

11. IALA TECHNICAL ACTIVITIES

11.1. ARM Committee

11.1.1. Summary report of ARM6

Input paper C64-11.1.1 refers.

The Deputy Secretary-General reported on the last ARM meeting, expressing IALA's gratefulness to the US Coast Guard for hosting the meeting and providing excellent arrangements and support.

He also informed the Council that the ARM Vice Chair had to resign just prior to the meeting, due to his leaving the Danish Maritime Administration. On an interim basis the US Coast Guard had agreed to nominate Cdr. Justin Kimura for the time of the meeting and the Secretary-General suggesting nominating Cdr. Kimura Vice Chair of the ARM Committee until the end of the work period.

The Council **noted** the report of ARM6 and ***appointed Cdr. Justin Kimura of the US Coast Guard Vice Chair of the ARM Committee until the end of the current work period 2014-2018.***

11.1.2. Draft Recommendations and Guidelines submitted by ARM

Input paper C64-11.1.2 refers. It is a summary of all documents submitted for approval for this session of the IALA Council.

Such documents refer to input papers C64-11.1.2.1 to C64-11.1.2.11.

11.1.2.1. Draft IALA Guideline G1122 – The Use of Pictograms on Aids to Navigation

The Guideline would provide guidance for the use of pictograms on special marks, with examples provided as Annex A and as set of basic rules for providing the mariner with additional information by the means of pictograms.

The Council approved IALA Guideline G1122 – The Use of Pictograms on Aids to Navigation.

11.1.2.2. Draft IALA Recommendation R1009 – Disaster Recovery

This document was presented as a management level document with basic guidance for disaster recovery, including the need to have joint plans with other organisations, carry out exercises regularly and make risk assessments.

The Council approved IALA Recommendation R1009 – Disaster Recovery.



11.1.2.3. Draft IALA Guideline G1120 – Disaster Recovery

This Guideline expands Recommendation R1009 at operational level.

The Councillor for Japan referred to documents ITU-R M.1371-5 and IALA Guideline 1082 and questioned whether a ship could broadcast virtual AIS AtoN signals. It was explained that a ship AIS station cannot broadcast message 21 but in this special case, confined to a Competent Authority, the ship would also carry an AIS AtoN station which would broadcast the virtual AIS AtoN message 21 for disaster recovery purposes.

The Council approved IALA Guideline G1120 – Disaster Recovery.

11.1.2.4. Draft IALA Recommendation R1010 – The Involvement of Maritime Authorities in Marine Spatial Planning (MSP)

This management level document draws attention to the need for Marine Spatial Planning. It is associated with Guideline G1121.

The Council approved IALA Recommendation R1010 – The Involvement of Maritime Authorities in Marine Spatial Planning (MSP).

11.1.2.5. Draft IALA Guideline G1121 – Navigational Safety within Marine Spatial Planning

The Guideline informs the main elements of the Marine Spatial Planning process. It also provides information to other MSP stakeholders.

The Council approved IALA Guideline G1121 – Navigational Safety within Marine Spatial Planning.

11.1.2.6. Draft IALA Guideline G1124 – The Use of Ports and Waterways Safety Assessment (PAWSA) MkII Tool

The United States Coast Guard developed PAWSA to assess the requirements for the use of VTS and other Marine Aids to Navigation. By 2010, over 40 ports and waterways had been assessed successfully using PAWSA. A PAWSA guide, originally published by the USCG and updated by Turkey, is included in the Guideline as an Annex.

The Council approved IALA Guideline G1124 – The Use of Ports and Waterways Safety Assessment (PAWSA) MkII Tool, with an editorial correction on Page 4.

11.1.2.7. Draft IALA Guideline G1123 – The Use of IALA Waterway Risk Assessment Programme (IWRAP MkII)

The document contains guidance originally provided in Recommendation O-134. This Recommendation will be superseded by a new Recommendation on Risk Management to be considered shortly.

The Council approved IALA Guideline G1123 – The Use of IALA Waterway Risk Assessment Programme (IWRAP MkII), and revoked IALA Recommendation O-134.

11.1.2.8. Draft IALA Recommendation R1001 – The IALA Maritime Buoyage System

There was a clear need of a clear position of the Maritime Buoyage System in the IALA document structure.

There were comments by Councillors on this proposed new Recommendation. The Councillor for Japan remarked that the first revision of the MBS booklet in 2010 was approved by the General Assembly, not Council, which was a logical approval process as the first edition had been approved as part of an international agreement signed by National members. He recommended that, on an exceptional basis, this Recommendation should be approved by the General Assembly, not the Council.

The Councillor for Ireland recommended adding a mention of the IMO Circular (IMO SN.1/Circ.297) on the Maritime Buoyage System. He remarked also that isolated danger marks were missing a description.

The Council approved the IALA Recommendation R1001 – The IALA Maritime Buoyage System, after its preamble has been amended to make reference to IMO SN.1/Circ.297 and after a description of isolated danger marks has been added. The Council also approved that any further changes to this Recommendation would require General Assembly approval.

Action item 5:

The Secretariat to amend the Preamble in draft Recommendation R-1001 – The IALA Maritime Buoyage System to make reference to IMO SN.1/Circ.297.

Action item 6:

The Secretariat to refer draft Recommendation R-1001 – The IALA Maritime Buoyage System back to the ARM Committee for a description of isolated danger marks to be inserted.

11.1.2.9. Draft IALA Recommendation R1002 – Risk Management for Marine Aids to Navigation

The draft Recommendation recommends the use of risk management and IALA risk management tools as part of the decision-making process for Marine Aids to Navigation. The Recommendation is expected to be normative in the draft Standard 1010. It supersedes Recommendation O-134 (please refer to 11.1.2.7 above).

The Council approved IALA Recommendation R1002 – Risk Management for Marine Aids to Navigation.

11.1.2.10. Draft IALA Recommendation R0130 – Categorisation and Availability Objectives for Short Range Aids to Navigation

The document is a revision of Recommendation O-130 to raise its management level, with guidance details moved to the new draft Guideline G1004 – Level of Service.

The Council approved the IALA Recommendation R0130 – Categorisation and Availability Objectives for Short Range Aids to Navigation.

11.1.2.11. Draft IALA Guideline G1004 – Level of Service

The draft Guideline contains guidance details with regards to Recommendation R0130.

The Council approved the IALA Guideline G1004 – Level of Service.

11.2. ENG Committee

11.2.1. Summary report of ENG6

Input paper C64-11.2.1 and C62-11.2.2.

Secretary-General Francis Zachariae presented the summary report of ENG6 that was held at IALA Headquarters from 27 to 31 March 2017.

Under the Academy distance learning programme, five participants passed modules of Level 1 AtoN Manager courses during ENG6. Another four participants attended Module 3 at IALA Headquarters in April.

The ENG Committee updated its work programme for the current period in the light of emerging technologies.

The Council **noted** the report of ENG6.

The Secretary-General then introduced the draft Recommendations and Guideline finalized at ENG6, as well as revised Model Courses, as per below.

11.2.2. Draft Recommendation R1004 – Environmental Management in the Provision of Marine Aids to Navigation and draft Guideline G1036 – Environmental Management in Aids to Navigation

The draft new Recommendation and Guideline form a complementary pair of documents. The Recommendation encourages IALA members and authorities to implement a formal system to protect the marine environment and minimise the impact of their activities on the world's resources. The Guideline is a revision of the existing Guideline 1036.

The Council approved the IALA Recommendation R1004 – Environmental Management in the Provision of Marine Aids to Navigation and the revised IALA Guideline G1036 – Environmental Management in Aids to Navigation.



