



IALA POLICY ADVISORY PANEL

REPORT OF THE 47TH SESSION OF THE IALA POLICY ADVISORY PANEL (PAP)

13 - 15 September 2022



EXECUTIVE SUMMARY

The 47th session of PAP was held in person between 13 – 15 September 2022.

Key outcomes included:

- The review of entries in the IALA Dictionary.
- The latest versions of the standards.
- The future dates for the committees, PAP and other IALA events were agreed.
- A draft input to IMO regarding IALAs activities regarding MASS.

The PAP was also updated on many items including:

- The transition arrangements for IALA to go from an NGO to an IGO.
- The progress of the review of R1001 IALA Maritime Buoyage System.
- Maritime Resource Registry.
- Maritime Services.



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Report of the 47th Session of the IALA

Policy Advisory Panel

GENERAL

The 47th session of the Policy Advisory Panel (PAP) was held on 13 – 15 September 2022 in person, with IALA Deputy Secretary-General Omar Frits Eriksson as Chair and Thomas Southall as Secretary.

1. INTRODUCTION

1.1. WELCOME BY SECRETARY-GENERAL AND DEPUTY SECRETARY-GENERAL

1.1.1. WELCOME BY THE SECRETARY-GENERAL

The Secretary-General, Francis Zachariae, welcomed PAP members to the meeting. He stated that it was wonderful to see the PAP after the summer and that meeting face-to-face is IALAs preferred option combined with the benefits of hybrid working.

It is now a rather busy period with various events. Francis reported that planning for the transition period (for IGO) is well underway and of course preparations for the General Assembly next year in Rio. The work programme and new structure of the committees including the chairs' position will be agreed in Brazil and he urged the PAP to keep as much continuity as possible as we enter this transition period.

There will be a conference in the second half of 2024 in Tokyo to agree the new *General Regulations* for the new IGO. Also, the new terms of reference for the committees and subsidiary bodies will have to be drafted and agreed too soon.

Francis concluded that it is expected that France will be the 10th ratification for the IGO, and it is hoped that within a couple of years IALA will have the 30 ratifications required to become an IGO.

1.1.2. WELCOME FROM THE DEPUTY SECRETARY-GENERAL

The Deputy Secretary-General welcomed all members to the 47th session of the PAP and reaffirmed his commitment to physical meetings as the best way to gain understanding and consensus.

1.2. APPROVAL OF AGENDA

The agenda (input paper PAP47-1.2.1) was approved. The approved agenda is provided in ANNEX A.

1.3. APOLOGIES AND INTRODUCTIONS

Dirk Eckhoff, VTS Vice-chair submitted his apologies for the meeting..

2. REVIEW OF ACTION ITEMS

2.1. REVIEW OF ACTION ITEMS

The PAP Secretary, Thomas Southall, highlighted to the following PAP actions as ongoing:

From PAP44:

“That the Secretariat organize and host an inter committee group meeting on the GI registry proposals.

That the Secretariat amends the VTS Manual to reflect that only recommendations are normative or informative. Guidelines can never be normative or informative as they are a broad description of possible ways you may fulfil the provisions of a recommendation.

That the Secretariat provide an input paper to the committees regarding S-200 and the subsequent actions that the committees have to fulfil, particularly regarding the IHO GI register.”

From PAP46:

“That the Secretariat amends the structure of the IALA Position on the Development of AtoN Services document, make it comply with the Style Guide and finalize the changes as suggested by the PAP.

That the Secretariat forwards the document submitted by IALA to IMO NCSR9 on Maritime Services to all committees.

That the Secretariat submit draft amendments to the Basic Documents - Rules of Procedure - Terms of Reference Committees to capture any developments in IALAs working arrangements following the experience gained during the virtual committees.

That the Secretariat makes a list of all IALA documents with calculations within them for members to use and submit the list to the LAP.”

All other actions were reported as completed.

3. REVIEW OF INPUT PAPERS

3.1. REVIEW OF INPUT PAPERS

Members noted the auto-generated input paper list from the website.

4. REPORTS FROM OTHER BODIES

4.1. IALA

4.1.1. IALA COUNCIL

Minsu Jeon, IALA Technical Operations Manager, reported the results from Council 75.

It was noted that the *Liaison note to RTCM SC104 on R-Mode messages* submitted by the ENG Committee had been received back by the Committee. ENG will endeavour to review the comments made in order to submit the liaison note to Council for approval.

4.2. IMO

Minsu Jeon, IALA Technical Operations Manager, reported that the ninth session of the IMO NCSR Sub-Committee was held virtually from 21 to 30 June 2022, chaired by Mr. Nigel Clifford (New Zealand), supported by the vice-chair, Mr. A. Schwarz (Germany).

IALA had submitted four papers to this meeting:

- NCSR 9-7-2 - Development of Maritime Services descriptions (IALA)
- NCSR 9-12-9 - Proposal on WRC-23 agenda item 10 (IALA)
- NCSR 9-INF.12 - Report of the trial on digital voice communication in the maritime VHF band (IALA)
- NCSR 9-INF.13 - VDES ranging mode (R-Mode) (IALA)

Navigation WG matters

Development of Maritime Services descriptions: NCSR noted the input paper from IALA (NCSR 9/7/2) concerning the update of Maritime Services 1 (VTS Information service (INS)), 2 (VTS Navigational assistance

service (NAS)) and 3 (Traffic organization service (TOS)) into a new Maritime Service description for vessel traffic service (VTS) in accordance with the revised Guidelines for vessel traffic services (resolution A.1158(32)), and the development of a new Maritime Service description for aids to navigation (AtoN).

