REPORT OF THE 36TH SESSION OF THE

IALA POLICY ADVISORY PANEL (PAP)

19 - 21 September 2018

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Policy Advisory Panel (PAP)
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Executive Summary

The 36th session of PAP was held at IALA Headquarters from 19th to 21st September 2018.

The meeting was updated on the latest decisions made at the General Assembly and Council that have an impact on the Committee work, especially the work programme for the next four years 2018-2022.

There was considerable work on the review of the Position on the Development of Marine Aids to Navigation Services, which will be forwarded to Council 68 for approval.

The work coordination table defining Committee responsibilities with regard to information services was reviewed and agreed.

Progress made in the revision of IMO Resolution A.857(20) on Vessel Traffic Services was noted as nearing completion with a submission to IMO planned for early 2020.

There was considerable discussions about the organisation of the work with regard to S-100 and S-200 Product Specifications, both in principle and in practice.

Consideration was given to the way in which IALA can contribute to the UN Sustainable Development Goals (UN SDGs) relevant to its work.

The Secretariat will be responsible for finalising the revised versions of the Navguide and the VTS Manual.

The Dictionary was renamed "index" and will be updated in three languages: English, French and Spanish.

The next PAP meeting will be held at IALA Headquarters from 11 to 13 February 2019.

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GENERAL

The 36th meeting of the Policy Advisory Panel was held from 19 to 21 September 2018 at IALA Headquarters, with IALA Deputy Secretary-General Michael Card as Chair and Events and Documents Co-ordinator Marie-Hélène Grillet as Secretary.

1. OPENING

1.1 Introductions and apologies

The Chair opened the meeting at 0950 on 19 September and welcomed the new PAP attendees, Chairs and Vice Chairs appointed by the Council in June 2018 for the next work period:

- Monica Sundklev and Dirk Eckhoff, Chair and Vice Chair, VTS Committee

- Christina Schneider, Chair, LAP

- Dave Lewald, ARM Vice Chair

- Michel Cousquer, ENG Vice Chair

The new IMC representative Chris Procter of Sealite Pty. was unable to attend and the IMC was represented by Malcolm Nicholson of the same company. There were no other apologies for absence.

All participants introduced themselves.

A list of attendees is provided at ANNEX B.

1.2 Approval of the agenda

The Agenda (input paper PAP36-1.2) was approved with the addition of one Agenda item under Any Other Business – Committee meeting dates for 2019. The approved Agenda is provided at ANNEX A.

1.3 Address by the Deputy Secretary-General

Deputy Secretary-General Michael Card introduced the purpose of the Policy Advisory Panel as defined at Annex D of the Basic Documents, reading its Terms of Reference and objectives:

- *PAP Terms of Reference*
    - *A Policy Advisory Panel will be established to provide policy advice for consideration by the Council and to co-ordinate the work of the IALA Committees.*
    - *The Policy Advisory Panel will be responsible to the Council.*

- *Objectives*
    - *The Policy Advisory Panel will:*
        - *Consider and advise the Council and Secretariat on policy and strategy matters concerning the development and harmonisation of aids to navigation systems, with specific emphasis on the Strategic Vision.*
        - *Co-ordinate the work of the Committees and provide a forum for Committee Chairs to share progress, challenges and operations of the Committees to provide a collegiate delivery of the various work plans with the Secretariat.*
        - *Carry out such other work as the Council may from time to time require.*

He went on with the remark that this was the first meeting of the new 2018-2022 work period, starting in ideal conditions with a revised Strategic Vision, a set of IALA standards, a work programme focused on deliverables, a new Committee structure and a "position paper" (Position on the Development of AtoN Services) to be revised at this meeting.

1.4   Address by the Secretary-General

Secretary-General Francis Zachariae reported briefly on the numerous developments that had taken place since the last PAP meeting.

- **19th Conference in Incheon, Republic of Korea**, which was a great success, thanks to all involved in the preparation and the running of the event.

- **General Assembly.** The Assembly elected the Council after a real competition between candidate National members. The General Assembly is more and more important, which is in line with the planned change of status. Three Council member were not re-elected and three were elected, two for the first time and one back on the Council after a four-year absence (Morocco, Singapore and Canada). The Assembly approved the revised Strategic Vision and the seven standards, with no discussion. The standards now need to be promoted within the membership.

- **World Marine Aids to Navigation Day**. The new initiative approved by the General Assembly will be implemented by the Secretariat as well and is a good promotion opportunity for the members.

- **Membership** was growing steadily with a record current number of 85 National members, 62 Associate members, 145 Industrial members and 47 Honorary members.

- The **new Committee structure** seemed to meet the expectation of achieving a better balance in participation in each Committee with 80 people "only" having registered for ENAV by the time PAP started.

- **IGO project:** two Preparatory Diplomatic Conferences had been held, each of them agreeing a road map. A third one will be held in Istanbul in March 2019 and there is a hope that it could be last step towards the Diplomatic Conference, which would be held in Paris and have the Convention opened for signature either later in 2019 or in 2020.

- **Secretariat reorganisation** was a Council requirement since a number of years. In addition the pressure on the Secretariat is higher with an extended portfolio for IALA and the upcoming transformation of IALA into an IGO requires the Secretariat employing more permanent staff instead of consultants. As a consequence Michael Card (Deputy Secretary-General), Stephen Bennett (WWA Vice-Dean), Seamus Doyle and Wim van der Heijden (Committee secretaries) will step down at the end of 2018. The reorganised Secretariat will have Omar Frits Eriksson as both WWA Dean and IALA Deputy Secretary-General, Kevin Gregory and Tom Southall – formerly of the Port of London Authority – sharing their time between the WWA and the Committees, with an emphasis on the Academy for Kevin Gregory and an emphasis on the Committees for Tom Southall. There was no recruitment process as both persons were available and highly competent for the jobs. Both will also follow the developments at IMO and in other appropriate international organizations.