11.2.3. Draft Recommendation R1005 – Conserving the Built Heritage of Lighthouses and other Aids to Navigation

Input documents C64-11.2.4 and 11.2.4.1 refers.

The draft new Recommendation encourages IALA members and authorities to implement measures to ensure that lighthouses and other Marine Aids to Navigation structures, which are of historical interest, are conserved and maintained, as far as practicable, as part of the global maritime heritage.

There were some reservations about using a strong wording for an activity that is not part of IALA's core business. The Council therefore agreed a softened wording of the "Recommends" part of the Recommendation. [insert change]

The Council approved the IALA Recommendation R1005 – Conserving the Built Heritage of Lighthouses and other Aids to Navigation as amended at the meeting.

11.2.4. Draft Recommendation R0106 – Retroreflecting Material on Aids to Navigation Marks within the IALA Maritime Buoyage System

Input document C64-11.2.5 refers.

The document is a revised edition of the existing Recommendation E-106.

The Council approved the IALA Recommendation R0106 – Retroreflecting Material on Aids to Navigation Marks within the IALA Maritime Buoyage System.

11.2.5. Draft World-Wide Academy Model Courses

Input documents C64-11.2.6 to 11.2.6.5 refer.

Five revised Model Courses were finalized by the ENG Committee at its 6th session, which were approved by the Council.

The Council approved the following revised Model Courses:

- L2.1.14 – Aids to Navigation – Technician Training Level 2 Module 1 Element 1.14 – An Introduction to Shore Marks;
- L2.5.1&2 – Aids to Navigation – Technician Training Level 2 Module 5 Elements 5.1 & 5.2 –Introduction to Coatings and Specifications; Surface Preparation;
- L2.2.4 – Aids to Navigation – Technician Training Level 2 Module 2 Element 2.4 – Wind Generators;
- L2.2.5 & 6 – Aids to Navigation – Technician Training Level 2 Module 2 Elements 2.5 & 2.6 – Mains AC Utility Power Systems; Diesel and Petrol Generators; and
- L2.2.7 – Aids to Navigation – Technician Training Level 2 Module 2 Element 2.7 – Lightning Protection.

11.2.6. Summary report of the IALA Workshop on Sustainable Light & Power for the Next Generation

Input document C64-11.2.7 refers.

Secretary-General Francis Zachariae reported that the Workshop had been held in Koblenz, Germany, hosted by the German Federal Waterways & Shipping Administration, with great support from Reiner Strenge and Jörg Unterderweide. The Workshop concluded with 7 highlights and working documents to be further progressed at the ENG Committee, which was meeting the following week.

The Council **noted** the summary report of the Workshop.

11.3. VTS Committee

11.3.1. Summary report of VTS43

Input paper C64-11.3.1 refers.

Secretary-General Francis Zachariae introduced the summary report of VTS43.

The main output was the completion of a draft output proposal to the IMO for a review of IMO Resolution A.857(20), Guidelines for Vessel Traffic Services. A first draft for a new Work Programme for the next work period was compiled and will be further reviewed at VTS44.

The Council **noted** the summary report of VTS44.

11.3.2. Summary report of the IALA Workshop on Common Phraseology and Procedures for VTS

Input paper C64-11.3.2 refers.

Secretary-General Francis Zachariae reported that the Workshop had been held in Denpasar, Bali, Indonesia, kindly hosted by the Indonesian Ministry of Transportation, which he thanked for its generosity and arrangements.

The Workshop, consisting of 3 working groups, concluded with 9 highlights.

The Council **noted** the summary report of the Workshop.

11.3.3. Suggested name change for VTS work task 2.3.1

Input paper C64-11.3.3 refers.

Secretary-General Francis Zachariae explained that the Committee sought approval for a change of name of its work task 2.3.1.

The Council approved the renaming of the VTS Committee work task 2.3.1 - to provide a “Guideline on the technical interface between VTS systems and the systems of other stakeholders” - to “Guideline on technical aspects of VTS information exchange between VTS and allied or other services”.

11.3.4. Draft submission to the IMO Maritime Safety Committee concerning an update of MSC Circular 1065

Input paper C64-11.3.4 refers.

Secretary-General Francis Zachariae informed the Council that the proposed submission to IMO was reflecting on the publication in June 2016 of the IALA Model Course V-103/5, which made necessary to update the MSC Circular 1065. Amendments had been kept to the minimum.

The Council approved the submission to the IMO MSC on an update of MSC Circular 1065 on the IALA standards for training and certification of Vessel Traffic Service (VTS) personnel.

11.3.5. Withdrawal of IALA documents relevant to the introduction of VDES

Input paper C64-11.3.5 refers.

Secretary-General Francis Zachariae explained that this liaison was originally directed at coordinating VTS and ENAV work, and he informed the Council of a coordination meeting between the two Committees scheduled later in the year.

The purpose of the liaison note was to request withdrawal of Guideline 1032 – Aspects of Training of VTS Personnel Relevant to the Introduction of the Automatic Identification System. The information is available from other sources.

The Council approved the withdrawal of IALA Guideline 1032 – Aspects of Training of VTS Personnel Relevant to the Introduction of the Automatic Identification System.

11.3.6. Review of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Services

Input papers C64-11.3.6 and 11.3.6.1 refer.

Secretary-General Francis Zachariae explained that, with the approval of the IALA VTS Strategy Paper by the Council at its 60th session in May 2015, the VTS Committee was tasked to prepare a submission of an unplanned output proposal to review IMO Resolution A.857(20) – Guidelines for Vessel Traffic Services. The Council identified a need to draw on the compelling needs identified when updating the existing Resolution to support the proposal for a revision. A draft submission was finally agreed by the Committee (input paper C64-11.3.6.1).

The Secretary-General recognized that this was a very important issue, the IMO Resolution forming the basis for VTS, but some feedback from members and comments made by some Councillors during this session suggested



that the draft input may benefit from further work on its form. Also, he was fully aware that the paper developed by IALA would need to be sponsored by an IMO Member State.

He then suggested the following process:

- the Council approve the paper in principle and direct the Secretariat to finalize it, taking into account the comments received from the Council
- the Secretariat then forward the revised draft to all IALA National members to seek sponsorship
- when sponsors are identified, seek Council approval by correspondence.

The Council approved the following procedure to handle the draft submission to IMO MSC on the revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Services:

- ***the Council approve the paper in principle and direct the Secretariat to finalize it, taking into account the comments received from the Council***
- ***the Secretariat then forward the revised draft to all IALA National members to seek sponsorship***
- ***when sponsors are identified, seek Council approval by correspondence.***

Action item 7:

The Council to submit any comments on the draft submission to IMO MSC on the revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Service, to the Secretariat, in writing and no later than 31st July 2017.

Action item 8:

The Secretariat to finalized the draft submission to IMO MSC on the revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Service, drawing on the comments received, and circulate the revised draft to all National members in order to identify sponsors, and have the paper submitted to IMO by the deadline for MSC99.

11.3.7. Draft revised Recommendation R0103(V-103) – Standards for Training and Certification of VTS Personnel

Input paper C64-11.3.7 and 11.3.7.1 refers.

Secretary-General Francis Zachariae indicated that the Recommendation was an update of existing Recommendation V-103, also renumbered according to the new IALA document numbering system.

The Council approved the revised Recommendation R0103(V-103) – Standards and Certification of VTS Personnel.

11.3.8. IALA Guideline on public and media relations in special/defined circumstances

Secretary-General Francis Zachariae introduced the input paper C64-11.3.8, explaining that the production of such a guideline was directed by the VTS Committee work task number 1.2.1. The Committee was of the opinion that the necessary guidance is already available in Edition 6 of the VTS Manual published in 2016. The Committee therefore requested the Council approval to remove this task from its work programme.