Noting that further work on the descriptions of Maritime Services was required, the Sub-Committee invited the Committee to extend the target completion year of output 2.11 "Consideration of descriptions of Maritime Services in the context of e-navigation" to 2023.

The Sub-Committee also invited interested Member States and international organizations to submit relevant proposals to NCSR 10 in order to update the description of Maritime Services in the context of e-navigation and finalize the revision of MSC.1/Circ.1610.

Revision of ECDIS Guidance and performance standards: The Sub-Committee finalized a revision of the ECDIS Guidance for good practice (MSC.1/Circ.1503/Rev.1) for submission to MSC for approval. The draft updated guidance includes, in particular, a new section on onboard ECDIS updates.

The updates to the performance standards introduce, in particular, the application of new IHO Data Standards and product specifications (S-98, S-100 and S-101) with regard to ECDIS equipment installed on or after 1 January 2029 and, optionally, for equipment installed after 1 January 2026 and before 1 January 2029.

Unlawful practices associated with fraudulent registration and registries of ships: The Sub-Committee noted that LEG 109 had invited MSC 105 to consider whether to investigate how ships without proper registration were able to obtain Maritime Mobile Service Identity (MMSI) numbers, in particular to manipulate Automatic Information System (AIS) data transmissions, and that, taking into account the technical nature of the issue, the Committee had agreed to refer the matter to the NCSR Sub-Committee for consideration and advice, as appropriate, and invited Member States and international organizations to submit relevant comments and proposals to the Sub-Committee (MSC 105/20, paragraph 2.7).

In this context, noting that MSC 105 was held after the deadline for submission of documents to NCSR 9, the Sub-Committee agreed to refer the matter to the Working Group on Communications for preliminary consideration and to advise the Sub-Committee, as appropriate.

Communications WG matters

ITU WRC 23: In connection with the draft IMO position on WRC-23 agenda item 10, NCSR had for its consideration on the three documents from IALA.

The draft IMO position on relevant agenda items of ITU WRC-23 concerning matters relating to maritime services was finalized, for approval by MSC 106 and submission to the ITU's Conference Preparatory Meeting for WRC-23. However, regarding the agenda item 10, NCSR instructed the IMO/ITU EG 18 to develop the IMO position and to advise NCSR 10 as appropriate.

The next World Radiocommunication Conference (WRC-23) will be held in the United Arab Emirates from 20 November to 15 December 2023.

Draft liaison statements to ITU on maritime radiocommunication matters were also approved. However, the liaison statements on the revision of Recommendation ITU-R M.1371-5, NCSR established a Correspondence Group coordinated by Mr. Stefan Bober (Germany) to submit a report, including a draft liaison statement to ITU-R Working Party 5B for consideration at NCSR 10

Other matters

IMO Member State Audit Scheme (IMSAS): NCSR noted that MSC 104 had instructed the NCSR to consider the proposal contained in documents MSC 102/22/3 (WMO) and MSC 103/20/9 (IALA), taking into account related mandatory requirements contained in IMO instruments, and advise the Committee accordingly, so that their inclusion in the appropriate IMSAS guidance materials could be considered (MSC 104/18, paragraph 17.17).

The Sub-Committee referred the document from IALA (MSC 103/20/9) for consideration at NCSR 10 and invited interested Member States and international organizations to submit relevant proposals, as appropriate.

The PAP noted the report and recalled the recent submission to IMO on the IMSAS manual. The appendix relating to VTS now needs updating to be aligned with the IMO VTS resolution. The VTS Chair affirmed the VTS Committee would undertake the task.

Action item:

That the VTS Committee undertake the review of IALAs input to IMO on the IMSAS Manual to reflect the new IMO VTS Resolution.

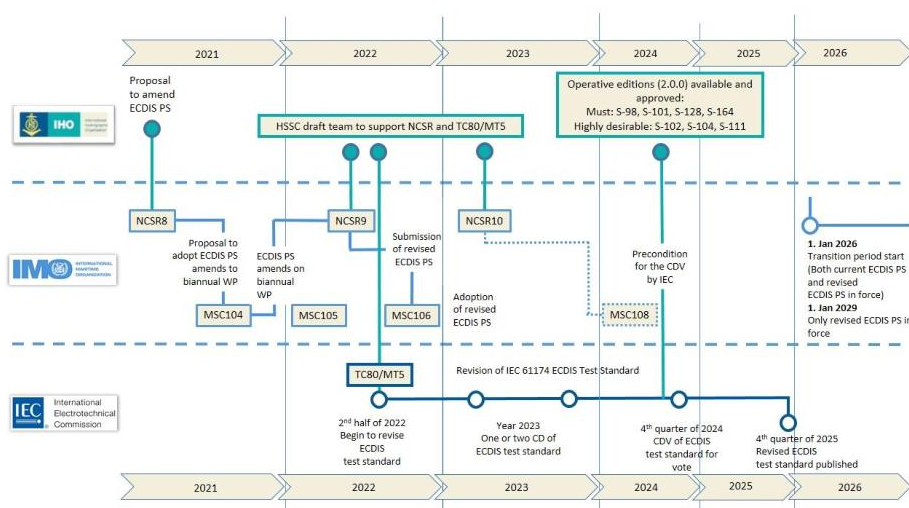
4.3. IHO

Minsu Jeon, reported that NCSR9 endorsed an implementation phase (Fig. 1) for the new resolution, including S-100, a transition period was agreed upon:

- S-100 based ECDIS will be legal to use after 1 January 2026 and
- from 1 January 2029 new systems must comply with the new IMO Resolution on ECDIS PS.

