

IALA COUNCIL
2nd session



9-13 June 2025
Nice, France

11 – IALA World-Wide Academy

11.1.1 – WWA - Progress Report

World-Wide Academy Progress Report

1 EXECUTIVE SUMMARY

The Academy continues to develop and pursue its strategic goals through its “Enlighten, Educate and Engage” methodology.

In 2025, accredited training organizations in China, France, India, Indonesia, Morocco, Suriname and the United Kingdom have delivered or are in the process of delivering the Level 1.1 Aids to Navigation Manager course, and the worldwide training capacity is now reaching 100 new AtoN managers annually. The successful Level 1.3. Risk Management IALA toolbox is being delivered by the Academy in India, Italy and Portugal. Other courses, at the cutting-edge (S200 data production in Republic of Korea) and dedicated to high level management (reviewed Level 1.2. Master of AtoN in Chile and China) are being delivered as well by the Academy.

Furthermore, numerous technical needs assessment missions and reviews have been carried out, including in Irak (April 2025). The Academy has now conducted more than 60 such missions since its inauguration in 2012.

The new composed and elected Advisory board met for its first session on 9th of April 2025.

2 THE COUNCIL IS INVITED TO

Note the World-Wide Academy Progress Report provided in Appendix 1 and the Action Plan 2025 provided in Appendix 2 to this document.



APPENDIX 1

WORLD-WIDE ACADEMY PROGRESS 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.

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

1. OPERATIONS

The Academy articulates three simple means by which its aims and goals 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. |

1.1. ENLIGHTENING – RAISING AWARENESS

IMLI Visiting lecturer (2-3 April 2025)

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 2024-2025 and the Participants of the IMLI Course on the Law of Ports 2025. The main focus of the lectures was on the legal impact of IMO Resolution A.1158(32) on Guidelines for Vessel Traffic Services.

Participation in Regional Hydrographic Commissions

MACHC - 25 Panama (2-6 December 2024)

The Meso American & Caribbean Sea Hydrographic Commission generated good outcomes. Many countries reported back on IALA activity, e.g. Suriname informed the meeting on IALA training programs delivered or to be scheduled for the next year. Prior to the meeting, during the Capacity Building seminar on Raising Awareness of Hydrography, the experts delivered presentations on Digital Maritime Services Development. The participants were informed of the possibility of obtaining WWA technical support for implementation of digital services. It should be noted that the IALA WWA will not do the work itself but provide guidance on the process and support to conduct a technical gap analysis. This would then generate a roadmap for implementation. Belize could be one of the first countries to start the process.



NIOHC – 24, Bangkok (10-13 February 2025)

The Academy participated in the 24th North Indian Ocean Hydrographic Commission. Among other countries the following target states were present: Bangladesh, Indonesia, Sri Lanka, Myanmar, Pakistan, Yemen, Somalia, Maldives, Sudan, Thailand, Mauritius, Seychelles. A technical mission is agreed with Sri Lanka to take place in July. The expert noted rather low understanding on IALA matters which is a clear difference with other regional hydrographic commissions where the Academy has been more active. The Academy delivered several presentations during the preceding Capacity Building program “Raising Awareness in Hydrography”. This was a good opportunity to fill the gap of knowledge on IALA.

SWPHC -22, Palau (3-5 March 2025)

The Academy briefed the 22nd South-West Pacific Hydrographic Commission via on-line attendance. After this meeting a 2-day workshop on hydrographic contracts and procurement took place. The WWA expert informed the meeting on the WWA Efficient procurement for AtoN Managers course. Due to the general approach of this course it can easily be applied to procurement in hydrography. The meeting will consider the possibilities.

Safety of Navigation Seminar, Singapore (17 February 2025)

At the first General Assembly of IALA held in Singapore, the Singapore Maritime Port Authority hosted a WWA seminar on the Safety of Navigation. The purpose of the seminar for IALA members who provide maritime services worldwide was to exchange information and develop views on:

- Explain the role of the IALA World-Wide Academy (WWA) in global Marine Aids to Navigation (AtoN) harmonization and knowledge sharing.
- Explain coastal States’ AtoN responsibilities under international conventions and IALA standards.
- Explain the principles and application of current best practice maritime digitalization and data exchange tools.
- Describe the IALA training courses that can help coastal States implement AtoN responsibilities, including using digital tools.
- Discuss barriers and solutions for coastal State implementation of international conventions and IALA standards.

The seminar includes real-time polling sequences which revealed that training on maritime digitalization and data exchange tools is most needed, and lack of resources will challenge further implementation.

1.2. EDUCATING – DEVELOPING NEW OPPORTUNITIES

The Academy either helps coastal States in carrying out their training program through the training centers they have accredited under the IALA accreditation scheme, or delivers courses on its own, at IALA headquarter or in partnership with the host country. After an unprecedented year 2024 (281 trained individuals including 41 sponsored participants), 2025 is on the same successful path.