The Council **noted** the availability of the necessary information from the VTS Manual Edition 6.

The Council approved the removal of work task 1.2.1 – Preparation of a guideline on public and media relations in special/defined circumstances from the VTS Committee work programme.

11.3.9. Suggested name change for VTS work task 1.1.6

Input paper C64-11.3.9 refers.

The Council approved the change of name of VTS Committee task No. 1.1.6 from “Producing a Guideline on Measures to evaluate the effectiveness of a VTS” to “Producing a Guideline for setting and achieving VTS objectives”

11.4. ENAV Committee

11.4.1. Summary report of ENAV20

Deputy Secretary-General Michael Card presented input paper C64-11.4.1, noting the high number of participants in the meeting had reached a record number of 137, representing 29 countries and the Secretariat had to make

use of the newly implemented video-conferencing system to allow the participants, attending from two different rooms, to follow the discussions in plenary.

The Council **noted** the summary report of ENAV20.

11.4.2. Draft Recommendation R1011 – The Performance and Monitoring of eLoran Services in the Frequency Band 90-110 KhZ

Input papers C64-11.4.2 and C64-11.4.2.1 refer.

Deputy Secretary-General Michael Card presented the document as setting out the five principles with which IALA National members and other authorities should comply when establishing an eLoran service. Guidance is given in the proposed IALA Guideline G1125.

The Council approved the IALA Recommendation R1011 – The Performance and Monitoring of eLoran Services in the Frequency Band 90-110 KHz.

11.4.3. Draft IALA Guideline G1125 – The Technical Approach to Establishing a Maritime eLoran Service

Input papers C64-11.4.3 and C64-11.4.3.1 refer.

Deputy Secretary-General Michael Card explained that the Guideline summarizes the requirements in accuracy, integrity, availability and continuity for a WWRNS based on the IMO Resolutions A.1046(27) and A.915(22).

The Council approved the IALA Guideline G1125 – The Technical Approach to Establishing a Maritime eLoran Service.

11.4.4. Draft revised IALA Guideline G1087 – Procedures for the Management of the IALA Domain under the IHO GI Registry

Input papers C64-11.4.4 and C64-11.4.4.1 refer.

Deputy Secretary-General Michael Card said this was a revision of the current Guideline Edition 2 to Edition 3.

The Council approved the IALA Guideline G1087 – Procedures for the Management of the IALA Domain under the IHO GI Registry.

11.4.5. Draft revised IALA Guideline G1106 – Producing an IALA S-200 Series Product Specification

Input papers C64-11.4.5 and C64-11.4.5.1 refer.

Deputy Secretary-General Michael Card explained it was an upgrade of the current Guideline Edition 1 to Edition 2, with greater details on the product specifications referred to in Guideline G1087.

The Council approved the IALA Guideline G1106 – Producing an IALA S-200 Series Product Specification..

11.4.6. Draft IALA Recommendation R0147(e-NAV-147) – Product Specification Development and Maintenance

Input papers C64-11.4.6 and C64-11.4.6.1 refer.

Deputy Secretary-General Michael Card said Guideline e-NAV-147 had been reformatted to be in line with the new Recommendation style and the Annex containing the rationale for the Recommendation was found unnecessary and removed.

The Council approved the IALA Recommendation R0147 – Product Specification Development and Maintenance.

11.4.7. Draft IALA Guideline on Specification of e-Navigation Technical Services

Input papers C64-11.4.7, C64-11.4.7.1 and C64-11.4.7.2 refer.

Deputy Secretary-General Michael Card explained that this Guideline was still a working paper, under development. The Guideline is intended for service architects, system engineers and developers in charge of designing and developing a technical service or designing and developing a device for its use.



The Committee had expressed the wish to have the draft sent to Sister Organizations (including CIRM, IHO and possibly IEC) to get comments in order to finalize the document at ENAV21.

The Council approved forwarding the proposed liaison note to Sister Organizations, together with the draft Guideline on Specification of e-Navigation Technical Services, to get their comments and finalize the document at ENAV21.

Action item 9:

The Secretariat to forward the liaison note to Sister Organizations, together with the draft Guideline on Specification of e-Navigation Technical Services, to get comments that would be referred to the ENAV Committee.

11.4.8. Draft IALA Guideline G1126 – Calculation of DGNSS Antenna Efficiency

Input papers C64-11.4.8 and C64.11.4.8.1 refer.

Deputy Secretary-General Michael Card said that this was a new Guideline intended to assist the DGNSS providers with establishing correct output signals levels from their LF/MF transmitter stations, and measuring the antenna efficiency. The Guideline was important in connection with the development of r-mode.

The Council approved the IALA Guideline G1126 – Calculation of DGNSS Antenna Efficiency.

11.4.9. Draft IALA Recommendation R1007 – The VHF Data Exchange System (VDES) for Shore Infrastructure

Deputy Secretary-General Michael Card informed the Council that this new Recommendation recommends the National members and other authorities providing shore infrastructure for Marine Aids to Navigation services should plan to upgrade existing AIS infrastructure to VDES to provide enhanced digital connectivity. Those authorities without AIS shore infrastructure should consider implementing VDES shore infrastructure.

The Council approved the IALA Recommendation R-1007 – The VHF Data Exchange System (VDES) for Shore Infrastructure.

11.4.10. Draft Liaison note to IHO NIPWG on the use of .mrn in S-201

Input papers C64-11.4.10 and C64-11.4.10.1.

Deputy Secretary-General Michael Card explained that the concept of Unique Identifiers for Maritime Resources was developed within the ENAV Committee to enable marine data and products to be labelled and better managed. The IHO had been (informally) in favour of the concept. A request for allocation to IALA of a “.mrn” domain had already been submitted to the Internet Engineering Task Force (IETF).

The Councillor for Ireland raised a concern about the tasks implied for the management of such numbers and wondered what the consequences of an inability to cope would be on the IALA reputation.

The Deputy Secretary-General answered that the Committees gather excellent participants and the Secretary-General was about to appoint a new Technical Operations Manager with a technical background who would certainly be able to manage the task.

The Council approved the liaison note to IHO NIPWG on the use of mrn in S-201.

11.4.11. Draft Liaison note to IHO NIPWG on S-201 and List of Lights

Input paper C64-11.4.11 and C64-11.4.11.1 refer.

Deputy Secretary-General Michael Card said that the draft liaison note addressed an overlap or similarity between S-101 (IHO) and S-201 (IALA).

The Council approved the liaison note to IHO NIPWG on S-201 and the List of Lights.

11.4.12. Draft Liaison note to IHO on Maritime Service Portfolios

Input papers C64-11.4.12 and C64-11.4.12.1 refer.

Deputy Secretary-General Michael Card presented the draft liaison note as part of the ongoing cooperation with IHO. The IALA Secretariat was planning a meeting with IHO, the ENAV Chair and Vice Chair and the Chairs of the two relevant ENAV Working Groups at IALA Headquarters in July. IMO MSC would decide whether to activate the

IMO-IHO Harmonisation Group on Data Modelling (HGDM) but regardless of the decision a common understanding between IALA and IHO was desirable.

The Council approved the liaison note to IHO NIPWG on Maritime Service Portfolios.

11.4.13. Draft Liaison notes to other Organizations on Maritime Service Portfolios

Input papers C64-11.4.13 to C64-11.4.13.5 refer.

Deputy Secretary-General Michael Card reported that the ENAV Committee was developing a Guideline on Maritime Portfolios and wished to receive comments from other organizations. The Committee had therefore drafted liaison notes to IMA, IMRF, WMO and IHO HGDM.