This gives IALA a time indication for when the ECDIS related elements of S-200 and S-201 should be ready.

Figure 1 ECDIS S-100 Based Timeline



4.4. ITU

Jorge Arroyo, ENAV Vice-chair, reported that IALA's liaison note on 1371-5 was considered by ITU-R Working Party 5B (WP 5B), and that it and CIRM's input were liaised with IMO NCSR9. The latter has stood up a correspondence group led by Germany (chaired by Stefan Bober) tasked to further address outstanding issues (i.e., new navigation status', extended ships data regarding person on board, VDES capability, ship type, etc.) and the next ITU/IMO joint experts group (JEG) meeting in December, and for the JEG to forward its recommendation to NCSR10; who will then reply back to WP5B. Concerning VDES, -1 has been published, work on AMRD group B including its protocols have been advanced and is nearly completed.

4.5. OTHER (PIANC, CIRM, IMPA, & IHMA ETC.)

The PAP noted that Richard Doherty had now taken his position as CIRM Secretary-General and that Mathew Williams will take over at IMPA as Secretary-General.

4.6. DIGITAL@SEA

Minsu Jeon reported that the 2022 Digital@Sea North America conference was held 11-12 May 2022 at the Florida Aquarium, Tampa, Florida. Organized by the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) and the Radio Technical Commission for Maritime Services RTCM, the conference was attended by 61 delegates, representing 7 countries. In addition to IALA and RTCM, three organizations supported the conference as identified below. 25 Presenters covered a wide variety of e-Navigation topics which were grouped in four Sessions:

- Session I – e-Nav Plans and Implementation
- Session II – e-Nav Initiatives
- Session III – VDES Progress Report
- Session IV – e-Nav on the Horizon
- Session V – e-Nav Initiatives
- Session VI – e-Nav Today
- Session VII – Closing Plenary Session

The Closing Plenary Session provided a review of the proceedings and recommendations from participants by a panel of experts. The analysis generated a set of conclusions and recommendations that were presented to the plenary and either accepted as written key points from their sessions, followed by general discussion and development of consensus on a series of conclusions and recommendations. A summary of these appears in Section 10.

Upcoming Digital@Sea Conferences:

- Digital@Sea Asia-Pacific 15-16 Sep 2022 in Seoul, Korea
- Digital@Sea International in 1Q 2023
- Digital@Sea North-America May 2023 in Canada

4.7. 3GPP

The PAP noted that IALA keeps monitoring 3GPP. 3GPP has now made maritime an official area of work. It was reported that Apple iPhone 14 will have an emergency SOS via satellite which indicates that this connectivity is expanding rapidly. The Chair remarked that large scale connectivity is coming.

5. PROGRESS REPORTS

5.1. ENAV

NOGUCHI Hideki, Chair ENAV, reported that the ENAV Committee will convene in two weeks with many interesting inputs from a variety of members. It is anticipated that the review of Guideline G1117 VHF Data Exchange System (VDES) Overview will be finalized.

5.2. VTS

Monica Sundklev, VTS Chair, happily reported that nine tasks have been progressed intersessionally after VTS52. Five of these comprehensive tasks were object to a specific deadline so that participants would have time to read, consider and comment on the draft documents as they are up for final approval at VTS53.

5.3. ENG

Simon Millyard, ENG Chair, reported that there had been no ENG meeting since PAP46.

ENG16, the last of this work period is set for 17th to 21st October 2022 at IALA HQ in Paris.

ENG have decided to hold the ENG16 as a traditional in-person meeting starting with the WG Chairs meeting on the Monday morning and the closing plenary on the Friday morning. There will be an extended period for comment on outputs with a final virtual closing plenary on Friday 28th October.

Sustainability Workshop: Approved by Council and the Steering Committee is being formed. Some members have been nominated by other committees, hopefully after this committee round we will have a full SC to progress with. The focus on Sustainability at the Rio Conference will be a good springboard to promote interest in this workshop. It is expected that this will take place in 2024 but no date set at the moment. Given the topic, it is likely that this will be a Hybrid conference, possibly hosted at IALA HQ unless another host nation volunteers. It will be a good test for future hybrid workshops/conferences and will require careful technical planning to ensure it is a success for both remote and in person delegates. This will be progressed at ENG16.

AtoN Engineering Workshop: This has been delayed from 2020 due to Covid. Australia have kindly agreed to extend their hosting of this, and it is likely that this will be in 2024 but no date set. This will be progressed at ENG16. It is likely that this Workshop will run the week after the ENG Committee which will reduce travelling commitments and cover a two-week period in Australia. This workshop had a strong Sustainability emphasis in its initial programme but now this will need to be toned down with the new Sustainability workshop to avoid duplication.

Heritage Seminar: This is now being planned for the two days immediately preceding the Council in Rio (27th & 28TH May 2023) as an optional extra to delegates and open to others as an independent event.

2023 – 2027 work plan: The work plan has been developed and is ready for the committee to start work on at ENG17.

5.4. ARM

Dave Lewald, ARM Vice-chair, reported that there had been no meeting since ARM15. The next session of ARM will focus upon the outcomes from the recent S-100 / S-200 IHO / IALA Workshop and finalizing the IALA MBS. It was noted that WG3's Chair Roger Barker will retire following ARM16.

5.5. IMC

Malcolm Nicholson, IMC representative, reported that there was a recent meeting regarding the Conference exhibition, happily all is in hand and the website will be launched soon.

5.6. LAP

The 24th session of the LAP will be held in November to follow the end of the committee sessions.

