



IALA World-Wide Academy – progress and activity report

INTRODUCTION

This paper contains a summary of internal reports and the executive summaries of technical cooperation visit reports. The information contained is not within the public domain and has been prepared for internal use only.

Board members will recall that the IALA World-Wide Academy (the Academy) focusses on facilitating the effective implementation of the IALA standards, recommendations, guidelines, and model courses by coastal States through education, training and capacity building thereby underpinning the second strategic goal of IALA.

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

The latest Academy Master Plan for the period 2020 – 2024 articulated three simple means by which the aims and goals of the Academy may be achieved:

① ENLIGHTEN

raise the awareness of high-level decision makers of their international obligations relating to safety of navigation;

② EDUCATE

provide a suite of relevant education and training opportunities for as many as possible; and

③ ENGAGE

pursue long-term capacity building activities with coastal States and provide advice on how to overcome challenges.

1. ENLIGHTENING – RAISING AWARENESS

IMLI Visiting lecturer (20 to 21 March)

The Academy was invited as visiting professor to the International Maritime Law Institute in Malta.

The Capacity Building and Resources Manager delivered a set of lectures entitled “Introduction to IALA”, “IALA Risk Management Toolbox” and “IMO Guidelines for Vessel Traffic Services” to the IMLI Class of 2023-2024 and the Course Participants of the IMLI Course on the Law of Ports 2024. The main focus of the lectures was on the legal impact of IMO Resolution A.1158(32) on Guidelines for Vessel Traffic Services. This will support the participants on return to the home country to analyse and improve the VTS provisions .

18th Eastern Atlantic Hydrographic Commission- EAHC 2024- Morocco (29 April to 3 May 2024)

The WWA’s participation in the EAHC 18 meeting is considered to be an excellent opportunity for the organization to establish direct contact with coastal states within the region, particularly with French-speaking countries. It is also an opportunity to engage and establish long-term relationships with



countries that have already benefited from IALA technical visits and training programs, such as Sierra Leone, Cape Verde, Gambia, and Guinea-Bissau.

13th Joint IHO/IMO/WMO/IOC/IALA/IAEA/FIG/IMPA Capacity Building Coordination Meeting IHO, Monaco, (13-14 May 2024)

The meeting, was in hybrid mode, and took place at IHO HQ in Monaco, It was attended by representatives from IHO, IOC, IAEA, IALA, FIG, IMPA, IMO and WMO. These eight different organizations, share a common interest in supporting their Members in developing capabilities in the different fields of competences, which, often, have many points in common. The United Nations Decade of Science for Sustainable Development 2021-2030 highlighted a renewed interest in the Oceans and their preservation which implies a greater attention also to issues related to Capacity Building / Capacity Development in the individual areas of interest related to the sea.

The meeting provided an opportunity for the eight organizations to share their overview on achievements, challenges and lessons learned in capacity building, as well as discuss the status of joint capacity building activities and the way ahead to provide efficient assistance to members.

IMO TC meeting (24 to 28 June 2024)

The Technical Cooperation Committee (TCC) held its seventy-four session from 24 till 28 June 2024. The Academy focused on the following:

1. Educating – developing new opportunities to identify potential candidates for the Academy training (Philippines, Honduras, Antigua and Barbuda, ...), and to benchmark with other training organization regarding Online training facilities: WMU, IMLI, ...
2. ENGAGING – long term capacity building relationships: Cyprus and Venezuela.

IMO-IALA- Korea Digital@Sea Workshop (08 to 12 July 2024)

The Joint IMO, IALA the Republic of Korea workshop on Enhancing Digitalization Capability - Digital@Sea was held from 08 to 12 July 2024 in Korea.

WMU Maritime week 2024 Speaker: Development of Capacity for Marine Aids to Navigation and VTS: Current State, Learned Lessons and Challenges (26 to 30 August 2024)

The Academy was invited to speak on the first WMU Maritime week 2024: Beyond Horizons, Maritime sustainability, which took place at WMU in Malmo, Sweden , from 26 to 30 August 2024. The conference gathered experts topics of safety, sustainability, digitalization, decarbonization, maritime business, and capacity development.