- The IMO definition of **e-Navigation** dates back to 2005 and doesn't take into account the navigation efficiency aspect, which is the current trend. IALA should take care of both aspects, safety <u>and</u> efficiency.

- The previous remark led to an introduction to the **hype cycle** illustration, showing a great enthusiasm for new concepts, soon followed by a loss of interest, before interest rises again when projects are nearing completion or have been completed. It would be interesting to locate IALA projects on a hype cycle curve.

- **New developments**: IALA should achieve a balance between purely traditional navigation and autonomous navigation; be modern but also listen to mariners, ship-owners and pilots, and elaborate solutions that suit their needs.

Secretary-General Francis Zachariae concluded by stating that IALA needs to work on making shipping as safe as possible when manned ships become more autonomous and more digitalised. IALA needs to consider what shore services must be provided (resilient PNT, data modelling, connectivity, etc.). VTS is very important for the future, particularly when autonomous vessels come on the scene.

1.5   LAP

LAP Chair Christina Schneider explained that she took over LAP chairmanship after Jon Price had to retire. There is no change in Vice-Chairmanship, the position being still hold by Henning Osnes Teigene of Norway. She added that she had been working with the German Federal Administration of Waterways for more than years, maintaining close relationship with mariners.

The LAP is focusing on the IGO projects as its top priority, with the aim of having the Convention signed within one or two years. The Secretariat would have to work on the social protection aspects and the Headquarters agreement with the Government of France. Among the ongoing issues at LAP were patent issues and the European laws.

She concluded reaffirming that LAP is open to all questions from Committees, adding that proposing standard answers is not always easy because many aspects are dependent on national laws. A typical example was AIS data used as evidence at court cases.

The next years will be busy with the revision of the IMO Resolution A.857(20) and she expected that LAP would support the VTS Committee in addressing the legal aspects involved in such revision. Another subject for future work was the advent of autonomous ships.

1.6   Industrial Members Committee

IMC representative Malcolm Nicholson gave a feedback on the Incheon Conference and Exhibition from an industrial point of view. The Industry Innovation session was particularly well received, while the access to the exhibition area from the plenary and entertainments during the morning and afternoon breaks had a negative impact on the event's success. Another issue was the inability for the exhibition staff to enter the Conference plenary.

He then stated that the IMC will work more closely with all Industrial members.

This raised the issue of the quality of contact lists, which need to be regularly and carefully updated, and the Secretary-General answered that this is an issue that is being considered at the Secretariat.

1.7   World-Wide Academy

The Dean of the Academy Omar Frits Eriksson presented the tasks of the Academy, which focuses on Goal 2 of the Strategy Vision, concentrating on education and training, capacity building and R&D. With regard to the latter he explained that the Committees, when they have identified gaps in their works or resources, inform the Academy, which may come back with interested people.

Over 30 needs assessment missions have been carried out and as a result, the number of countries in needs decreases. Distance learning has been implemented with only one week of physical presence (normally at HQ) for the final exam and the exam principle will be reconsidered to have emphasis on understanding, rather than memory.

Future work will be on AtoN accreditation and training, VTS accreditation and training, Master course for AtoN Managers, Train the Trainer, exam principles, distance learning, missions and review missions with a focus on Africa.

The Academy is keen on mapping its activities to the UN initiative "Delivering as One".

The Academy implemented a quality management procedure.

2.   REVIEW OF INPUT AND INFORMATION PAPERS

A list of input papers is at ANNEX C. One late input paper relevant to Agenda item 7.6 Dictionary Management Group (DMG) was tabled at the meeting and then uploaded to the Website.

3. UPDATE ON ACTION ITEMS FROM PAP35

PAP noted the status of action items from PAP35 as provided at input paper PAP36-3.1. Comments were made on the following action items:

- No. 2 - *The Secretariat to add to input paper PAP35-5.3 all other documents published by IALA and make it an Excel file accessible by each Committee, which can be used as a document management tool, adding if possible progress monitoring.* This will require some time and may not be ready for the Committee meetings in October 2018.

- No. 8 - *Michael Card should send a request to LAP to get explanations on the details of the TrueHeading patent and to which it applies re. R-Mode and VDES.* There is a need to consider if IALA should be involved.

- No. 9 - *The Secretary-General should write to China MSA, explaining the concerns about Chinese patents on VDES.* China MSA indicated that another department was involved. There is a need however to raise the question again on the occasion of the next Council meeting.

- No. 5 - *Minsu Jeon to send Chairs and Vice-Chairs information on other S-2xx products and summarize the discussion with Nick Ward after their meeting of 27th February.* This was discussed under 7.2.2 and a workshop on the S-100 GI registry is planned by IHO in March 2019 in Denmark.

4. DECISIONS MADE BY:

4.1 Council 65

Decisions made by Council 65 regarding the new Committee structure and documents submitted to the General Assembly were reported by the Secretary-General as part of his address (refer to 1.4 above).

4.2 Council 66 & 67

Michael Card reported that Council 66, on top of finalizing the GA preparation, approved the revised budget for 2018 and the contributions rates for 2019. A Councillor remarked that more work would be needed on guidance for the marking of man-made offshore structures.

Dave Lewald, ARM Vice-Chair added that guidance may be needed from LAP on the way to mark wind farms.

The main tasks of Council 67 were to elect the President, Vice President, FAC and Treasurer, and to approve the Committee work programme for the next four years. Council 67 also appointed the Committee Chairs and Vice Chairs for the period 2018-2022.

4.3 13th General Assembly

Again the outcomes of the General Assembly were reported on as part of the Secretary-General address (refer to 1.4 above).

5. REVISION OF "POSITION ON THE DEVELOPMENT OF ATON SERVICES"

Michael Card introduced input paper PAP36-5.1, explaining that the paper complements the Strategic Vision and is available from the Website under Strategy. It is revised every six months and made publicly available after the revised edition has been approved by the Council.