There were questions from the floor on the organization selection criteria. Some Councillors were of the opinion that the most important organizations in this field of activity were not on the proposed list of recipients.

The Council decided to postpone the draft liaison notes to other Organizations on Maritime Service Portfolios, discuss the matter with IHO and the Committees and have the liaisons notes submitted again for approval – if relevant – at a later Council meeting.

Action item 10:

The Secretariat to consider with IHO and the ENAV Committee the relevance of sending a liaison note on Maritime Service Portfolios to the proposed organizations.

11.4.14. Draft Liaison note to CIRM on the use of racons in busy harbours

Input papers C64-11.4.14 and C64-11.4.14.1 refer.

Deputy Secretary-General Michael Card explained that it came become evident that racons perform poorly in busy harbours, due to the use of the same of similar frequencies by racon manufacturers. The liaison note was intended to invite CIRM to address the problem through manufacturers and work with IALA to overcome it.

The Council **noted** the report on racons in busy harbours.

The Council approved the liaison note for forwarding to CIRM together with the report on racons in busy harbours.

11.4.15. Withdrawal of IALA Guidelines 1028 – AIS Volume 1, Part 1, Operational Issues and 1029 – AIS Volume 1, Part 2, Technical Issues

Input paper C64-11.4.15 refers.

Deputy Secretary-General Michael Card informed the Council that these Guidelines had been superseded by the Guideline 1082 and should be withdrawn.

The Council approved the withdrawal of IALA Guidelines 1028 – AIS Volume 1, Part 1, Operational Issues and 1029 – AIS Volume 1, Part 2, Technical Issues.

11.4.INF1. Liaison note to ITU-R WP5B

Deputy Secretary-General Michael Card reminded the Council that the document had been approved by correspondence and forwarded to ITU.

The Council formally approved forwarding the liaison note to ITU-R WP5B, noting that it had been approved by correspondence and already submitted.

11.5. e-Navigation Underway

11.5.1. Coordination of the e-Navigation Underway events

Secretary-General Francis Zachariae reported that the first International e-Navigation Underway Conference was organised under the auspices of the Danish Maritime Authority and IAKA in 2011 and attracted participation from all around the world with a wide cross-section of stakeholders. Since then it had been hold annually.



e-Navigation Underway North America started in 2014 as another annual event, the next one being scheduled in October 2017 in St. John's, Newfoundland.

e-Navigation Underway Asia Pacific was to gather for the first time in the Republic of Korea the week immediately after the Council meeting.

The e-Navigation Conferences provide an excellent platform for the harmonised global development of e-Navigation technologies and best practices. The Danish Maritime Authority, the Ministry of Oceans and Fisheries of the Republic of Korea, the US Coast Guard, IALA and the supporting international organizations set up a Co-ordination Group, the Terms of Reference of which are at input paper C64-11.5.1.

The Council **noted** the information provided.

11.5.2. E-Navigation Underway International

Input paper C64-11.5.2 refers.

Secretary-General Francis Zachariae reported briefly on the last e-Navigation Underway International Conference, which was a show-case of progress and trends. The Conference was attended by 154 delegates of 28 countries with 11 exhibiting companies.

After 28 presentations had been made the Conference concluded with five highlights.

The Council **noted** the report.

11.5.3. e-Navigation Asia Pacific

Secretary-General Francis Zachariae informed the Council that the first e-Navigation Asia Pacific Conference would be held on Jeju Island in the Republic of Korea after the Council meeting.

The Conference will focus on smart navigation.

The Council **noted** this information.

12. IALA WORLD-WIDE ACADEMY

12.1. Progress report and future actions

The Dean of the IALA WWA Omar Frits Eriksson explained that the Academy supports Goal 2 of the IALA Strategic Vision. Its main activities are education and training, capacity building with need assessment missions, and research and development.

The objectives given to the Academy by its Board were:

- A focus on target States in the greatest needs
- The achievement of one training hub per region (taking account of the various languages courses were delivered in Spanish and French)
- Keeping people in contact to ensure sustainable learning (the creation of a WWA Alumni association may help).

The Dean then explained that the “greatest needs” were assessed in terms of AtoN management maturity and/or the degree of traffic and risks in the territorial waters. In total, 28 countries had been identified as being in greatest needs.

The presentation made by Omar Frits Eriksson (available from the IALA Website in the Council 64 papers) raised some comments:

- India informed that an agreement had been signed with the Republic of Bangladesh in April this year for cooperation on Aids to Navigation. A MoU is under development with Mauritius;
- China was intending to link with the Academy to fund actions towards targeted countries;
- Spain informed that a training course would soon be delivered in Ecuador for Spanish speaking countries, in addition to the courses in Spanish regularly organised in Spain;

- A training course in the French language was scheduled in Morocco, in addition to the courses in French languages regularly organised in France..

The Council **noted** the information provided and the report of the 12th session of the IALA WWA Board provided as input paper C64-12.1.

12.2. Academy Risk Register

The Dean of the IALA WWA Omar Frits Eriksson said that the Academy had worked on a risk register together with the Legal Advisory Panel but no paper was provided to the Council on this instance. The major risk identified was the loss of funding. To mitigate this risk the Academy had developed MoUs with the Republic of Korea and was working on MoUs with other countries. Among the other risks identified were a commitment that may be excessive, the quality of the missions, the quality of training, and the quality of the Model Courses. As far as the quality of the Model Courses is concerned the Dean said that this risk was mitigated by a continued monitoring by the Committees.

The Council **noted** the information provided.

12.3. AtoN text books for WWA capacity building

The Chairman of the World-Wide Academy Board, Prof. Seung-gi Gug presented the Dean of the Academy with a set of three text books that had been developed for the management course scheduled for July 2017 in the Republic of Korea, and for further use for the senior and technician training courses

The books were handed over to the Dean by the IALA Vice President Ms Kim Youngshin.

13. INTERNATIONAL

13.1. IMO

13.1.1. e-Navigation NCSR4

Input paper C64-13.1.1 refers.

Deputy Secretary-General Michael Card presented the IALA report on IMO NCSR4, highlighting the main subjects of interest to IALA:

- A working Group on Communications was established under the chairmanship of Mr A. Schwarz of Germany
- IALA presented a paper in plenary, informing the Sub Committee of the new IALA Guideline 1117 – VHF Data Exchange System
- A submission from Japan provided information on predicted geographical coverage of a NAVDAT station compared to a Navtex station
- A Working Group on e-Navigation was established under the chairmanship of Captain Moises de Gracia (Panama)
- This Working Group discussed the activation of the IMO-IHO Harmonisation Group on Data Modelling but confirmation of its activation was pending until MSC98.

This Council **noted** the information provided.

13.1.2. MSC98

The Secretary-General represented IALA at MSC98 but had to leave the meeting early, due to this Council meeting.

The Council will be informed of matters of particular interest to IALA that may have been raised at the next Council meeting.



13.2. ITU

There was no input paper under this Agenda item.

Deputy Secretary-General Michael Card informed the Council that a report had been received a few hours before the meeting started from the IALA representative at ITU, Mr Stefan Bober (by kind permission of the German Federal Waterways and Shipping Administration) who had been attending **ITU-R WP5B** from 22 May to 2 June 2017.

The input document provided by IALA on VDES was well received and the focus was to be on the satellite component of VDES. The Russian Federation and the People's Republic of China had concerns on the protection of the existing land services and the protection of VDES Sat from existing land services.

ITU WP5B finalized the definition of Autonomous Maritime Radio Devices (AMRD). However, the role of Mobile AtoN was not well understood, especially the distinction between ARMD and Mobile AtoN. A liaison statement to IMO and IALA was drafted and IALA should advise ITU and IMO on the developments of Mobile AtoN.