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 September 2024 to March 2025, the Academy contributed to train 77 participants (including 14 sponsored individuals) to participate in the level 1.1 AtoN Manager course.

- China MSA, China (September 2024)

China MSA, with the support of the Academy conducted the level 1.1 AtoN Manager course in Shanghai, Xiamen and Wenzhou. There were 21 participants from 11 countries: Malaysia, Indonesia,



Hong Kong, Mozambique, Kenya, Libya, Pakistan, Republic of Korea, Vietnam, Philippines, and China. 06 participants were sponsored to attend this training from Mozambique, Libya, and Philippines.

- MNTI, Kolkata, India (November 2024)

The Indian accredited training organization MNTI hosted a L1.1. course delivered in English. The Academy experts conducted the whole program in residence. There were 13 attendees from 06 countries: Egypt, Kuwait, Libya, Myanmar, Philippines and India the host country. Four participants were sponsored by the Academy.

- STIP, Jakarta, Indonesia (November 2024)

The accredited training organization STIP hosted the second level 1.1 AtoN management course in Indonesia. This time, the course content was delivered in both English and Bahasa. 15 participants followed the course, 13 from different industrial and commercial companies (private AtoN managers) in Indonesia and 02 WWA sponsored participants from Timor-Leste.

- DGAMPA (CEREMA & ENSAM), Brest, France (November 2024)

CEREMA & ENSAM, conducted a level 1.1 AtoN manager course in Brest. The training benefited 12 participants including two sponsored participants by the Academy (Guinee and Gabon). The training was delivered in French.

- Trinity House, Harwich, UK (03 to 07 March 2025)

The Trinity House L1.1 course ran from the 6th of September 2024 to the 7th of March 2025. Modules 1 and 2 were primarily self-study on-line learning with periodic tutorials. Module 3 was conducted in-person from the 3rd to the 7th of March 2025. 16 students received their certification with the students' home countries including England, Scotland, Ireland, Netherlands, Faroe Islands, Denmark, Czech Republic and Singapore. The IALA WWA sponsored one student from Ukraine.

Level 1.2 Master AtoN Management

- Master AtoN Management, China, Sep 2024

The Academy ran a Master AtoN Management in Xiamen in China from 22nd to 27 Sep 2024; The training was hosted by Jeimi University and China MSA.

21 participants (3 of whom were sponsored) from 14 countries benefited from this training: Thailand, Tanzania, Vietnam, Hong Kong, Solomon Islands, Singapore, Egypt, Malaysia, Somalia, Yemen, Cameroon, Indonesia, Republic of Korea, and China.

A revised and updated version of the training material was used for this L1.2 session. The revision covers updating existing modules and adding new topics responding to new trends in the maritime industry: Ocean governance, digital technologies, and innovation.

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.

- The Use of IALA Risk Management toolbox training, Roma, Italy (11 to 15 November 2024).

This session was conducted with the full support of Italian Coast Guard, after an introduction to the course 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 English 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 16 countries from all over the world. 5 participants from Albania, Tunisia and Ukraine were sponsored by the Academy.

New development : the digital technologies and innovation

WWA conducted the first training session on Marine Aids to Navigation product specifications under the S100/S200 framework, in Busan, Republic of Korea (4-7 march 2025). 21 participants (of whom 2 were sponsored) from 15 countries came together for an in-depth course on Marine Aids to Navigation (AtoN) product specifications and their role in modern maritime data exchange.

Hosted by the Ministry of Oceans and Fisheries, Korea Research Institute of Ships & Ocean Engineering KRISO, and Korea Institute of Maritime and Fisheries Technology KIMFT, this training covered key elements of the Universal Hydrographic Data Model, IALA S-200 product specifications, and the IEC SECOM standard (IEC 63173-2). Together with experts from UK Hydrographic Office UKHO, PRIMAR, United States Coast Guard USCG, Canada Coast Guard CCG, Korea Research Institute of Ships & Ocean Engineering KRISO and IALA, attendees explored the following topics:

- S-100/200 framework and the benefits of data harmonization
- Developing Product Specifications and managing AtoN data
- Scope & content of S-201, S-125, and S-124 product specifications
- Testing & validation tools for S-200 series
- Technical maritime services for real-time data exchange

A sea trial, where participants witnessed real-world data exchange demonstration was organized by KRISO and MOF. This demonstration showcased how AtoN changes—generated from an information system aligned with the IALA S-201 data model—can be efficiently shared with end users.

1.3. ENGAGING – LONG TERM CAPACITY BUILDING RELATIONSHIPS

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

The Indonesian Campaign

As the first year of implementation of the biennial MoU signed by the Republic of Indonesia and the WWA, 2024 saw a number of activities carried out by the Academy: 64 on-site days of technical missions in all Indonesian Clusters; and also three training sessions (two Level 1.1. Manager of AtoN and one Level 1.3. Risk Management IALA toolbox) which aim to facilitating the rise of future trainers able to deliver AtoN training in Indonesian Bahasa language.