5.7. WWA

The Dean of the Academy, Omar Fritz-Eriksson, reported that the Academies work was now in full progress. He detailed several activities that were planned for the near future, including:

- Technical cooperation visits to Cabo Verde, Cameroun, Cambodia, Philippines, Bangladesh, Indonesia, DR Congo, Somalia, Lebanon
- AtoN Manager Course, France, Morocco, Fiji, India, Suriname, Colombia, China, Malaysia and online...
- AtoN Master course, Trinity House UK, HQ February 2023
- Risk Management training online and face to face (Australia)
- Level 2 AtoN Technical training MENAS in Bahrain, Spain...

- VTS related visits, Saudi Arabia, Malaysia, India, Thailand and Philippines
- Training cooperation with Maritime University in Ghana
- Cooperation with IMLI, the IMO International Maritime Law Institute
- Joint IMO, IHO IALA mission to the Caspian Sea (Azerbaijan, Turkmenistan...)
- Joint IALA IHO technical visit to Tanzania
- AAMA Awareness raising at conference in South Africa
- Various Hydrographic Commission meetings world-wide
- Webinars and Seminars on various technical topics

The Academy will begin to focus upon ways to ensure that VTS training is provided in a harmonized and high-quality manner.

Good cooperation between the IMO, IHO and the IALA WWA was gladly welcomed by the PAP.

6. STRATEGY AND POLICY

6.1. IALA POSITION ON THE DEVELOPMENT OF ATON SERVICES

The Chair recalled the *IALA Position on the Development of AtoN Services* document. The PAP agreed to focus on the review of this document at the next PAP session.

6.2. REVISION OF IALA STANDARDS

Minsu Jeon presented to the PAP the draft standards. Following minor comments and amendments on consistency, the PAP agreed for the Secretariat to make minor changes to the drafts for further consideration at the next PAP.

Action item:

That the Secretariat submit the draft IALA standards to PAP48 for approval.

6.3. IALA'S INVOLVEMENT IN MASS

Captain Segar, Chair of the MASS TF, reported that a hybrid session had been convened on 12 September included attendance from the IHO. It was noted that IHO have a project team concentrating on MASS and the Task Force explored possible avenues for collaboration between the two organizations. It was noted that IHO's opinion is that current charts are not fit for purpose for autonomous vessels' navigation.

It was agreed that once the content of the guidance from IALA is identified it will then be finally decided exactly how the guidance would be published, for instance certain guidance may be more appropriately disseminated in a separate IALA guideline rather than all in one. It was clarified that ENAV is coordinating the development of the IALA guideline on MASS with the other committees and MASS TF may provide input. ENAV will continue intersessional work over the first half 2023.

A roadmap for the completion of the cross-committee guideline on MASS was also suggested to the PAP with an expected completion of the work by the end of 2024, as set out below. This was approved by the PAP.

Meetings	Work plan
TF 4 (Sep 2022)	Consider and finalize the draft roadmap and the framework
PAP 47 (Sep 2022)	Approve the draft roadmap and the framework
Committees and LAP (2 nd half 2022)	Continue drafting the relevant chapters

Meetings	Work plan
Council (December 2022)	Note the development
TF 5 (1st half 2023)	Consider the development and provide inputs
Committees and LAP (1st half 2023)	No meetings
TF 6 (2 nd half 2023)	Consider the development and provide inputs
Committees and LAP (2 nd half 2023)	Continue drafting the relevant chapters
TF 7 (1st half 2024)	Consider the development and provide inputs
Committees and LAP (1st half 2024)	Continue drafting the relevant chapters
TF 8	Consider the development and provide inputs
Committees and LAP (2 nd half 2024)	Finalize the IALA MASS guideline
Council (2 nd half 2024)	Approve the IALA MASS guideline

A draft input to IMO describing IALAs MASS activities and intentions was finalized by the PAP, and this will subsequently be submitted to Council for approval.

As some persons may not always be able to attend the MTF, it was agreed that two persons per committee may attend the task force. LAP should also be represented in the MASS TF.

Captain Segar reported that they were considering a new VTS system that would incorporate functions that would aid their operations when interacting with MASS.

The draft MASS guideline, being led by ENAV, was discussed. Good content had been added since the last PAP meeting and all committees are requested to add this to their work plan to compile the relevant technical sections of the guideline. It was considered that this guideline should not be too long and should concentrate on the specifics of MASS relating to AtoN rather than being a broader MASS document. A roadmap for this guideline was tabled with the intention of having this complete by late 2024

Action item:

That the Secretariat submit the draft input to IMO on IALAs activities surrounding MASS to Council for approval.

6.4. AIS DOCUMENTATION REVIEW

The PAP acknowledged that the review of IALAs AIS documentation is a huge undertaking. It was agreed that, in the next work programme, the ARM Committee would coordinate with other committees and external bodies to bring the guidance up to date. The proposal is to consolidate the numerous documents to two – operational and technical. The work may also take into consideration the recognition of synthetic as a valuable use of AIS AtoN.

Action item:

That the ARM Committee coordinates the review of AIS documentation in the next work programme, considering the discussions at PAP39 including input paper 5.1.1.

6.5. IALA USE OF CALCULATORS IN DOCUMENTS

Christina Schneider, LAP Chair, presented a draft disclaimer that could be used for the IALA Homepage. It read:

“IALA has endeavoured to make the information on this website as accurate as possible but cannot take responsibility for any errors. The content on this site is available in English, the working language of IALA, with some content also available in French and Spanish.

In case any questions might occur, please contact the IALA Secretariat.”

General discussion concluded that the LAP should consider replacing the word ‘error’ for something more suitable and perhaps consider an example disclaimer that can be found on the USCG Navigation Rules webpage at <https://www.navcen.uscg.gov/navigation-rules-amalgamated>.