Under the Development of Capacity panel, the Academy presented a presentation titled “Development of Capacity for Marine Aids to Navigation: Current state, challenges and lessons learned”, highlighting the Academy's role and work in the maritime industry as well as discussing some challenges and sharing some lessons learned.

Additionally, the visit to WMU provided an opportunity to discuss collaboration with WWA and to offer marine aids to navigation lectures to WMU students, primarily those in the Maritime Safety and Environmental Administration program.

2. EDUCATING – DEVELOPING NEW OPPORTUNITIES

Level 1.1 AtoN Manager course

The Academy has continued to assist the Accredited Training Organizations ATOs in delivering the Level 1.1 AtoN Manager course in accordance with the IALA model course and to provide expertise in the AtoN provisions as needed.



From March to August 2024, the Academy sponsored three participants to participate in the level 1.1 AtoN Manager course as follow up activities for engaging with coastal states that benefited from technical visits conducted earlier in the year.

- Trinty House, Harwich, UK (22 to 26 April 2024)

The course was provided in a hybrid form, with modules 1 and 2 being completed online using the Moodle platform and module 3 being held from April 22–26, 2024, at Trinty House in Harwich, UK.

Fourteen people took part in the training. The Academy provided sponsorship for one participant.

As part of carrying out the joint IFAN, UNESCO IOC, and IALA project on Ocean Literacy, the training in Harwich served as a pilot program for the introduction of the Ocean Literacy module in the level 1.1 AtoN manager course.

- ENAP, Cartagena, Colombia (March - June 2024)

The course was delivered for the second time in Spanish language and adopted a hybrid format, featuring online delivery for Modules 1 and 2, while the Module 2 exam and Module 3 were conducted in person in Cartagena from 29 May to 7 June 2024.

There were 15 attendees from 05 countries : Dominican Republic, Mexico, Panama, Spain, and Colombia the host country . Two participants were sponsored by the Academy.

- STIP, Batch 1, Jakarta, Indonesia (15 July to 09 August 2024)

From July 15 to August 9, 2024, STIP, the accredited training organization STIP, hosted the first level 1.1 AtoN management course in Indonesia. The Academy experts conducted the whole program in person, with the exception of a few lectures from Module 1 that were given by STIP instructors. With the goal of training a significant number of governmental and private AtoN managers in Indonesia, this training aimed to prepare participants to become lecturers for the next Level 1.1 AtoN manager course sessions.

20 participants followed the course from different navigation districts and Directorate of Navigation of DGST.

- China MSA, at various locations in China, (26 August to 21 September 2024)

Cina MSA conducted once again a successful L1.1 AtoN Manager course in Wenzhou and Xiamen, greatly supported by Jimei university. The course was followed by the delivery of a L1.2 Master of AtoN Management course. This was delivered fully by the Academy.

- DGLL, Kolkata India, (4 November to 29 November 2024)

DGLL conducted their fourth successful L1.1 AtoN Manager course at MNTI in Kolkata, India.

- ENSAM, CEREMA, France, (4 November to 29 November 2024)

CEREMA, together with ENSA delivered a successful L1.1 AtoN Manager course in Brittany, France.

- STIP, Batch 2, Jakarta, Indonesia (8 November to 30 November 2024)

STIP conducted its second L1.1 AtoN Manager course in November 2024. This was the first course delivered under their own steam, using their own lecturers, and with some assistance from the Academy. The end goal is for Indonesia to become fully capable of delivering this course in their local language Bahasa Indonesia.



Level 1.3 Use of IALA Risk Management toolbox

A number of courses are being offered by the Academy to address the gap in understanding the importance of conducting risk assessments to ensure the safe management of waterways as specified by SOLAS Chapter V Regulations 12 and 13.