Finally, a joint IMO/ITU Expert Group meeting was scheduled for July 2017, which would have AMRD on its Agenda. Stefan Bober of Germany and Jorge Arroyo of the US Coast Guard would represent IALA.

The Council **noted** this information.

13.3. IHO

13.3.1. IHO meetings

Input paper C64-13.3.1 and C64-13.3.1.1 refer.

Secretary-General Francis Zachariae talked briefly on the IHO Assembly where a new Secretary General and new Directors were elected. The new Secretary-General Mathias Jonas of Germany will be assisted by two Directors Abri Kampfer of South Africa and Mustafa Iptes of Turkey. The Secretary-General was looking forward to continuing good relationship with the IHO new management team.

He then presented the report provided by the IALA representative at the S-100 Working Group and ENC Working Group, Guttorm Tomren of the Norwegian Coastal Administration.

The Council **noted** the information provided and the report on the two IHO Working Groups meetings.

13.3.2. IMO-IHO Harmonisation Group on Data Modelling (HGDM)

13.3.3. S-200 Domain in the Common Marine Data Structure

These Agenda items were not discussed but input papers are available at C64-13.3.2 and C64-13.3.3.

13.4. Arctic Matters

13.4.1. Arctic Council

Input paper C64-14.1 refers.

Secretary-General Francis Zachariae reminded that the Council had approved, in December 2016, the submission of an application for observer status at the Arctic Council. This application was not accepted by the Arctic Council Ministerial meeting on 11 May. The Arctic Council had received 20 applications and only 7 had been accepted but IALA was invited to reapply.

The IALA Council was of the opinion that the Secretary-General should, before reapplying, investigate the reasons why the IALA application had been rejected.

Action item 11:

The Secretary-General to investigate the reasons why the IALA application for observer status at the Arctic Council had been rejected.

The Council **noted** the information provided.

13.4.2. IALA Arctic Seminar

Input paper C64-14.3.2 refers.

Secretary-General Francis Zachariae reported that the Seminar was planned on 8 and 10 November 2017 at IALA Headquarters. Planning was still in progress.

The Councillor from Norway express support to the Seminar and that Norway will actively participate in the planning.

The Council **noted** the invitation provided.

13.5. EfficienSea2

Input paper C64-13.5.1 refers.

Deputy Secretary-General Michael Card summarized IALA's involvement in the DMA-led project, funded by the EU Horizon 2020 scheme, which continued to proceed well.

A Workshop on the proposed "Maritime Cloud" would be held at IALA Headquarters in November 2017.

The Council **noted** the information provided.

13.6. FERNs

Input paper C64-13.6.1 refers.

Deputy Secretary-General Michael Card reported that the FERNs Council had decided to expand its activities to all radio systems and open to possibly become a regional organization.

Other countries are invited to attend the meetings as observers.

IALA would be represented in the next FERNs Council meeting by the Deputy Secretary-General and the Finance and Administration Manager Mrs Christine Philip.

The Council **noted** the information provided.

13.7. Resilient PNT Forum

There was nothing to report under this Agenda item.

13.8. APHoMSA

Input paper C64-13.8 refers.

Secretary-General Francis Zachariae introduced the report on the meeting held on 22-24 March 2017 in Langkawi, Malaysia, where the paper presented by IALA on its works and achievements was well received.

The Council **noted** the information provided.

14. IALA CONFERENCES AND SYMPOSIA

14.1. 2018 IALA Conference – Republic of Korea

A visit to the Conference venue, Songdo ConvensiA in Incheon, was organised on Wednesday 14 June.

The Host Organisation reported that the preparation works were progressing according to plans. The registration fees were kept similar to the ones of the previous Conference in Spain. A best practice award session would be organised at the request of the Host organisation. Submissions should be made by 30 November 2017. Special



sessions would be held for Lighthouse Societies and IMC innovation, the latter not being intended for selling products but presenting new research and development. There would be a 4 day partner programme.

Regarding the lighthouse exhibition booths would be free of charge. In the case of an exhibiting organisation intending to donate the exhibited artefacts, the Host Organisation would take charge of the shipping and insurance costs. However, the Host Organisation were willing to remain open to discussions with others exhibitors.

For any enquiries exhibitors were invited to contact heritage@iala2018korea.org.

The Events and Documents Co-ordinator Marie-Hélène Grillet reported that the deadline for abstracts had been extended until 30 June 2017 due to poor response by the original deadline. At the time of leaving for the Council meeting the number of abstracts received was satisfactory and will allow for a selection of good papers.

She added that the LAP had identified that autonomous ships were a critical subject to AtoN authorities and should be a topic for Conference presentations. As only one abstract had been submitted on the matter she encouraged the Councillors to enquire with their staff if abstracts of valuable papers could be submitted, even after the deadline.

Action item 12:

Councillors to consider if abstracts of Conference papers on autonomous vessels could be submitted by their respective organisations by 31st July.

The Council **noted** the information provided.

14.1.1. Incheon Declaration

Input paper C64-14.1.2 refers.

Secretary-General Francis Zachariae reported that the draft had been based on a document developed jointly by the Republic of Korea, the ENG Committee and the IALA Secretariat. The Declaration would not be binding but could be referred to in the Recommendation R1005 just approved Conserving the Built Heritage of Lighthouses and other Aids to Navigation. The Declaration would be signed by the Republic of Korea and IALA, represented by its President.

The process and detailed plan related to the Incheon Declaration will be discussed continuously and a report will be given at Council 65 in December 2017.

The Council **noted** this information.

14.2. 2020 IALA Symposium – The Netherlands

The Councillor for The Netherlands reported that the Symposium on VTS and e-Navigation would be held in World Trade Centre in Rotterdam, from 25 to 29 May 2020. The Organisers were working on the costs and the budget. The appointed Symposium Director was Mr Pieter Paap, who is well known to IALA members and made a presentation to the Secretariat on the occasion of the last VTS Committee meeting at IALA Headquarters. She added that they were trying to achieve that IMO avoids the Symposium dates for its MSC Committee meeting.

The Secretary-General added that IALA would not support any other event on e-Navigation in 2020.

The Council **noted** the information provided.

14.3. 2022 IALA Conference – Brazil

The Councillor for Brazil reported that the Conference city had not been selected yet but more information would be available for the next Council meeting.

The Council **noted** the information provided.

15. MEMBERSHIP

15.1. Applications for membership

Input paper C64-15.1 refers.

Secretary-General Francis Zachariae drew the Council's attention to the recent posting of a revised version of the input paper, due to late applications received by the Secretariat. He also reminded that, according to the General Regulations, some new members had been provisionally accepted, subject to endorsement by the Council.

The Council **noted** the information and

The Council endorsed the approval of national membership for Saudi Ports Authority.

The Council endorsed the approval of industrial membership for SAFRAN Electronics & Defence, France; innovative navigation, Germany; SICE s.r.l., Italy; Keumha Naval Technologies, Republic of Korea; Kronshtadt Technologies JSC, Russian Federation; and Briggs Marine Contractors, United Kingdom.

The Council endorsed the approval of associate membership for DP World-Jebel Ali Port, United Arab Emirates.

The Council approved in principle the application membership of Raad Bushehr Engineering Co, Iran, and United International Trading and Contracting Co., Qatar, provided that join as Industrial members.

The Council approved in principle the applications for membership of Beijing Aero-top Hi-Tech Co., Ltd, People's Republic of China and Shanghai Aerospace Satellite Application Co., Ltd, People's Republic of China (industrial membership) and National Mobile Communications Research Laboratory, Southeast University (associate membership), provided that the Councillor for China give permission in the next few months.