The draft disclaimer for IALA document read:

“IALA is an international association that deals with Marine Aids to Navigation. The Association aim to provide information and support to its members and the maritime community through its standards, recommendations, guidelines and other documents as accurate as possible. However, the planning, implementation and operation of Marine Aids to Navigation remains the sole responsibility of the respective national members, authorities, administrations or other entities according to the respective national law including the decision to use IALA’s standards, recommendations, guidelines and other documents. Therefore, IALA shall in no event be liable for any claim, damages or other liability, whether in an action of contract, tort or otherwise, arising from, or out of or in connection with the above-mentioned documents, the use or other dealings in them.”

General discussion concluded that the above text was fit for purpose and could be used at the end of IALA documentation.

Action item:

That the LAP takes into consideration PAP’s comment held in the PAP47 report when discussing disclaimers at the panel’s next session.

6.6. S1010 ATON PLANNING AND REQUIREMENTS

6.6.1. R1001 IALA MARITIME BUOYAGE SYSTEM

Phil Day, ARM Chair, recalled that the ARM Committee had completed their work on the IALA MBS and handed over the document to the Secretariat to focus on the illustrations. Council is now considering the diagrams with a view to approving the document in December. The PAP reviewed the diagrams in the draft document and found that they were fit for purpose.

6.6.2. LIGHT RANGE

Following a query from a member, Minsu Jeon, IALA Technical Operations Manager, asked the PAP if the definition of short, medium or long-range lights needed to be clarified partly as a result of a sentence in IALAs MBS stating that a lighthouse has a medium or long range. Following discussion, it was noted that there is a degree of ambiguity between different organizations in defining short, medium or long range. It was concluded that the IALA MBS will not be changed, however the ARM Committee will make general proposals for revised dictionary entries for ranges.

Action item:

That the ARM Committee make general proposals for revised dictionary entries for short, medium and long light ranges.

6.7. S1020 ATON DESIGN AND DELIVERY

Nothing to report.

6.8. S1030 RADIONAVIGATION SERVICES

Nothing to report.

6.9. S1040 VESSEL TRAFFIC SERVICES

Nothing to report.

6.10. S1050 TRAINING AND CERTIFICATION

Nothing to report.

6.11. S1060 DIGITAL COMMUNICATION TECHNOLOGIES

The Chair reported that the 'VDES Alliance', a Danish non-profit organization of VDES interests, held their inauguration meeting and invited IALA to join the Alliance. After consideration, IALA has declined the invitation but instead asked the Alliance to join IALA.

6.12. S1070 INFORMATION SERVICES

6.12.1. IALA S-200 DEVELOPMENT

Minsu Jeon provided the background to S-200 product specifications and IALAs role within this work.

It was noted that one of the conclusions from the recent IALA / IHO workshop was to update IALA documentation relating to S-200.

It was agreed by the PAP that consideration should be given to changing the name of S-212 from 'VTS Digital Information Services' to something that avoids the word services.

Minsu Jeon encouraged members to examine various S-201 test beds that can be found online.

6.12.2. MARITIME RESOURCE NAME (MRN)

Minsu Jeon reminded the PAP of the principles that surround MRNs and encouraged members to embrace MRNs in their work.

6.12.3. MARITIME SERVICES

IALA made an input to IMO NCSR9 regarding the status of IALAs work in this area. The PAP noted that this work was ongoing and that IALA intends to send an update to IMO NCSR focusing on the descriptions of the various MS's.

7. COMMITTEE WORK PROGRAMME AND STRUCTURE

7.1. COMMITTEE WORK PROGRAMME 2018 - 2023 AND 2023 – 2027

Minsu Jeon reminded the PAP that the future work programme will be agreed by the Council. He then displayed a consolidated table of future tasks that have been proposed so far. Following discussion and amendments to the table, it was acknowledged that the committees will need to finalize their draft task plans and registers including a standing task on the review of all documentation attributed to the various committees to ensure that they remain valid at their next sessions. Task plans and registers should follow the templates provided.

Action item:

That committee chairs finalize their committee's proposals, both in the task register template and the task plan template, for the Work Programme 2023 – 2027 to the Secretariat in order that a draft work programme can be input to the PAP.

7.2. FUTURE COMMITTEE STRUCTURE

The internal structure of the committees is at the chairs' discretion; therefore, members were asked if they have any changes to consider and were encouraged to raise them at subsequent PAP sessions. Consideration is currently being given to renaming the ENAV Committee. It was welcomed by members that the Heritage WG in ENG has been a complete success. The ENG Chair is also considering the scope of each of his WG's work. In terms of the ARM Committee, the Chair stated that the inclusion of WG2 in the Committee has worked well and he is not seeking any changes within ARM.

Action item:

That committee chairs submit input to PAP on any possible changes to the future committee internal structure.

7.3. IALA ATON QUESTIONNAIRES

Minsu Jeon provided the background and potential challenges of IALA questionnaires that will be sent to IALA National Members. The PAP noted that the Secretariat is looking to digitize the questionnaire (possibly linked to S-201), receiving answers to IALA's questionnaires through a portal. Through this AtoN portal it can become a database. This may overcome many of the issues identified and provide instant statistics to IALA members. Discussion concluded that the rationale for the questionnaire is to understand the current picture of aids to navigation and VTS worldwide and to provide this data to its members, particularly those in the industrial members category. It is envisaged that specific topic-based questionnaires will follow in the future.