Participants were invited to propose improvements to the document and this gave way to intensive work. The paper was edited and the revised version is at output paper PAP36-13.1.

Action item 1:

The Secretariat is requested to forward output paper PAP36-13.1 – Position on the Development of Marine Aids to Navigation Services to Council 68 for approval.

There was a remark about R-Mode testbeds, which were not on the Website.

Action item 2:

The Secretariat should arrange to add the Baltic R-Mode testbed project to the IALA testbeds webpage using the template in Guideline G1107.

6.   COMMITTEE INFORMATION AND INVITATIONS

Virginia Butler and Audrey Guinault, on behalf of the Secretariat informed the participants of new arrangements for Committee information and invitations, as follows:

- Online registration is now compulsory. Those who would come without prior registration will be required to register online, using the Internet facilities provided by the Secretariat.

- Circular information on Committee meetings will be sent to all, with one reminder only.

There was a request for practical information being freely available.

Action item 3:

The Secretariat should consider which information items may need to be moved to the unprotected area of the Website.

7.   COMMITTEE RESPONSIBILITIES AND COORDINATION

7.1   Digital Maritime Services

7.1.1   Coordination

Technical Operations Manager Minsu Jeon introduced input paper PAP36-7.1.1 describing Committee responsibilities with regard to information services.

There were some concerns about the correct understanding of the new distribution of tasks between Committees by the regular participants. A transitional period may be expected in order to ensure that the right people attend the right Committee(s).

With regard to port call messages, the technical and operational aspects of which were allocated to the ENAV Committee, PAP requested to divide both aspects between the ENAV (technical) and VTS (operational) Committees.

A final remark was made on the S-2xx series. Each product specification was allocated to a Committee, regardless of the fact they it is relevant to IALA or not. This is due to IALA being the domain owner and takes final responsibility.

7.1.1.1   *Maritime Services (MS) and Product Specifications (PS)*

Minsu Jeon reported that the VTS Committee was well advanced with three VTS descriptions (INS, TOS, NAS), which will be submitted to the second session of the IMO-IHO Harmonisation Group on Data Modelling (HGDM). Considerable expertise also exists in the ARM Committee and both are likely to run MS and PS in the period 2018-2022.

ARM may lead the work, coordinate with VTS and the other two Committees and the Secretariat would generally handle communication with IMO, IHO and others.

7.1.2   Work of the IHO-IALA HGDM2

7.1.2.1   *Draft plan for the IHO-IALA-IHMA submission to HGDM2*

Input paper PAP36-7.1.2.1 refers.

Michael Card presented the proposed timetable for the submission of the paper to IMO HGDM 2 by 16 October, which required Council's approval by correspondence by 16 October 2018, after the ENAV Committee had seen the draft.

The paper will be a joint IALA-IHO-IHMA submission and at the time of the PAP meeting there was an indication that WMO would join (input paper PAP36-7.1.2.3 refers).

7.1.2.2 *Draft IHO-IALA-IHMA submission to HGDM2*

Input paper PAP36-7.1.2.2 refers.

Minsu Jeon said that the descriptions relevant to IALA will be finalised at the next VTS Committee meeting, after careful check of the terms used. A coordination meeting with IHO will held before the paper submission.

7.1.3 Work on other MS templates within ARM Committee

Minsu Jeon reported that apart from the IMO submission, the ARM Committee will work on the IALA guideline, but the outcome may depend on the action undertaken by WMO, IHMA and IMPA.

7.1.4 Completion of the IALA guideline

Minsu Jeon said that completion of the IALA guideline on Maritime Services was now a task for the ARM Committee. The question of updates was raised but it seemed that updates would be mainly additions as it is likely that there will be more MS than now listed 16 Maritime Services in the draft guideline. The rest of the text would remain valid.

The guideline may be completed by December 2019.

7.2 Data modelling

7.2.1 S-100 & S-200 coordination

ARM Vice Chair David Lewald explained that the first version of S-101 (ENCs) was nearing completion and product specifications need to be finalised, including S-201. This has many requirements including database management for the conversion of individual databases to S-201.

The discussion focused on the data that should be carried by S-201; the options were to include all aspects of AtoN in S-201 or work with "layers" made of several databases, the mix of which would in the end provide the same information to the mariner.

ARM Vice-Chair Dave Lewald remarked that the charts belong to IHO and IALA can only advise on portrayal. He added that IALA was represented through him attending S-100 and NIPWG meetings on behalf of the US. He added that work on S-125 (originally for the list of lights) demonstrated that S-125 could carry more than list of lights and for example information on AtoN changes that could come as a "discrepancy layer" and ultimately replace Notices to Mariners. IALA should make this proposal to IHO, at the meeting planned on 24 September, and be represented at the relevant working group meetings. He suggested being the IALA representative for S-100 and NIPWG with Guttorm Tomren attending other relevant groups.

Action item 4:

IALA to make a proposal to IHO with a view to considering the replacement of traditional Notices to Mariners by additional information in S-125.

Action item 5:

Dave Lewald to represent IALA at S-125 and NIPWG meetings, and Guttorm Tomren at other relevant IHO working group meetings.

It was remarked that efforts will need to be made on quality assurance as responsibilities in S-125 and S-201 will lay with AtoN authorities and no longer with hydrographic offices.

7.2.2 Work by Korea (MOF & KRISO) in cooperation with IALA

Minsu Jeon explained that there were two MoUs, one with IALA and another one with US, Canada and the UK, with the reservation that US does not take direct part but is supporting the initiative. Once again the question of AtoN information being S-201 or added as a layer to S-101 was raised, with no firm answer given.

Product specifications developed in S-200 series should be recorded by IALA as domain manager. With regard to S-210 – VTS, individual VTSs will input their data in the model.

The Korean seconded officer Jin-Gee Jeon presented the plan of the S-200 testbed in Korea.

Action item 6:

The IALA Secretariat should cooperate with Korea and plan to upload the S-200 testbed plan on the test bed section of Website, when available and agreed by the ARM Committee.