15.2. Resignations from membership

Input paper C64-15.2 refers.

Secretary-General Francis Zachariae invited the Council to note the resignations from industrial membership.

The Council noted the resignations from industrial membership received from Cybernetica AS, Estonia; Intrasoftware International SA, Greece; and Fendercare Marine, UK.

15.3. Terminations of membership

Input paper C64-15.3 refers.

On advice by the Finance and Audit Committee:

The Council terminated industrial membership of Corilla Plastics, UK; Safe Sea Services, United Arab Emirates; Marit SA, France; PT Intechnico, Indonesia; and PT Rayo Adadi, Indonesia.

The Council terminated associate membership of Instituto Nacional de Canalizaciones, Venezuela.

16. IALA COMMUNICATION TOOLS

16.1. IALA Website

Secretary-General Francis Zachariae reported briefly on the recent upgrade of the IALA Website that now includes a file sharing area for sharing documents during meetings.

The Council **noted** the information provided.



16.2. IALA Bulletin

Secretary-General Francis Zachariae confirmed that the printed version of the IALA Bulletin would appear twice a year only – in June and December, from 2017. A new e-Bulletin circulated to all 5000+ registered users of the IALA Website would alternate with the printed Bulletin with 4 to 6 editions a year.

The Council **noted** the information provided.

17. ANY OTHER BUSINESS

17.1. IMO FAL Committee

The Councillor for Australia mentioned the report of the IMO FAL Committee and recommended that the Secretariat forward the report to the ENAV Committee to investigate if it is relevant to the work of the Committee.

Action item 13:

The Secretariat to forward the report to the ENAV Committee to investigate if it is relevant to the work of the Committee.

17.2. International AtoN Day

The President, speaking on behalf of Puertos del Estado, suggested submitting to the next General Assembly a proposal for the establishment of an International AtoN Day for the recognition of the work done by the AtoN Authorities. A proposal would be developed for Council 65. The proposal was supported by the Councillor for Chile.

The Councillor for Australia suggested taking into account that there already exists an international lighthouse day and research on this topic should be done.

18. DATES AND PLACES FOR NEXT MEETINGS

The President confirmed the dates and places for the next Council meetings as follows:

Session 65: 11-15 December 2017 IALA Headquarters

Sessions 66 and 67: in May 2018 in Korea in conjunction with the IALA 2018 Conference

Session 68: 10-14 December 2018 IALA Headquarters

The President closed the meeting at 12h00 on Friday 16th June 2017, thanking all participants for their attendance and the host for their wonderful arrangements.

ANNEX A – AGENDA FOR THE MEETING

62ND SESSION OF THE IALA COUNCIL

APPROVED AGENDA

ITEM		ACTION REQUESTED
1.	PRESIDENT'S OPENING REMARKS ^(a)	
2.	APOLOGIES FOR ABSENCE ^(a)	Note
3.	APPROVAL OF THE AGENDA	
3.1	Draft Agenda	Approve
3.2	Draft programme	Note
4.	VACANT POSITIONS WITHIN COUNCIL	Elect
5.	REPORT OF THE 63rd SESSION	
5.1	Matters arising from the session	Note
6.	NATIONAL MATTERS	Note
7.	REPORT BY THE SECRETARY GENERAL	Note
8.	STRATEGY AND POLICY	
8.0	Report of the Strategy Drafting Group	Note
8.1	Policy Advisory Panel	Consider
8.1.1	Report of PAP33	
8.1.2	Strategic Vision 2018-2026	Consider
8.1.3	Position on the Development of AtoN Services	Note
8.1.4	Recommendations Plan	Note
8.1.5	Committee structure 2018-2022	Note
8.2	IALA Advisory Group on change of status	Note
8.2.1	Pre-Diplomatic Conference April 2017	Note
8.2.1.1	The point of view of the industrial members	Note
8.2.2	Status of action plan	Note/Approve
8.2.3	Road map	



ITEM		ACTION REQUESTED
8.3	Legal Advisory Panel (LAP)	Note
8.4	Technical documents	Note/Consider
8.4.1	Draft IALA Standards	
8.5	Term and termination of Committee Chair and Vice Chair appointments	Note Approve
9.	FINANCIAL MATTERS	
9.0	2016 audited financial statements	Note
9.1	Revised 2017 budget	Approve
9.2	Cash flow situation as of 31 May 2017	Note
9.3	Annual Membership Contribution	Note/Approve
10.	INDUSTRIAL MEMBERS COMMITTEE	Note
11.	IALA TECHNICAL ACTIVITIES	
11.0	ARM	Note/Approve
11.1	ENG	Note/Approve
11.2	VTS	Note/Approve
11.3	ENAV	Note/Approve
11.4	e-Navigation Underway	
11.4.1	Coordination of the e-Navigation Underway events	Note
11.4.2	e-Navigation Underway International	Note
11.4.3	e-Navigation Underway Asia-Pacific	Note
12.	IALA WORLD-WIDE ACADEMY	
12.0	Progress report and future actions	Note
12.1	Academy Risk Register	Note
12.2	AtoN text books for WWA capacity building	Note
13.	INTERNATIONAL	
13.0	IMO	
13.0.1	NCSR4	Note
13.0.2	MSC98	Note
13.1	ITU	Note

ITEM		ACTION REQUESTED
13.2	IHO	Note
	13.2.1 IHO meetings	Note
	13.2.2 IMO-IHO High Level Group on Data Modelling	Note
	13.2.3 S200 report	Note
13.3	Arctic Matters	
	13.3.1 Arctic Council	Note
	13.3.2 IALA Arctic Seminar	Note
13.4	EfficienSea 2 project	
	13.4.1 Status report	Note
13.5	FERNS	Note
13.6	Resilient PNT Forum	Note
13.7	APHoMSA	
	13.7.1 Report of meeting in Malaysia	Note
14.	IALA CONFERENCES AND SYMPOSIA	
	14.0 2018 IALA Conference – Korea	Note
	14.1 2020 IALA VTS-e-Navigation Symposium – The Netherlands	Note
	14.2 2022 IALA Conference – Brazil	Note
15.	MEMBERSHIP	
	15.0 Applications for Membership	Approve
	15.1 Resignations from Membership	Note
	15.2 Terminations or suspensions of Membership	Decide
16.	IALA COMMUNICATION TOOLS	
	16.0 IALA Website	Note
	16.1 IALA Bulletin	Note
17.	ANY OTHER BUSINESS	
18.	DATES AND VENUES FOR NEXT MEETINGS	Note



ANNEX B – LIST OF PARTICIPANTS

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ANNEX C – MINUTES OF STRATEGY DRAFTING GROUP MEETING OF 12 JUNE 2017

Opening of Meeting

The Chair, Mr Christian Forst, Germany, opened the meeting at 1330, and welcomed participants.

Participants

The meeting was attended by the IALA President and by Councillors or their delegates from

- Brazil
- China
- India
- Ireland
- Korea
- South Africa
- Sweden

and from the Secretariat by the Secretary-General, Deputy Secretary-General, and the Events and Documents Co-ordinator.

Discussion

The Strategic Vision for IALA

The Chair asked the Deputy Secretary-General to review the current work on up-dating the 2014-2026 Strategic Vision. The DSG made a brief PowerPoint presentation.

The work of the Strategy Drafting Group

The Chair then reminded the meeting that the Strategy Drafting Group should develop a high-level strategy document, looking twelve to twenty years ahead, considering the needs and expectation of the members, addressing the major challenges of the maritime world, and identifying IALAs role and contribution.