7.4. IALA NAVGUIDE

Minsu Jeon reported that the NAVGUIDE coordinating group has been reviewing and updating the IALA NAVGUIDE edition 2023. All of the committees and the secretariat updated the relevant chapters with a view to have the new edition 9 launched at the 2023 IALA Conference in Brazil.

The version submitted (PAP47-7.4.1.1) is still a draft version and the coordinating group will continue working on this during the committees of 2nd half of 2022.

Once the draft is ready, the text and illustrations will be professionally designed to produce a book that will conform to the IALA document standard.

7.5. UPCOMING EVENTS

7.5.1. WORKSHOP ON ATON ENGINEERING

AMSA have confirmed that it is planned to hold this workshop in 2024 in Australia. It is hoped that one week will be dedicated to the ENG Committee and one dedicated to the workshop. The elements regarding sustainability that were planned for this event will now be covered in the sustainability workshop.

7.5.2. WORKSHOP ON S-100/200

The PAP welcomed the success of the joint IALA/IHO workshop on S-100/200 is that took place in Aalesund, Norway. Of encouragement was the collaboration between IALA and IHO members. The PAP thanked the NCA for hosting the event. Phil Day, ARM Chair reported on the success of this workshop and felt that the topic had reached a critical mass in its development.

7.5.3. WORKSHOP ON SUSTAINABILITY

It is proposed that this workshop will be held at IALA Headquarters as a hybrid event. The workshop is planned to take place in 2024.

7.5.4. WORKSHOP ON DIGITAL MARITIME RADIOCOMMUNICATION INFRASTRUCTURE

The Panel thanked the Japan Coast Guard for hosting this workshop which is due to take place in February 2023.

7.5.5. HERITAGE AND CULTURE SEMINAR

The PAP noted that this seminar would be held in the two days preceding the IALA Conference in Brazil next year.

7.5.6. COMMITTEE / PAP DATES

The ENAV Committee Chairs expressed a desire for having an extra-ordinary meeting in the first half of 2023 to progress their work. The other committees stated that they would progress their work intersessionally.

The PAP agreed the dates for the following events:

EVENT	WEEK NO.	DATES	COMMENTS
PAP48	46	14 November 2022	Virtual (12:00 UTC)
Workshop on Digital Maritime Radiocommunication infrastructure	08	20-24 Feb 2023	Tokyo, Japan
ENAV31	TBD	TBD	TBD
PAP49	10	7 – 9 March 2023	IALA HQ
Heritage Seminar	21	27-28 May 2023	Rio de Janeiro, Brazil
WWA seminar	21	28 May 2023	Rio de Janeiro, Brazil
Council 77	21	28 May 2023	Rio de Janeiro, Brazil
20 th Conference	21-22	27 May-3 June 2023	Rio de Janeiro, Brazil
General Assembly	22	3 June 2023	Rio de Janeiro, Brazil
Council 78	22	3 June 2023	Rio de Janeiro, Brazil
PAP50	36	06-08 September 2023	IALA HQ
VT54	38	18-22 September 2023	IALA HQ
ENAV32	39	25-29 September 2023	IALA HQ
LAP25	41	11-12 October 2023	IALA HQ
ENG17	42	16-20 October 2023	IALA HQ
ARM17	43	23-27 October 2023	IALA HQ
PAP51	45	07 November 2023	Virtual
Council 79	50	11-15 December 2023	IALA HQ

It was agreed that the PAP would keep to the three-day format notwithstanding any extraordinary meetings called, the length of which will be determined by the issues to be discussed.

8. OPERATIONS/ADMINISTRATION

8.1. IALA DICTIONARY

The PAP discussed the IALA dictionary and agreed that there needed to be a review of the entries. PAP members duly carried out the review and passed the result onto the Secretariat to take this work forward.

8.2. COMMUNICATIONS

Audrey Guinault, Communications Manager, reported to the PAP that the e-Bulletin now has a new home on the IALA website, including a subscribe option, which will make it easier for members to stay up to date with news. She went on to present to the PAP her new communications strategy relating to target audiences and plans for different events, which was warmly welcomed by members, and they congratulated Audrey for her efforts in this area. The PAP also noted the great interaction that IALA enjoys from posts on LinkedIn.

8.3. COMMITTEE FACILITATION

The PAP noted the agreed working arrangements of how the committees will be facilitated. They exchanged views on timings of plenaries and different approaches to the programme of the week. VTS Chair requested that the IALA survey continue to be sent out to committee participants after each committee meeting as this is a valuable source of information on how the meetings are being appreciated.

8.4. IALA STYLE GUIDE

The PAP Chair reported that various amendments had been made and the new edition will be issued soon. Jorge Arroyo requested the Chair consider including a section on Committee/Workshop Reports; which the Chair agreed to.

Action item:

That the Secretariat consider including a section on Committee/Workshop reports in the Style Guide.

9. THE IGO PROJECT

See section 1.1.1 Welcome by the Secretary-General.

10. ANY OTHER BUSINESS

10.1. SUNSETTING OF PAPER CHARTS

The PAP noted that various HOs around the world, including the UK, US and Australia, were withdrawing paper charts from use. Discussion highlighted the huge impact this would have on some of the world's fleet recognizing that the withdrawal is due to complete in 2026.

10.2. DIGITAL INCUBATOR

The PAP Chair introduced a late input paper that explained the Digital Incubator. The paper explained that the maritime community has discussed the development of e-navigation services for more than a decade. Data products are being delivered via local or regional proprietary technical services.

Global harmonization of data products and in particular technical services has not yet been achieved.

The diversity of local and regional services hinders large scale global uptake in a similar way as during the videotape format war between VHS and Betamax in the 1980's. Stakeholders do not know which solution will win the race and their investment appetite is reduced.