7.2.3   S-211 Port Call message and VTS operations

Input papers PAP36-7.2.3.1 and PAP36-7.2.3.2 refer.

Michael Card reported that STM was keen to cooperate in S-211, which was agreed. S-211 was allocated to the VTS Committee but does not require urgent work.

7.2.4   Maritime Resource Names

Minsu Jeon said that IALA is issuing name spaces to organizations and such name spaces should be sustainable in order to work in the long term. Only three MRNs had been assigned and a process was needed for submissions. A guideline should be developed in ARM and ENAV.

Action item 7:

The Secretariat should work on a submission process for MRN and develop guidelines on how to register for the relevant Committee (ARM and ENAV).

7.3   Connectivity

7.3.1   VDES status and the attitude of coastal authorities

Input paper PAP36-7.3.1 refers.

Hideki Noguchi explained that VDES is developed as an IMO recognized data exchange system. IALA is developing the principles while private companies are developing the products to start broadcasting.

Michael Card added that VDES is a closed and secure system.

Action item 8:

The Secretariat to submit PAP36-7.3.1 to ENAV22 as an input document.

7.3.2   VDES operation trials

Input paper PAP36-7.3.2 refers.

Hideki Noguchi said that operational trial results were available from Singapore and China, and maybe other sources.

7.3.3   3GPP

Input papers PAP36-7.3.3 and PAP36-7.3.3.1 refer.

Minsu Jeon reported that 3GPP Project (3rd Generation Partnership Project) on telecom standardisation had requested that IALA join it as a vertical of maritime community as Market Representation Partner (MRP), but it was recognized that IALA cannot represent the whole maritime domain. IALA could however be MRP for coastal States (the users). The benefit of being an MRP is the possibility of joining 3GPP high level meetings. IALA may be represented by a Secretariat staff member or a regular ENAV participant.

It was noted that 3GPP 5G standardisation does not compete with VDES. The 3GPP "ambassador" Ms Koo and other representatives from 3GPP will join and make a presentation at ENAV22.

Action item 9:

The Secretary-General should discuss with 3GPP for IALA being a Market Representation Partner (MRP) for the coastal States, and consider if the Industrial members should be involved.

Action item 10:

The ENAV Committee secretary should plan for a presentation slot on 3GPP during a plenary session of ENAV22.

7.3.4 Maintaining awareness of connectivity developments affecting promulgation of MSI

Michael Card said that it was a good time to have a summary report of communication channels for MSI, using the recently updated Maritime Radio Communication Plan, supporting the Position on the Development of AtoN Services. This may be a task for the ENAV Communications working group.

7.3.5 AMRDs (Autonomous Maritime Radio Devices) and MAtoN (Mobile marine Aids to Navigation)

Input paper PAP36-7.3.5 refers.

ARM Chair Phil Day reported on the concerns about AMRD spreading to AIS and MAtoN and Hideki Noguchi added that he was also concerned about IMO's position on AMRDs.

IALA drafted a document providing some technical and operational guidance on AMRD. Work had started within the ENAV Committee and would be forwarded to ARM. A note was sent to ITU in May 2018.

ENAV Vice-Chair Jorge Arroyo commented on deliberations at IMO-ITU JEG14, and a previous liaison from ITU WP5B. The ITU was still seeking further input from IALA and IMO on how to distinguish between MAtoN and AMRD. He requested that ARM takes this into consideration in drafting IALA's response and subsequent input to the ITU WP5B meeting and IMO NCSR6.

7.3.6 VDES and R-Mode positioning

ENG Chair Simon Millyard reported that ENAV working group 3 had held an intersessional meeting on VDES R-Mode in June. The meeting identified that there are a number of technical options being considered in terms of how the timing element will be added to the VDES signal structure. VDES offers some technical advantages to AIS when adding a ranging signal; the higher data rate may be one of those, along with the wider bandwidth and the lack of a legacy user to maintain. It is quite early days technically and the ENAV Communications working goup and the ENG Radionavigation Services working group will work together in order to shape the user and system requirements for this new system.

The Baltic Sea project aims to develop an R-Mode test bed considering MF, AIS and potentially VDES R-mode variants. The Baltic Sea project is Interreg funded, started in Oct 2017 and will run until September 2020. The project is currently considering options and background information, and therefore results to date are limited in terms of technical developments. The project is led by the German Aerospace Centre (DLR), which is an IALA member, and the Project Manager, Dr Gewies, attends the Radionavigation Services WG and provides regular updates on progress. Dalian Maritime University in China has worked on AIS ranging and continues to develop its approach, which is analogous to R-Mode. Representatives of DMU presented at the ENAV WG intersessional and are expected to attend the next ENG meeting. Other IALA members are actively working on R-Mode at a local level and provide updates to the Radionavigation Services WG.

He expected to receive more information on R-Mode developments at the next ENG.

Minsu Jeon reported that the question of accuracy was raised at the intersessional meeting. There is no accuracy requirements for R-Mode or other backup systems. There would be a need to define accuracy requirements for navigation and mooring.

7.3.7 Far East Radionavigation Service (FERNS)

Michael Card said that there would be great benefits to maritime safety and efficiency in implementing the Resolution passed in Busan in 2016, with emphasis on:

- Development and harmonisation of digital maritime services provided by coastal authorities
- Development of VDES and other communication channels for the promulgation of digital maritime services
- Development of harmonised resilient PNT services using VDES and MF beacons
- Close co-operation with the IALA Committees.

He added that he would represent IALA at the next meeting, supported by Marie-Hélène Grillet. In the future Minsu Jeon will be the IALA representative and meeting moderator.

7.3.8   Maritime Connectivity Platform

Omar Frits Eriksson presented the Maritime Connectivity Platform (previously known as "Maritime Cloud"), a concept that had not yet been endorsed by IALA. The Maritime Connectivity Platform is mainly intended for machine-to-machine communication. The platform will be managed by an independent consortium similar to the WWW consortium. It could be a valuable platform for MSI, the process of which does not work well in developing countries, especially the WWA target States.