- USCG PAWSA workshop at the Port of Tampa (15 & 16 May 2024)

The U.S. Department of Homeland Security, through the work of the USCG, Marine Transportation Systems Management department is responsible for developing and implementing policies and procedures that facilitate commerce, improve safety and efficiency, and inspire dialogue within ports and waterways. The PAWSA methodology was developed to facilitate stakeholder communication and appreciation of navigational risk. The primary goal of a PAWSA workshop is to improve coordination and cooperation between government agencies and the private sector.

The IALA World-Wide Academy, in conjunction with the ARM Committee Working Group 3, is also keen to understand the modifications made by the USCG to the methodology, with PAWSA Mk II being one of the tools currently promoted as part of the IALA Risk Management Toolbox. IALA is seeking to understand how the Mk III version of PAWSA is currently being implemented and if a corresponding update of the IALA PAWSA Mk II tool may be appropriate.

- The Use of IALA Risk Management toolbox training (SIRA & IWRAP), Valparaiso, Chile (06 to 10 May 2024).

The Use of the IALA Risk Management Toolbox course was conducted at DIRECTEMAR in Valparaiso, Chile, from May 6th to 10th, 2024. Two weeks prior to the in-person sessions, an introduction to the course was launched online via the IALA Moodle platform. This hybrid approach allowed participants to familiarize themselves with the course material before attending the intensive in-person training.

The course content was delivered in Spanish and primarily focused on IWRAP (IALA Waterway Risk Assessment Program) and SIRA (Simplified IALA Risk Assessment) while also providing an overview of other tools in the IALA risk management toolbox.

32 participants followed the course from Chile, Spain, Brazil, Ecuador, Venezuela, and Guatemala. All students were skilful and completed all tasks to a sufficient level, with some students completing tasks to an outstanding level.

- The Use of IALA Risk Management toolbox training (SIRA & IWRAP), Cartagena, Colombia (27 to 31 May 2024)

The Use of the IALA Risk Management Toolbox course was hosted by DIMAR and conducted at Escuela Naval de Cadetes “Almirante Padilla” (ENAP) facilities in Cartagena, Colombia, from May 27th to 31st, 2024. Two weeks prior to the in-person sessions, an introduction to the course was launched online via the IALA Moodle platform. The course was delivered in Spanish and in same format as the session in Chile.

The course was successfully completed by 12 participants from Colombia, Uruguay, and Venezuela. A total of two participants were sponsored to attend the course by the Academy.

- The Use of IALA Risk Management toolbox training (SIRA & IWRAP), Jakarta, Indonesia (15 to 19 July 2024)

For the first time, the IALA Risk Management Toolbox course was offered at STIP in Jakarta, Indonesia, in July. It was designed to prepare the risk management team for the conduct of navigational risk assessments on Indonesian waterways. During the week before the in-person training was conducted, the Introduction to the IALA Risk Management Toolbox course was launched on the IALA Moodle, and all students were given access.



The course content primarily focused on the principles of risk management for AtoN Managers, SIRA and baseline modelling in IWRAP. An overview of all other tools was presented.

The course was attended by 30 participants from 25 Indonesian Navigation Districts and the Directorate of Navigation of the DGST. There was a high level of achievement among all students in the course.

IALA Essential Procurement for Aids to Navigation Manager, Istanbul, Turkey (20 to 23 May 2024)

IALA Essential Procurement for Aids to Navigation Managers was conducted in Istanbul from 20 to 23 May 2024, at the offices of the Turkish Coastguard (Kıyı Emniyeti Genel Müdürlüğü). 14 students from Bahrain, Tanzania, Sierra Leone, Somalia, USA, Yemen, Liberia, Bangladesh and Türkiye attended the course, expanding their knowledge of best practice in AtoN related procurement and contributing to lively discussion and sharing of views.

09 participants were sponsored by the Academy to attend the course.