There is a need to boost end user confidence in the most promising solutions and shed light on their business cases, to improve stakeholder investment appetite.

This can be achieved by identifying the most promising solutions and placing them in a suitable environment where they can be further developed, benchmarked and tested with other solutions to ensure interoperability and harmonization in a global perspective. It should also be ensured that sufficient focus is given to building solid business cases.

The Digital Incubator Initiative aims at achieving this.

The ENAV Chair raised a concern that since IALA's main purpose was to make a standard and it was important to treat all IALA member equal, if IALA involved in the specific member's movement, there could be possibility to raise misunderstandings among the members. Therefore, IALA should carefully consider that such involvement should not cause any misunderstandings among members before the involvement. In addition, the ENAV Chair stressed that e-navigation services was under IMO remit and it was important to ask such members to invite IMO, IHO and other e-navigation related bodies.

Following discussion and some clarification, the PAP agreed that this was a feasible and positive initiative, it was noted that there are many wider challenges surrounding this idea particularly with consensus for such innovation at IMO. The PAP were content that if and when invited, the IALA Secretariat will participate in meetings related to this initiative in an advisory role, providing clarification and advice on how to conform to relevant IALA standards, recommendations and guidelines. It was agreed that an input paper sent to all committees describing the digital incubator would be welcome.

Action item:

That the Secretariat provides an input paper to all committees describing the digital incubator initiative.

11. REPORT OF THE MEETING

The final report was approved by correspondence.

12. DATE AND VENUE OF NEXT MEETING

PAP48 will be held virtually 14 November 2022 12:00 UTC.

13. CLOSING OF MEETING

The Chair thanked all participants for their cooperation and their great work in the committees; and acknowledged the milestone of agreeing the future of the dictionary and urged the committees to be ambitious in their future work programme proposals.

14. 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 0.
- 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



47th Meeting of the IALA Policy Advisory Panel (PAP47)

The 47th meeting of the Policy Advisory Panel will be held on 13 – 15 September 2022 at IALA HQ. The timings of the meeting are:

Tuesday 13/09/2022 10:00 – 17:00 CEST

Wednesday 14/09/2022 09:00 – 17:00 CEST

Thursday 15/09/2022 09:00 – 17:00 CEST

The objectives of the panel 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; and
- Monitor and develop work programmes for the committees.

Provisional Agenda

1	Introduction		
	1.1 Welcome by Secretary-General and Deputy Secretary-General	FZ, OFE	
	1.2 Approval of agenda	OFE	Approve
	1.3 Apologies and introductions	OFE	Note
2	Review of action items from last meeting		
	2.1 Review of action items	TS	Note
3	Review of input papers		
	3.1 Review of input papers	TS	Note
4	Reports from other bodies		
	4.1 IALA		
	4.1.1 IALA Council	MJ	Note
	4.2 IMO	MJ	Note
	4.3 IHO	MJ	Note
	4.4 ITU	MJ	Discuss
	4.5 Other (PIANC, CIRM, IMPA, & IHMA etc.)	MJ	Note
	4.6 Digital@Sea	MJ	Note
	4.7 3GPP	MJ	Note
5	Progress reports		
	5.1 ENAV	HN	Note
	5.2 VTS	MS	Note
	5.3 ENG	SM	Note
	5.4 ARM	PD	Note
	5.5 IMC	MN	Note
	5.6 LAP	CS	Note
	5.7 WWA	OFE	Note
6	Strategy and Policy		
	6.1 IALA Position on the Development of AtoN Services	OFE	Discuss
	6.2 Revision of IALA Standards	MJ	Discuss
	6.3 IALA's involvement in MASS	MJ	Discuss
	6.4 AIS documentation review	PD	Discuss



6.5	IALA use of calculators in documents	All	Discuss
6.6	S1010 AtoN Planning and Requirements		
6.6.1	R1001 IALA Maritime Buoyage System	PD	Discuss
6.6.2	Light range – short, medium and long range.	MJ	Discuss
6.7	S1020 AtoN Design and Delivery		
6.8	S1030 Radionavigation Services		
6.9	S1040 Vessel Traffic Services		
6.10	S1050 Training and Certification		
6.11	S1060 Digital Communication Technologies		
6.12	S1070 Information Services		
6.12.1	IALA S-200 development	MJ	Note
6.12.2	Maritime Resource Name (MRN)	MJ	Discuss
6.12.3	Maritime Services	MJ	Discuss
7	Committee work programme and structure		
7.1	Committee Work Programme 2018 - 2023 and 2023 - 2027	MJ	Review
7.2	Future committee structure	MJ	Discuss
7.3	IALA AtoN Questionnaire	MJ	Discuss
7.4	IALA NAVGUIDE	MJ	Note
7.5	Upcoming events		
7.5.1	Workshop on AtoN engineering	SM	Discuss
7.5.2	Workshop on S-100/200	PD	Discuss
7.5.3	Workshop on Sustainability	SM	Discuss
7.5.4	Workshop on Digital Communication Infrastructure	HN	Discuss
7.5.5	Heritage Seminar	SM	Discuss
7.5.6	Committee / PAP Dates	MJ	Discuss
8	Operations/Administration		
8.1	IALA Dictionary	MJ	Discuss
8.2	Communications	AG	Discuss
8.3	Committee facilitation	TS	Discuss
8.4	IALA Style Guide	TS	Note
9	The IGO project	FZ	Note
10	Any other business		
10.1	Sunsetting of paper charts	MJ	Note
10.2	Digital incubator	OE	Discuss
11	Report of the meeting		
12	Date and venue of next meeting		
13	Closing of meeting		