The purpose of such a high-level strategy document would be to:

- Provide a high level strategic framework for IALA which will assist the correct focus and direction of the IALA Strategic Vision
- Illustrate to members, potential members, and stakeholders that IALA is the global centre of excellence with respect to AtoN.
- Give guidance for the Secretariat when prioritizing resources

He continued by providing some examples for areas IALA/IALA members may have a strategic interest in:

- Automatic and Autonomous shipping
- Smart Shipping, Smart Ships and future Maritime Intelligence
- Digitalization and Maritime 4.0
- Mobile Internet, 5G, and other commercial space and terrestrial communications development
- Commercial Global Logistics Data Backbone
- Ship owners operating their own fleet operation centre, world-wide tracking, world-wide communication
- Cyber Security on board and on shore and in between
- Shorter life cycle for technology
- Long decision processes, e.g. IMO, but much faster developing challenges and opportunities
- Coastal surveillance: maritime security overwriting maritime safety
- Environmental protection: reduced space for shipping – increased risk
- R&D: too expensive for a single administration: cooperation, coordination?

In the area of “Domestic” strategy he gave examples of the following.

- Exodus of national members willing or able to provide chairs and vice chairs for IALA Committees: more associate and industrial members filling the gap

- World-wide continuous loss of competence in the field of visual aids to navigation
- Increasing dependency on industrial partners
- Two different worlds: Traditional AtoN vs. AIS, ship reporting, VTS, E-Nav, etc.
- IALA Committees: More than 100 participants more than 100 papers handling almost impossible

Letter to IALA members

A letter to all IALA members, seeking views on high-level factors for IALA to consider in its strategy deliberations was agreed by the meeting, and will be mailed shortly. Refer to the Annex. The Strategy Drafting Group will consider the member's responses at its next meeting in December 2017.

Closing of the meeting

There being no other business, the Chair closed the meeting at 1445.



To National Members, Associate Members and Industrial members

Our ref: 17-167

Saint Germain en Laye, 12 June, 2017

Dear IALA Member,

Subject: IALA'S STRATEGIC VISION "Successful voyages, sustainable planet"

IALA's aim is to foster the safe and efficient movement of vessels through the improvement and harmonisation of marine aids to navigation worldwide, and by other appropriate means.

IALA gathers together marine aids to navigation authorities, manufacturers, consultants, and scientific and training institutes from all parts of the world and offers them the opportunity to exchange and compare their experiences and achievements.

IALA encourages its members to work together in a common effort to harmonise aids to navigation worldwide and to ensure that the movements of vessels are safe, expeditious and cost effective while protecting the environment in a sustainable manner. IALA recognises that the maritime industry is going through a stage of rapid technological development and change, e.g. e-Navigation, Autonomous Shipping, Digitalization, etc. The increasing complexity and amount of information available to the navigator emphasises the need to take into account the possibility of information overload and confusion during the design of new and innovative aids to navigation. Cyber Security is a serious issue and has to be taken into account.

In November 2013 the IALA Council approved IALA's Strategic Vision 2014 - 2026 which was presented to the IALA General Assembly in May 2014. (See attachment)

It is the strong belief of the IALA Council, that close cooperation and continuous information exchange between all IALA Members are key factors to meet IALA's aims and to serve all IALA members best possible.

A close cooperation is essential for IALA and the IALA members.

The IALA Council is seeking your support and input!

To draft a high level Strategy for the next twelve to twenty years for IALA as the centre of excellence in marine aids to navigation the Council is kindly asking all IALA members to provide their answers to the following questions.

1. What are the most challenging developments in the **international maritime world** IALA should consider?
2. What are the areas of strategic interest specific to your **country or region** for the next twelve to twenty years (technology, economy, environment,.....) that should be considered by IALA?

3. Are there any other factors that should be taken into account in a high level IALA strategy?

The IALA Council would very much appreciate if you could provide your input to the questions before **end of October 2017** to the IALA Secretariat: contact@iala-aism.org. All input will be reviewed and used to inform the process of drafting the high level strategy and maintaining the strategic vision for IALA.

Thank you very much for your contribution!

Yours sincerely,

Dipl. Ing. Christian Forst
Chair of the IALA Council Strategy, Working Group



ANNEX D – ACTION ITEMS

1. *The Secretariat to develop, with the support of the Chair of the Legal Advisory Panel, forms for*
 - *a statement outlining the credentials of the National member for a position on the Council*
 - *a statement outlining the credentials of the person to represent the National members**and have them approved by the Council by correspondence to be circulated to all National members six months prior to the General Assembly.*
2. *The Councillors are invited to send to the Secretariat, in writing and by 31st July, any comments they may have on input papers:*
 - *C64-8.1.2.1: Draft Strategic Vision 2018-2022;*
 - *C64-8.1.3.1: Position on the Development of AtoN Services; and*
 - *C64-8.1.5.1: Committee Structure 2018-2022.*
3. *The Secretary-General to consider what would be the costs associated with the introduction of additional working languages.*
4. *The Councillors are invited to send to the Secretariat, in writing and by 31st July, any comments they may have on the seven draft IALA Standards.*
5. *The Secretariat to amend the Preamble in draft Recommendation R-1001 – The IALA Maritime Buoyage System to make reference to IMO SN.1/Circ.297.*
6. *The Secretariat to refer draft Recommendation R-1001 – The IALA Maritime Buoyage System back to the ARM Committee for a description of isolated danger marks to be inserted.*
7. *The Council to submit any comments on the draft submission to IMO MSC on the revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Service, to the Secretariat, in writing and no later than 31st July 2017.*
8. *The Secretariat to finalized the draft submission to IMO MSC on the revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Service, drawing on the comments received, and circulate the revised draft to all National members in order to identify sponsors, and have the paper submitted to IMO by the deadline for MSC99.*
9. *The Secretariat to forward the liaison note to Sister Organizations, together with the draft Guideline on Specification of e-Navigation Technical Services, to get comments that would be referred to the ENAV Committee.*
10. *The Secretariat to consider with IHO and the ENAV Committee the relevance of sending a liaison note on Maritime Service Portfolios to the proposed organizations.*
11. *The Secretary-General to investigate the reasons why the IALA application for observer status at the Arctic Council had been rejected.*
12. *Councillors to consider if abstracts of Conference papers on autonomous vessels could be submitted by their respective organisations by 31st July.*
13. *The Secretariat to forward the report to the ENAV Committee to investigate if it is relevant to the work of the Committee.*

ANNEX F – RECORD OF DECISIONS OF THE 64TH SESSION OF THE IALA COUNCIL

Ms KIM Youngshin was unanimously elected IALA Vice President for the period ending with the 13th IALA General Assembly scheduled in 2018.

The Council approved to have definitions of terms in the individual IALA documents again.

The Council approved the addition to the Basic Documents – General Regulations, Article 6.2 the addition of the following three sentences:

4. Appointments of Committee Chairs and Vice Chairs will expire at the end of each four-year work period immediately prior to a General Assembly.
5. The term for Committee Chairs and Vice Chairs should not exceed two work periods, that is eight years.
6. Termination of the appointment of a Committee Chair or Vice Chair may be made for cause by the Council on the advice of the Secretary-General.

The Council approved the revised budget for 2017.

The Council approved the membership contributions for 2018 as: EUR 15,700 for national members (3% increase); EUR 6,350 for industrial members (2.91% increase); and EUR 3,070 for associate members (3% increase).

The Council appointed Cdr. Justin Kimura of the US Coast Guard Vice Chair of the ARM Committee until the end of the current work period 2014-2018.

The Council approved IALA Guideline G1122 – The Use of Pictograms on Aids to Navigation.

The Council approved IALA Recommendation R1009 – Disaster Recovery.

The Council approved IALA Guideline G1120 – Disaster Recovery.