Training review and new development

- IFAN, UNESCO IOC, WWA project on Ocean Literacy

In 2023, UNESCO IOC and IALA launched a project, funded by IFAN, aimed at improving Ocean Literacy for Aids to Navigation Managers worldwide. IALA's Model Courses for Aids to Navigation Managers cover a wide range of nautical, technical and managerial subjects that are crucial to the safety of navigation and the protection of the marine environment. Specifically, this project aims to provide a deeper understanding of fundamental concepts and principles underpinning ocean science so that managers of AtoN can significantly enhance their learning experience and consider Ocean protection in their daily work.

As part of Module 3 of the Level 1.1 course, the first Ocean Literacy lecture was presented by UNESCO IOC, online, at Trinty House in Harwich on 25 April 2024. The lecture was delivered for the benefit of 14 Participants who could discuss Ocean Literacy and how it is relevant to their work and their responsibilities as AtoN Managers and as individuals.

- Revision of L.1.2 Master AtoN Management

The Academy reviewed the content of the Master AtoN management training and the updated course is ready to be delivered in Jemi University in Xiamen, China, from 23 to 27 September 2024.

The revision covers updating existing modules and adding new topics responding to new trends in the maritime industry: Ocean governance, digital technologies, and innovation.

3. ENGAGING – LONG TERM CAPACITY BUILDING RELATIONSHIPS

The technical visits have furthered the cooperation and contributed to the improvement of AtoN provisions worldwide.

Assistance with Risk Assessment for Papua New Guinea (11 to 15 March)

WWA assisted Papua New Guinea (PNG) in developing a methodology and conducting preliminary assessments of its network of over 300 aids to navigation, with a focus on adequacy and the efficiency of its visual aids to navigation network.

Together, PNG NMSA and IALA developed a methodology for assessing the adequacy and efficiency of the existing network of marine Aids to Navigation in PNG waters. The methodology included the following principal steps for each waterway of interest:

- ☐ Describe the general waterway conditions including hazards to navigation.
- ☐ Conduct a risk assessment of the waterway (IWRAP, SIRA and/or PAWSA)
- ☐ Evaluate the adequacy and effectiveness of existing risk mitigation measures.
- ☐ Recommend reasonable actions to improve further the adequacy and effectiveness.



Technical mission to Madagascar (April 2024)

The Academy conducted a review mission to Madagascar which was a follow-up on the technical mission from 2018. The first day a meeting with all stakeholders informed on the impact of IMO Resolution A.1158(32) on Guidelines for Vessel Traffic Services. A technical tour by boat was organised for Toamasina Port, Canal Pangalane and Mahajanga. The last the Ministry of Transport and Telecommunication was briefed on the outcomes of the mission.

Technical mission to Indonesia Sumatra cluster (June 2024)

During these technical missions each Navigational District is visited. The AtoN workshop and a technical tour is part of the program which includes chartwork and an inspection of the channel. During these visits short lectures are delivered.

Technical mission to Indonesia Papua and Maluku cluster (July 2024)

During these technical missions each Navigational District is visited. The AtoN workshop and a technical tour is part of the program which includes chartwork and an inspection of the channel. During these visits short lectures are delivered.

For this cluster the team focussed specially on challenges with theft and vandalism and on AtoN awareness for fishing communities. It is considered that during a next mission some lessons learned could be tested when visiting fishing communities.

Technical mission to Lake Victoria, Africa (September 2024)

Upon request from the Maritime Organization for Eastern, Southern, and Northern Africa (MOESNA), representing the Governments of the United Republic of Tanzania, the Republic of Uganda and the Republic of Kenya, the Academy conducted a technical needs assessment mission to Lake Victoria.

The mission produced 45 recommended actions. Topics such as the need to conduct risk assessments, chart updating, restoring non-operational aids to navigation and training of AtoN personnel where amongst high priority actions identified.

As part of the mission a half day Safety of Navigation Seminar was delivered in Mwanza Tanzania and in Kampala Uganda.

Technical mission to Indonesia Borneo and Sulawesi cluster (November 2024)

In November, the Academy conducted a mission to the Borneo and Sulawesi cluster. Report TBD.