ANNEX B LIST OF PARTICIPANTS

ARM Committee	Chair	Phil Day phil.day@nlb.org.uk
	Vice-chair	R. David Lewald robert.d.lewald@uscg.mil
ENAV Committee	Chair	NOGUCHI Hideki hideki.noguchi@gmail.com
	Vice-chair	Jorge Arroyo Jorge.Arroyo@uscg.mil
ENG Committee	Chair	Simon Millyard simon.millyard@thls.org
	Vice-chair	Michel Cousquer Michel.Cousquer@cerema.fr
VTS Committee	Chair	Monica Sundklev monica.sundklev@transportstyrelsen.se
LAP	Chair	Christina Schneider Christina.Schneider@wsv.bund.de
IMC		Malcolm Nicholson m.nicholson@sealite.com
Secretary-General		Francis Zachariae francis.zachariae@iala-aism.org
Deputy Secretary-General		Omar Frits Eriksson omar.eriksson@iala-aism.org
Technical Operations Manager		Minsu Jeon minsujeon@iala-aism.org
Technical Officer		Thomas Southall tom.southall@iala-aism.org
Communications Officer		Audrey Guinault audrey.guinault@iala-aism.org

ANNEX D LIST OF INPUT PAPERS

AGENDA	TITLE	DATE
1.2	1 Introduction PAP47-1.2.1 Provisional Agenda	22 Jul 2022
4.2.1	4 Reports from other bodies PAP47-4.2.1 Report on IMO NCSR 9	31 Aug 2022
4.5.1.1	4 Reports from other bodies PAP47-4.5.1.1 2022 Final Report Digital@Sea NA	31 Aug 2022
6.2.1	6 Strategy and Policy PAP47-6.2.1 Secretariat note on revision of IALA Standards	31 Aug 2022
6.2.2	6 Strategy and Policy PAP47-6.2.2 Draft revision S1010 AtoN Planning and Service Requirements	31 Aug 2022
6.2.3	6 Strategy and Policy PAP47-6.2.3 Draft revision S1020 AtoN Design and Delivery	31 Aug 2022
6.2.4	6 Strategy and Policy PAP47-6.2.4 Draft revision S1030 Radionavigation Services	31 Aug 2022
6.2.5	6 Strategy and Policy PAP47-6.2.5 Draft revision S1040 VTS	31 Aug 2022
6.2.6	6 Strategy and Policy PAP47-6.2.6 Draft revision S1050 Training and Certification	31 Aug 2022
6.2.7	6 Strategy and Policy PAP47-6.2.7 Draft revision S1060 Digital Communication Technologies	31 Aug 2022
6.2.8	6 Strategy and Policy PAP47-6.2.8 Draft revision S1070 Information Services	31 Aug 2022
6.2.9	6 Strategy and Policy PAP47-6.2.9 Structure of the standards	31 Aug 2022
6.3.2.1	6 Strategy and Policy PAP47-6.3.2.1 Report 3rd session MASS Task Force Meeting	31 Aug 2022
6.6.2	6 Strategy and Policy PAP47-6.6.2 light range	31 Aug 2022
7.1.1	7 Committee work programme and structure PAP47-7.1.1 Revised Committee work programme 2018-2023	31 Aug 2022
7.1.1.1	7 Committee work programme and structure PAP47-7.1.1.1 Committee Work Programme 2018-2023	31 Aug 2022
7.1.2	7 Committee work programme and structure PAP47-7.1.2 Committee work programme 2023-2027	31 Aug 2022
7.4.1	7 Committee work programme and structure PAP47-7.4.1 NAVGUIDE 2023	31 Aug 2022
7.4.1.1	7 Committee work programme and structure PAP47-7.4.1.1 draft NAVGUIDE 2023	31 Aug 2022
7.5.6.1	7 Committee work programme and structure PAP47-7.5.6.1 Proposed meeting dates 2023	31 Aug 2022



ANNEX E LIST OF OUTPUT PAPERS

Meeting	Agenda Item	OUTPUT PAPERS
PAP47-	11.1	Report of PAP47
PAP47-	6.3.1	Draft input to IMO on IALAs activities surrounding MASS

ANNEX F ACTION ITEMS

<i>That the VTS Committee undertake the review of IALAs input to IMO on the IMSAS Manual to reflect the new IMO VTS Resolution.</i>	<i>8</i>
<i>That the ARM Committee coordinates the review of AIS documentation in the next work programme, considering the discussions at PAP39 including input paper 5.1.1.....</i>	<i>12</i>
<i>That the LAP takes into consideration PAP’s comment held in the PAP47 report when discussing disclaimers at the panel’s next session.....</i>	<i>13</i>
<i>That the ARM Committee make general proposals for revised dictionary entries for short, medium and long light ranges.....</i>	<i>13</i>
<i>That committee chairs finalize their committee’s proposals, both in the task register template and the task plan template, for the Work Programme 2023 – 2027 to the Secretariat in order that a draft work programme can be input to the PAP.</i>	<i>14</i>
<i>That committee chairs submit input to PAP on any possible changes to the future committee internal structure.</i>	<i>15</i>
<i>That the Secretariat submit the draft IALA standards to PAP48 for approval.</i>	<i>11</i>
<i>That the Secretariat submit the draft input to IMO on IALAs activities surrounding MASS to Council for approval.....</i>	<i>12</i>
<i>That the Secretariat consider including a section on Committee/Workshop reports in the Style Guide.</i>	<i>17</i>
<i>That the Secretariat provides an input paper to all committees describing the digital incubator initiative.....</i>	<i>18</i>