The comments made concerned:

- The NAVTEX web that already exists
- The development of S-124 for the harmonisation of the uploading of information to systems like NAVTEX
- The coordination of maritime safety information dissemination.

It was therefore agreed that the ENAV Committee should propose a global view on the ways to disseminate maritime safety information, not going into technical details of MCP or 3GPP for example, with a conclusion on what is needed in terms of maritime safety information and AtoN information.

The ENAV Committee should also prepare a discussion paper for PAP37.

Action item 11:

The ENAV Committee should propose a global view on the ways to disseminate maritime safety information, not going into technical details of MCP or 3GPP for example, with a conclusion on what is needed in terms of maritime safety information and AtoN information.

Action item 12:

The ENAV Committee should also prepare a discussion paper for PAP37 on the ways to disseminate AtoN information.

7.4   IMO Resolution A.857(20)

Input paper PAP36-7.4 refers.

VTS Chair Monica Sundklev reported that the VTS Committee had an intersessional meeting and prepared an input paper to VTS45. A correspondence group had been set up, which comprised 34 members. A Workshop was proposed to give a chance to those who were unable to take part in the group to review the draft revised Resolution for Vessel Traffic Services. Such a Workshop, if confirmed, should be at IALA Headquarters.

The revised Resolution should be a higher level document, referring to IALA training and standards. It would explain VTS in terms of functions for the mariners to be sure of what they can expect from a VTS.

Another issue was the term "service", which enables the ship master to simply ignore the advice given by the VTS. Some administrations decided to use the terms traffic "assistance" or traffic "organisation".

Monica Sundklev finally mentioned that the VTS Committee meeting dates in the end of 2019 should take account of IMO NCSR7, which may meet in January 2020. The Committee will need to meet sufficiently in advance to have its paper submitted to IMO within the deadline.

Christina Schneider requested that the draft paper be sent to the March 2019 LAP meeting as legal aspects could be affected and should be considered as well.

Action item 13:

The Secretariat should try and get tentative dates for NCSR7 from IMO.

Action item 14:

The VTS Committee should forward the draft revision of IMO Resolution A.857(20) to LAP19 to consider the legal aspects that could be affected as well.

7.5 Sea Traffic Management

Input papers PAP36-7.5.1, PAP36-7.5.1.1 and PAP36-7.5.2.1 refer.

Phil Day remarked that there remained a number of potential policy and legal issues with the concept of STM, which lay outside the remit of IALA. However the technology being developed very much fitted with IALA work on e-navigation and Maritime Services. It was agreed that IALA should continue to be involved with this aspect and focus on the technical issues of the concept.

7.6 Dictionary Management Group (DMG)

Minsu Jeon recalled that the first version of the Dictionary, which was published between 1970 and 1989, was in four languages, namely English, French, Spanish and German. It is important to have all terms and definitions in English, French and Spanish. A reference number for each term is needed to avoid confusion between similar terms having different meanings.

There was a short discussion about the amendment procedure and the correct title. Many participants had the feeling that it was an "index" rather than a "dictionary". Then no amendment procedure would be needed, the terms and definitions would be added as soon as they are appearing in new or revised documents approved by the Council. Existing French and Spanish equivalents would be added. The Committees would identify volunteers to translate new terms and definitions into French and Spanish. The current disclaimer would need to be amended in view of the three languages.

Action item 15:

LAP19 should update the current dictionary disclaimer in view of the three languages.

Action item 16:

The Secretariat should update the dictionary as an index and add the disclaimer to the main page following LAP19.

8. THE SECRETARIAT SHOULD UPDATE THE DICTIONARY AS INDEX.WORK PROGRAMME OF THE COMMITTEES

8.1 Review of work programme

Input paper PAP36-8.1 refers.

Michael Card explained that the new work programme, approved by the Council in June, is focusing on deliverables. No amendments were needed at this stage.

8.2 Management of tasks

Each Committee will continue to maintain its own task register and the Secretariat will update the main document as per action item 2 of PAP35.

9. INTERNATIONAL ORGANIZATIONS

9.1 IHO

9.1.1 Regular IHO-IALA Secretariat meetings

Input paper PAP36-9.1.1, report of the 1st IALA-IHO Technical Coordination Meeting, was noted.

9.1.2 Participation in meetings, IALA, IHO

David Lewald assured that he was prepared to encourage IHO participation in Committee meetings. Committee Chairs were invited to ask him when needed.

9.2 IMO

9.2.1 Reports of NCSR5 and MSC99

Input papers PAP36-9.2.1.1 and PAP36-9.2.1.2 refer.

Minsu Jeon reported that IALA had submitted two input papers to NCSR5. The term Maritime Service Portfolios was changed to Maritime Services (MS). It was decided to have IALA templates requesting domain coordinating bodies to submit their MS descriptions.

IALA also had two input papers to MSC99. Minsu Jeon drew the participants' attention to section 4.1, which gives the definition of MASS (Maritime Autonomous Surface Ships).

9.2.2 IMO Council

Input paper PAP36-9.2.2 was noted.

The reports on the IMO meetings should be sent to the Committees as input papers and it was agreed that the IALA accredited representative should make his reports available to the PAP members as soon as they are ready.

Action item 17:

The Committee secretaries to input their respective Committees with IALA reports on IMO MCSR5, MSC99 and Council 120.

9.3 ITU

Input paper PAP36-9.3 on ITU-R WP5B meetings was noted.

9.3.1 Joint IMO/ITU Experts Group on Maritime Communications Matters

Input papers PAP36-9.3.1.1 to PAP36-9.3.1.3 refer.