While the initial round of technical assessment was achieved last January with a mission to Java island, these WWA's operations reflect a comprehensive and forward-looking approach to enhancing maritime safety and governance in Indonesia. Furthermore, that could be a possible model of collaboration with other archipelago countries.

Mission in Irak

The IALA World-Wide Academy (WWA) started capacity development operations in the Republic of Iraq with a technical needs assessment mission last April. Technical visits took place to Umm Qasr Port and Al-Faw Grand project, which is an integral part of the Development Road Project, connecting Asia to Europe. Stakeholder meetings were organized with the General Company for Ports of Iraq (GCPI) at their headquarters in Basra. Among others, meetings with the Iraq Supreme Maritime Authority (ISMA) and the Arabian Gulf Academy took place which generated fruitful discussions. At the last day in Baghdad, the IALA WWA expert and the Director General of GCPI had the opportunity to brief the Minister of Transportation, about the outcomes of the visit. In a next stage the WWA will advise with a detailed proposal to have officers trained and certified in the field of Marine Aids to Navigation.



APPENDIX 2

ACTION PLAN 2025

The Action Plan is a list of possible activities, agreed with the board, which helps the Academy to prioritize its work. Whether an activity is progressed depends on the resource situation and whether the Academy receives an invitation from the country in question or not. This document reflects the current status of the Action Plan.

AtoN Manager courses (L1.1)

| <i>Planned activity</i> | <i>Status</i> |
|---|---|
| Help deliver several L1.1 AtoN Manager courses spread around the world. Likely locations: United Kingdom, China, France, India, Suriname, Colombia, Morocco and Indonesia. | <u>Confirmed:</u> China, France, India, Morocco (completed), Suriname (completed), UK (completed), Indonesia <u>Under discussion:</u> Colombia <u>Paused:</u> none |

AtoN Master courses (L1.2)

| <i>Planned activity</i> | <i>Status</i> |
|---|--|
| Up to four L1.2 AtoN Master Courses, one in Europe, one in Asia/Pacific and one in South America. | <u>Confirmed:</u> Chile, China <u>Under discussion:</u> Malaysia <u>Paused:</u> IALA HQ |

Risk Management courses (L1.3)

| <i>Planned activity</i> | <i>Status</i> |
|---|---|
| Three to four L1.3 Risk Management courses spread around the world. | <u>Confirmed:</u> Spain (completed), Italy (completed), Portugal, India, Risk management Seminar (IWRAP super-user), Cameroon (SIRA) <u>Under discussion:</u> none <u>Paused:</u> none |

Other courses

| <i>Planned activity</i> | <i>Status</i> |
|---|---|
| Deliver the Procurement course worldwide. Develop and deliver various short courses based on IALA guidelines. Develop and deliver a course on Digitalization (S-200). | <u>Confirmed:</u> S-200 Korea (completed : 3-7 march 2025) <u>Under discussion:</u> Procurement course, S-200 course IALA HQ <u>Paused:</u> none |



Technical needs assessment and follow up missions

| Planned activity | Status |
|---|--|
| Conduct missions as opportunities arise and where relevant as agreed with sponsors. Possible locations: Albania, Slovenia, Democratic Republic of Congo, Dominican Rep, Guinea, Ghana, Guinea Bissau, Indonesia, Iran, Iraq, Myanmar, Somalia, Yemen, Tanzania, Uganda, Honduras, Peru, Haiti, Madagascar, Cameroon, Vietnam, Belize, Philippines... | Confirmed: Honduras, Indonesia, Iraq Under discussion: Dominican Rep., Sri Lanka Paused: Tanzania |

Hydrographic commission meetings (awareness raising and lobbying)

| Planned activity | Status |
|---|----------|
| Attend some of the hydrographic commission meetings (NOICH, MACHC, MBSHC, EAtHC, RSAHC/ROPME, SAIHC, SWPHC...). | Underway |

VTS related activities

| Planned activity | Status |
|---|---|
| Assist when requested with developing and delivering and assessing VTS training worldwide. (possibly Philippines, Thailand, India, Malaysia, ASEAN VTS training, Kingdom of Saudi Arabia). | Under discussion : Assisting with VTS training in Malaysia (JANA & Matrain) Nov 2025, Indonesia (support to a Training Organization accreditation renewal) |

Other activities (not exhaustive list)

| Planned activity | Status |
|---|----------|
| <ul style="list-style-type: none"> • World Aids to Navigation Day event • IMO NCSR, TCC • Rep.Korea Maritime Week • International Women in Maritime Day • Joint CB Group meeting • ATO Seminar(s) • Alumni workshop(s) • Lecturing at WMU/IMLI/Jimei University • APHoMSA 2025 (Asia Pacific Head of Maritime safety agencies) • IALA French and Spanish Support Groups • Joint IMO, IHO and IALA Western Caspian Sea Event • Preliminary new contacts with : Philippines, Mexico | Underway |