The Council approved IALA Recommendation R1010 – The Involvement of Maritime Authorities in Marine Spatial Planning (MSP).

The Council approved IALA Guideline G1121 – Navigational Safety within Marine Spatial Planning.

The Council approved IALA Guideline G1124 – The Use of Ports and Waterways Safety Assessment (PAWSA) MkII Tool, with an editorial correction on Page 4.

The Council approved IALA Guideline G1123 – The Use of IALA Waterway Risk Assessment Programme (IWRAP MkII), and revoked IALA Recommendation O-134.

The Council approved the IALA Recommendation R1001 – The IALA Maritime Buoyage System, after its preamble has been amended to make reference to IMO SN.1/Circ.297 and after a description of isolated danger marks has been added. The Council also approved that any further changes to this Recommendation would require General Assembly approval.

The Council approved IALA Recommendation R1002 – Risk Management for Marine Aids to Navigation.

The Council approved the IALA Recommendation R0130 – Categorisation and Availability Objectives for Short Range Aids to Navigation.

The Council approved the IALA Guideline G1004 –Level of Service.

The Council approved the IALA Recommendation R1004 – Environmental Management in the Provision of Marine Aids to Navigation and the revised IALA Guideline G1036 – Environmental Management in Aids to Navigation.

The Council approved the IALA Recommendation R1005 – Conserving the Built Heritage of Lighthouses and other Aids to Navigation as amended at the meeting.

The Council approved the IALA Recommendation R0106 – Retroreflecting Material on Aids to Navigation Marks within the IALA Maritime Buoyage System.



The Council approved the following revised Model Courses:

- L2.1.14 – Aids to Navigation – Technician Training Level 2 Module 1 Element 1.14 – An Introduction to Shore Marks;
- L2.5.1&2 – Aids to Navigation – Technician Training Level 2 Module 5 Elements 5.1 & 5.2 –Introduction to Coatings and Specifications; Surface Preparation;
- L2.2.4 – Aids to Navigation – Technician Training Level 2 Module 2 Element 2.4 – Wind Generators;
- L2.2.5 & 6 – Aids to Navigation – Technician Training Level 2 Module 2 Elements 2.5 & 2.6 – Mains AC Utility Power Systems; Diesel and Petrol Generators; and
- L2.2.7 – Aids to Navigation – Technician Training Level 2 Module 2 Element 2.7 – Lightning Protection.

The Council approved the renaming of the VTS Committee work task 2.3.1 - to provide a “Guideline on the technical interface between VTS systems and the systems of other stakeholders” - to “Guideline on technical aspects of VTS information exchange between VTS and allied or other services”.

The Council approved the submission to the IMO MSC on an update of MSC Circular 1065 on the IALA standards for training and certification of Vessel Traffic Service (VTS) personnel.

The Council approved the withdrawal of IALA Guideline 1032 – Aspects of Training of VTS Personnel Relevant to the Introduction of the Automatic Identification System.

The Council approved the following procedure to handle the draft submission to IMO MSC on the revision of IMO Resolution A.857(20) – Guidelines for Vessel Traffic Services:

- the Council approve the paper in principle and direct the Secretariat to finalize it, taking into account the comments received from the Council
- the Secretariat then forward the revised draft to all IALA National members to seek sponsorship
- when sponsors are identified, seek Council approval by correspondence.

The Council approved the revised Recommendation R0103(V-103) – Standards and Certification of VTS Personnel.

The Council approved the removal of work task 1.2.1 – Preparation of a guideline on public and media relations in special/defined circumstances from the VTS Committee work programme.

The Council approved the change of name of VTS Committee task No. 1.1.6 from “Producing a Guideline on Measures to evaluate the effectiveness of a VTS” to “Producing a Guideline for setting and achieving VTS objectives”

The Council approved the IALA Recommendation R1011 – The Performance and Monitoring of eLoran Services in the Frequency Band 90-110 KHz.

The Council approved the IALA Guideline G1125 – The Technical Approach to Establishing a Maritime eLoran Service.

The Council approved the IALA Guideline G1087 – Procedures for the Management of the IALA Domain under the IHO GI Registry.

The Council approved the IALA Guideline G1106 – Producing an IALA S-200 Series Product Specification.

The Council approved the IALA Recommendation R0147 – Product Specification Development and Maintenance.

The Council approved forwarding the proposed liaison note to Sister Organizations, together with the draft Guideline on Specification of e-Navigation Technical Services, to get their comments and finalize the document at ENAV21.

The Council approved the IALA Guideline G1126 – Calculation of DGNSS Antenna Efficiency.

The Council approved the IALA Recommendation R-1007 – The VHF Data Exchange System (VDES) for Shore Infrastructure.

The Council approved the liaison note to IHO NIPWG on the use of mrn in S-201.

The Council approved the liaison note to IHO NIPWG on S-201 and the List of Lights.

The Council approved the liaison note to IHO NIPWG on Maritime Service Portfolios.

The Council decided to postpone the draft liaison notes to other Organizations on Maritime Service Portfolios, discuss the matter with IHO and the Committees and have the liaisons notes submitted again for approval – if relevant – at a later Council meeting.

The Council approved the liaison note for forwarding to CIRM together with the report on racons in busy harbours.

The Council approved the withdrawal of IALA Guidelines 1028 – AIS Volume 1, Part 1, Operational Issues and 1029 – AIS Volume 1, Part 2, Technical Issues.

The Council formally approved forwarding the liaison note to ITU-R WP5B, noting that it had been approved by correspondence and already submitted.

The Council endorsed the approval of national membership for Saudi Ports Authority.

The Council endorsed the approval of industrial membership for SAFRAN Electronics & Defence, France; innovative navigation, Germany; SICE s.r.l., Italy; Keumha Naval Technologies, Republic of Korea; Kronshtadt Technologies JSC, Russian Federation; and, Briggs Marine Contractors, United Kingdom.

The Council endorsed the approval of associate membership for DP World-Jebel Ali Port, United Arab Emirates.

The Council approved in principle the application membership of Raad Bushehr Engineering Co, Iran, and United International Trading and Contracting Co., Qatar, provided that they join as Industrial members.

The Council approved in principle the applications for membership of Beijing Aero-top Hi-Tech Co., Ltd, People's Republic of China and Shanghai Aerospace Satellite Application Co., Ltd, People's Republic of China (industrial membership) and National Mobile Communications Research Laboratory, Southeast University (associate membership), provided that the Councillor for China give permission in the next few months.

The Council terminated industrial membership of Corilla Plastics, UK; Safe Sea Services, United Arab Emirates; Marit SA, France; PT Intechnico, Indonesia; and PT Rayo Adadi, Indonesia.

The Council terminated associate membership of Instituto Nacional de Canalizaciones, Venezuela.



ANNEX G – TRADUCTION FRANCAISE DU POINT 4 DE L'ORDRE DU JOUR

4. FONCTION VACANTE AU SEIN DU CONSEIL

Le Président informe le Conseil que le Vice- Président en fonction a été forcé de démissionner, en raison de sa nomination à un autre poste au sein de son organisation mère.

Le document soumis sous la référence C64-4 présente la candidature, par le Ministère des océans et des pêches de la République de Corée, de Mme KIM Youngshin, Directrice de la Division aides à la navigation.

Il n'y a aucun autre candidat et le Conseil élit unanimement, sans procéder à un vote, Mme. KIM, Youngshin Vice-Présidente de l'AIMS jusqu'à la prochaine Assemblée générale devant se tenir en 2018.

Certifié conforme aux débats

Juan Francisco REBOLLO
Président de l'AIMS

Brigit GIJSBERS
Membre du Conseil





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Association Internationale de Signalisation Maritime