Hideki Noguchi, ENAV Chair, reported the result of 14th IMO/ITU joint expert meeting held from 3 to 7 September 2018 at the IMO HQ. He highlighted two issues. One was the relationship between Autonomous Maritime Radio Device (AMRD) and Mobile Aids to Navigation (MAtoN) and another was R-mode VDES for the possible agenda item of the World Radiocommunication Conference in 2023 (WRC-23). Both issues required IALA to liaise with ITU and IMO and ENAV Committee will draft the liaison document and send it ENG and ARM Committee for the finalization and the approval by the Council.

9.4 PIANC

Input paper PAP36-9.4.1 refers.

Francis Zachariae informed PAP that Geert van Cappellen was the new Secretary-General of PIANC. PIANC is an organization comprising individuals, with a very small Secretariat and the Secretary-General is a volunteer, working full time for the Ministry of Transport of Belgium. PIANC carries out very technical work on structures. There are some overlaps with IALA, especially where sea and inland waters meet.

It was agreed that the Technical Operations Manager should keep contact with PIANC and make sure that there is no duplication of work between PIANC and IALA.

Action item 18:

Minsu Jeon as Technical Operations Manager should keep contact with PIANC and monitor the developments to ensure that there is no duplication with IALA work.

9.5 IHMA

Input paper PAP36-9.5 was noted.

PAP also noted a growing interest of European countries in traffic management.

10. ANY OTHER BUSINESS

10.1 DGNSS update

Minsu Jeon reported that DNGSS information on the Website is updated every two years. Among the 75 registered countries 21 only had sent updates. Updates were encouraged.

Action item 19:

ENG Committee should request its participants to send DGNSS updates to the Secretariat.

Participants were then invited to update PAP on their respective DGNSS status and reported the following:

- US and Japan started to close down maritime and inland stations. An update will be sent every time a station has closed.
- France was refurbishing and updating to RTCM format but at the time had also closed one station.
- The Republic of Korea maintains 11 maritime reference stations and 6 inland reference stations.
- The UK was doing a survey to determine the future of its DGNSS.

During the general discussion that followed it was found necessary to review recommendation R-150 - DGNSS Service Provision, Upgrades and Future Uses, to give a clearer advice on the purposes for which the stations should be kept.

Action item 20:

The ARM Committee should identify solutions for the future use of DGNSS stations.

Action item 21:

The ENG Committee should review recommendation R-150 - DGNSS Service Provision, Upgrades and Future Uses, after solutions for such future uses have been identified by the ARM Committee.

10.2 IALA Navguide

Minsu Jeon reported that Navguide coordination had been taken over by the Secretariat. A common procedure was needed for both the Navguide and the VTS Manual. The procedure still needs to be developed and will be an input paper to PAP37.

Action item 22:

The Secretariat to plan for a separate PAP37 Agenda item for manuals updating coordination.

Action item 23:

The Committees are requested to assign coordinator of the chapters and inform the secretariat.

10.3 UN Sustainable Development Goals

Input paper PAP36-10.3 refers.

Minsu Jeon introduced the UN project which is the blueprint to achieve a better and more sustainable future and listed the goals to which IALA may contribute, namely:

- Goal No. 1 – No poverty (through the Academy)
- Goal No. 7 – Affordable and clean energy
- Goal No. 9 – Industry, innovation and infrastructure
- Goal No. 14 – Life below water
- Goal No. 17 – Partnerships for the goals.

There was then a discussion on how IALA could be involved. Joining the platform may generate a lot of work for the Secretariat and the Committees, while reformatting the current work to map it to the UN Sustainable Development Goals was easier, especially for the ENG Committee that had most of the documents concerned. A working group may do the necessary work.

Action item 24:

The ENG Committee in cooperation with Minsu Jeon should establish a sustainability working group to consider how IALA can contribute the UN Sustainable Development Goals.

10.4   Committee policy and procedure

Minsu Jeon said that the Committee policy and procedures would need to be amended in several places but the discussion focused on two items: the difference between the work programme and the work plans/task registers, and the deadline for submitting input papers.

With regard to the work programme it was decided not to mention the work plans and task registers in the procedures as they are internal to the Committees and would take the format that each Committee prefers.

The deadline for submitting papers was kept at one month before the meeting starts. Papers received after the deadline would be accepted at the Chair's discretion.

Action item 25:

The Secretariat should revise the Committee procedure keeping a four week notice for input papers and adding that acceptance of papers after the deadline will be at the discretion of the Chair.

A further concern was raised about the new European law on the dissemination of private data. PAP was not sure if this applies to the list of participants that are usual annexed to Committee meeting reports. The Secretariat should enquire about the possible impact on lists of participants.

Action item 26:

The Secretary-General should develop advice for the Committee Chairs after having consulted a lawyer on the possible impact of the European law on the dissemination of private data on the Committee participants' lists.

10.5   Meeting dates for 2019

Input papers PAP36-10.5 was reviewed according to the constraints imposed on some Committees. New dates were agreed and shown in output paper PAP36-13.2.

11.   REPORT OF PAP36

The report will be approved by correspondence.

12.   CLOSING OF THE MEETING

Francis Zachariae thanked all participants for a very valuable contribution to the meeting. He also expressed his gratefulness to Michael Card who would soon leave IALA with quite a number of results, the strategic vision and the set of standards being one of them.

Michael Card closed the meeting at 1150 on 21 September.

13.   LIST OF ANNEXES TO THE REPORT

1   Agenda
        A copy of the agenda is at ANNEX A.

2   Participants
        A list of participants is at ANNEX B.

3   Input papers
        A list of input papers is at ANNEX C.

4   Output papers
        A list of output papers is at ANNEX D.

5   Action items
        A list of action items is at ANNEX E.

ANNEX A   **AGENDA**

36th session of the IALA Policy Advisory Panel

<u>Dates and Purpose</u>

The 36th meeting of PAP will be held on 19, 20, and 21 September, 2018, at IALA Headquarters, St Germain en Laye, France. The objectives are to:

- Formulate advice for the IALA Council and Secretariat
- Coordinate the work of the IALA Committees to achieve the goals of the Strategic Vision
- Develop work programmes for the Committees for the period 2018-2022

Wednesday	2018-09-19	1000-1700
Thursday	2018-09-20	0900-1700
Friday	2018-09-21	0900-1300

PAP36 will be preceded by a meeting of the Steering Committee for the VTS-ENAV Symposium 2020 on Tuesday 18th 2018 from 1400 to 1700.

<u>Approved Agenda</u>

		Speaker	Action requested
1	Opening of Meeting		
	1.1 Introductions and Apologies		
	1.2 Approval of Agenda		
	1.3 Address by Deputy Secretary-General		
	1.4 Address by Secretary-General		
	1.5 LAP	CS	Note
	1.6 Industrial Members Committee	MN	Note
	1.7 World-Wide Academy	OFE	Note
2	Review of input and information papers 1	MHG	Note
3	Update on action items from PAP35	MHG	Note
4	Decisions made by:		
	4.1 Council 65	MDC	Note
	4.2 Council 67	MDC	Note
	4.3 13th General Assembly	FZ	Note
5	Revision of "Position on the Development of		

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1 Information papers, if any, are not intended for discussion

	AtoN Services"		MDC	Agree
6	Committee information and invitations		VB/AG	Note
7	Committee responsibilities and coordination			
	7.1	Digital Maritime Services		
		7.1.1 Coordination	MJ	Decide
		7.1.2 Work of the IMO-IHO HGDM		
		7.1.2.1 Draft plan for the IHO-IALA submission to HGDM2	MDC	Decide
		7.1.2.2 Draft submission to HGDM2	MJ	Note
		7.1.2.3 Participation of WMO to the joint submission to HGDM2	MDC	Note
		7.1.3 Work on other MS templates within ARM Committee	MJ	Consider
		7.1.4 Completion of the IALA guidelines		
	7.2	Data modelling		
		7.2.1 S-100 & S-200 coordination	DL	Decide
		7.2.2 Work by Korea (MOF & KRISO) in cooperation with IALA	MJ	Note
		7.2.3 S-211 Port Call message and VTS Operations		
		7.2.3.1 New leadership for IPCDMC	MDC	Note
		7.2.3.2 IPCDMC and IHMA	MDC	Decide
		7.2.4 Maritime Resource Names		
		7.2.4.1 Current status	MJ	
		7.2.4.2 Importance of the IHO view of MRN and the capacity problem Of S-100	MJ	Consider
		7.2.4.3 Ongoing development	MJ	Note
	7.3	Connectivity		
		7.3.1 VDES status and the attitude of coastal authorities	MDC	Consider
		7.3.2 VDES operational trials	HN	Consider
		7.3.3 3GPP	MJ	
		7.3.4 Maintaining awareness of connectivity developments affecting promulgation of MSI	MDC	Decide
		7.3.5 AMRDs and MAton	PD	Note
		7.3.6 VDES and R-Mode positioning	MDC	Note
		7.3.7 Far East Radionavigation Service (FERNS)	MDC	Note
		7.3.8 Maritime Connectivity Platform	OFE	Note
	7.4	IMO Resolution A.857(20)	MS	Note
	7.5	Sea Traffic Management		
		7.5.1 IALA guidance	PD	Decide

	7.5.2	Coordination within IALA and liaison with STM Validation project team	MDC	Note	
	7.6	Dictionary Management Group (DMG)	MJ		
8	Work programme for the Committees				
	8.1	Review of Work programme	All		
	8.2	Management of tasks	MDC	Agree	
9	International organizations				
	9.1	IHO			
	9.1.1	Regular IHO-IALA Secretariat meetings	MDC	Note	
	9.1.2	Participation in meetings, IALA, IHO	DL	Note	
	9.2	IMO			
	9.2.1	Reports of NCSR5 and MSC99	MJ	Note	
	9.2.2	IMO Council	MJ	Note	
	9.3	ITU			
	9.3.1	Joint IMO/ITU Experts Group on Maritime Communications Matters	HN	Note	
	9.4	PIANC			
	9.4.1	Advice on new PIANC working groups	MJ	Note	
	9.5	IHMA	PD and HN	Agree	
10	Any Other Business				
	10.1	DGNSS update	MJ	Note	
	10.2	IALA Navguide	MJ	Note	
	10.3	UN Sustainable Development Goals	MJ	Consider	
	10.4	Committee Policy and Procedures	MJ	Decide	
	10.5	Meeting dates for 2019	MHG	Decide	
11	Report of PAP36			Approve	
12	Closing of Meeting				

ANNEX B   **LIST OF PARTICIPANTS**

Secretary-General	Francis Zachariae	
	francis.zachariae@iala-aism.org	
Deputy Secretary-General	Michael Card	
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Dean, World-Wide Academy	Omar Frits Eriksson	
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Technical Operations Manager	Minsu Jeon	
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Events & Document Co-ordinator	Marie-Hélène Grillet	
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Committee Secretaries	Seamus Doyle	
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	Wim van der Heijden	
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Communication Officer	Audrey Guinault	
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PA to Secretary-General	Virginia Butler	
	virginia.butler@iala-aism.org	

ARM Committee	**Chair**	Phil Day
		phild@nlb.org.uk
	Vice-Chair	David Lewald
		robert.d.lewald@uscg.mil
ENAV Committee	**Chair**	Hideki Noguchi
		hideki.noguchi@gmail.com
	Vice-Chair	Jorge Arroyo
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ENG Committee	**Chair**	Simon Millyard
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	Vice-Chair	Michel Cousquer
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VTS Committee	**Chair**	Monica Sundklev
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	Vice-Chair	Dirk Eckhoff
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Legal Advisory Panel	**Chair**	Christina Schneider
		christina.schneider@wsv.bund.de
IMC		Malcolm Nicholson
		m.nicholson@sealite.com

ANNEX C LIST OF INPUT PAPERS

Meeting	Agenda Item	INPUT PAPERS
PAP36	1.2	Draft Agenda
PAP36	3.1	Update on action items from PAP35
PAP36	5.1	Draft revised "Position on the Development of AtoN Services"
PAP36	7.1.1	Committee responsibilities – Information services
PAP36	7.1.2.1	Draft plan for joint IHO-IALA submission to HGDM2
PAP36	7.1.2.2	Draft joint IHO-IALA submission to HGDM2
PAP36	7.1.2.3	Joint submission of draft template for maritime services to the IMO
PAP36	7.2.3.1	New Chair for IPCDMC
PAP36	7.2.3.2	IPCDMC and IHMA re. S-211
PAP36	7.3.1	The progress of VDES and the influence of AIS and mandatory carriage
PAP36	7.3.2	Draft proposal for VDES operational test-bed
PAP35	7.3.3	Maritime connectivity via 3GPP
PAP36	7.3.3.1	Technical report by 3GPP
PAP36	7.3.5	Draft report on ENAV-WG3/ARM meeting on AMRD/MAtoN in response to ITU
PAP36	7.4	Draft work plan for the review and amendment of IMO Resolution A.857(20)
PAP36	7.5.1	Sea traffic management and IALA
PAP36	7.5.1.1	Sea traffic management and IALA
PAP36	7.5.2.1	Concept not #16 on PortCDM
PAP36	7.6	IALA Dictionary
PAP36	8.1	Work programme for the Committees
PAP36	9.1.1	IALA-IHO Technical Coordination Meeting
PAP36	9.2.1.1	Report on IMO MSC99
PAP36	9.2.1.2	Report on IMO NCSR5
PAP36	9.2.2	Report on IMO Council 120
PAP36	9.3	Report on meetings of ITU-R WP5B
PAP36	9.3.1.1	Liaison statement to IMO, IALA, WMO, CIRM and Inmarsat on AMRD
PAP36	9.3.1.2	Note to the report on 14th Joint IMO-ITU Experts Group on Maritime Communications Matters
PAP36	9.3.1.3	Report on 14th Joint IMO-ITU Experts Group on Maritime Communications Matters

Meeting	Agenda Item	INPUT PAPERS
PAP36	9.4.1	New PIANC working groups
PAP36	9.5	IHMA data definitions 240518 follow-up
PAP36	10.3	United Nations Sustainable Development Goals
PAP36	10.5	Proposed meeting dates for 2019

ANNEX D   **LIST OF OUTPUT PAPERS**

Meeting	Agenda Item	OUTPUT PAPERS	Action
PAP36	11.1	Report of PAP36	To approve
PAP36	13.1	Position on the Development of Marine Aids to Navigation	To Council for approval
PAP36	13.2	Meeting dates for 2019	To Web Calendar
PAP36	13.3	Committee responsibilities information services	To all Committee Chairs and Vice Chairs

ANNEX E   **ACTION ITEMS**

1. The Secretariat is requested to forward output paper PAP36-13.1 – Position on the Development of Marine Aids to Navigation Services" to Council 68 for approval.

2. The Secretariat should arrange to add the Baltic R-Mode testbed project to the IALA testbeds webpage using the template in Guideline G1107.

3. The Secretariat should consider which information items may need to be moved to the unprotected area of the Website.

4. IALA to make a proposal to IHO with a view to considering the replacement of traditional Notices to Mariners by additional information in S-125.

5. Dave Lewald to represent IALA at S-125 and NIPWG meetings, and Guttorm Tomren at other relevant IHO working group meetings.

6. The IALA Secretariat should cooperate with Korea and plan to upload the S-200 testbed plan on the test bed section of Website, when available and agreed by the ARM Committee.

7. The Secretariat should work on a submission process for MRN and develop guidelines on how to register for the relevant Committee (ARM and ENAV).

8. The Secretariat to submit PAP36-7.3.1 to ENAV22 as an input document.

9. The Secretary-General should discuss with 3GPP for IALA being a Market Representation Partner (MRP) for the coastal States, and consider if the Industrial members should be involved.

10. The ENAV Committee secretary should plan for a presentation slot on 3GPP during a plenary session of ENAV22.

11. The ENAV Committee should propose a global view on the ways to disseminate maritime safety information, not going into technical details of MCP or 3GPP for example, with a conclusion on what is needed in terms of maritime safety information and AtoN information.

12. The ENAV Committee should also prepare a discussion paper for PAP37 on the ways to disseminate AtoN information.

13. The Secretariat should try and get tentative dates for NCSR7 from IMO.

14. The VTS Committee should forward the draft revision of IMO Resolution A.857(20) to LAP19 to consider the legal aspects that could be affected as well.

15. LAP19 should update the current dictionary disclaimer in view of the three languages.

16. The Secretariat should update the dictionary as an index and add the disclaimer to the main page following LAP19.

17. The Committee secretaries to input their respective Committees with IALA reports on IMO MCSR5, MSC99 and Council 120.

18. Minsu Jeon as Technical Operations Manager should keep contact with PIANC and monitor the developments to ensure that there is no duplication with IALA work.

19. ENG Committee should request its participants to send DGNSS updates to the Secretariat.

20. The ARM Committee should identify solutions for the future use of DGNSS stations.

21. The ENG Committee should review recommendation R-150 - DGNSS Service Provision, Upgrades and Future Uses, after solutions for such future uses have been identified by the ARM Committee.

22. The Secretariat to plan for a separate PAP37 Agenda item for manuals updating coordination.

23. The Committees are requested to assign coordinator of the chapters and inform the secretariat.

24. The ENG Committee in cooperation with Minsu Jeon should establish a sustainability working group to consider how IALA can contribute the UN Sustainable Development Goals.

25. The Secretariat should revise the Committee procedure keeping a four week notice for input papers and adding that acceptance of papers after the deadline will be at the discretion of the Chair.

26. The Secretary-General should develop advice for the Committee Chairs after having consulted a lawyer on the possible impact of the European law on the dissemination of private data on the Committee participants' lists.

IALA