



SUCCESSFUL VOYAGES, SUSTAINABLE PLANET

ANNUAL REPORT 2023





International Association of Marine Aids
to Navigation and Lighthouse Authorities

ANNUAL REPORT 2023

SUCCESSFUL VOYAGES, SUSTAINABLE PLANET

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A MESSAGE FROM THE PRESIDENT AND THE SECRETARY-GENERAL

Without doubt the highlight of the year was our 20th Conference held from 27 May to 3 June in Rio de Janeiro where we followed the theme Marine Aids to Navigation - Innovation for a Sustainable Future. This great event saw nearly 600 delegates attend from 72 States and was most efficiently hosted by the Navy of Brazil, Marinha do Brasil, with generous international and national sponsors and supporters including our own Industrial members.

Conference business was preceded by the 4th Heritage Seminar and a World-Wide Academy seminar. These events were well supported as the shop window of IALA, of our hosts and sponsors and of our diverse and extensive membership.

The General Assembly was held and a new Council, comprising representatives of 24 States, was elected. Mr. Marcos Almeida, from Brazil, took over the Presidency for the period 2023-2027. Mr. Natrajan Muruganandam, from India, was elected Vice-President for the same period and will host the 21st Conference. Conclusions of the Conference will guide the work of our Technical Committees to 2027.

Our highly successful IALA World-Wide Academy has now been in operation for more than a decade and in the year under review many important meetings and missions were undertaken with the Academy engaged with education and fact-finding across the globe. Capacity building missions undertaken this year have included those to Albania, Iran, Ivory Coast, Sierra Leone and Venezuela.

On World Marine Aids to Navigation Day the Kingdom of Morocco hosted the principal event in Tangier, on 4 and 5 July, involving Cap Spartel lighthouse to celebrate its nomination as IALA Heritage Lighthouse of the year.

The Phares de France Association, supported by the French State Secretariat for the Sea in collaboration with IALA, organized in October at Le Verdon-sur-Mer, a concluding seminar of celebratory events for the bicentenary of the lighting on 25 July 1823 which employed the first stepped lens by Augustin Fresnel at the Cordouan Lighthouse in the Gironde estuary.



Marcos ALMEIDA
PRESIDENT



Francis ZACHARIAE
SECRETARY-GENERAL

In November, the First Latin American Seminar on Aids to Navigation was held in Buenos Aires, organised by the Academia Hidrovía de Capacitación en Ayudas a la Navegación together with the Servicio de Hidrografía Naval and IALA. This was the first regional meeting of Spanish-speaking States to be informed of IALA's General Work Plan.

We continue to have the most cordial relations with other organizations in our work at IMO, IHO and ITU and other highly respected bodies in the international maritime community working to ensure the safety of life at sea and the protection of the global environment.

Each time it meets the IALA Council is updated about the change of status transition relative to the Convention on the International Organization for Marine Aids to Navigation and, particularly, preparation for the first General Assembly of the new organization.

Today's Council will be the transitional Council when the new IALA Convention enters into force, most likely in 2024. With this on the

horizon we have started to plan the complicated transition period from IALA as an NGO to the new IGO and the successful transfer of the Secretariat function. At the end of the year only three ratifications were required to prepare for the change of status with an inaugural event to be hosted by Singapore.

At the end of the year we bade farewell to our Treasurer, Captain Ian McNaught, who for twelve years served most competently as our Treasurer and we wish him well for a long and happy retirement.

We are pleased to report that the Membership, ably supported by the Secretariat, continues to forge the IALA character.

UNDERSTANDING IALA

Established in 1957, IALA is a not-for-profit, international technical association. It brings together marine aids to navigation authorities, manufacturers, consultants, and scientific and training institutes from across the globe to exchange and compare experiences and knowledge for the improvement and harmonization of maritime navigation services worldwide.

The work of IALA in creating technical guidance documentation, and in training and capacity building, is focused towards achieving the goals of a Strategic Vision.

IALA encourages its members to work together in a common effort to harmonize Marine Aids to Navigation (AtoN) worldwide and to ensure that the movements of vessels are safe, expeditious and cost effective while protecting the environment.

Taking into account the needs of mariners, developments in technology and the requirements and constraints of marine aids to navigation authorities, a number of technical committees have been established bringing together experts from around the world. Their work ensures that mariners have AtoN which will meet their needs both now and in the future. Thus IALA contributes to a reduction of marine accidents, increased safety of life and property at sea, as well as the protection of the marine environment.

IALA IN NUMBERS

1957

Date of establishment

16

Staff members

82

Trained AtoN managers
by the WWA in 2023

348

IALA members (in 2023)

1354

Participants
to IALA meetings in 2023

7

Standards

76

Recommendations

172

Guidelines

CORE VALUES

IALA'S CORE VALUES ARE:



CREDIBLE

To be credible means being recognized, respected, trustworthy and reliable.

- We provide a worldwide and high-quality service.
- We drive the development of state-of-the-art technologies within Marine Aids to Navigation.
- We engage the world's leading experts to develop our products.



DYNAMIC

To be dynamic means actively and continuously striving to improve.

- We respond quickly to the needs of the maritime community.
- We adopt flexible working arrangements to stay agile.
- We encourage and stimulate innovation through awareness of global maritime developments.



RESULT-ORIENTED

To be result-oriented means to focus on outcomes rather than processes.

- We set clear objectives and goals with defined timelines.
- We create high-quality technical documents that are practical, usable and easily accessible.
- We produce outcomes that are non-political and non-commercial.



CONNECTING

To be connecting means to reach out to individuals and organizations in order to share knowledge and experience and to provide support to achieve common goals.

- We welcome individuals and organizations from around the world.
- We bring together experts and facilitate exchange of knowledge and experience.
- We assist the maritime community in meeting its international obligations.

STRATEGIC VISION

IALA's mission is to foster the safe, economic and efficient movement of vessels through Marine Aids to Navigation worldwide.

IALA's vision for achieving this is that:

- Marine Aids to Navigation are developed and harmonised through international cooperation and the provision of standards, and that
- All coastal states contribute to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.

SUSTAINABLE DEVELOPMENT GOALS

	<p>Through continued improvement of standards, IALA promotes safe and efficient shipping and the economic growth it supports.</p>		<p>IALA World-Wide Academy focuses on those coastal states with the greatest need, in order to assist them to fulfil their SOLAS obligations.</p>
	<p>Through continued improvement of standards, IALA promotes safe and efficient shipping which contributes to sustainable logistics.</p>		<p>IALA provides guidance on sustainable and environmentally responsible activities within its remit.</p>
	<p>Healthy oceans are critical. IALA continues to develop standards that contribute to clean and abundant coastlines and oceans.</p>		<p>IALA continues to promote sustainability and an ethos of environmental management in the design, operation and disposal of Marine Aids to Navigation.</p>
	<p>IALA World-Wide Academy sets the global standards for training and capacity building in the provision of Marine Aids to Navigation.</p>		<p>IALA continues to encourage the use of renewable energy.</p>
	<p>IALA supports gender equality and empowers women in the maritime sector.</p>		<p>IALA sets global standards for the provision of Marine Aids to Navigation, contributing to the protection of the marine environment.</p>
	<p>IALA recommends sustainable and environmentally friendly management principles in relation to all Marine Aids to Navigation activities.</p>		<p>Life on land is supported by marine transport. IALA continues to develop global standards for Marine Aids to Navigation provision.</p>
	<p>IALA continues to encourage the use of renewable energy.</p>		<p>IALA aims to bring together Governments, services and organizations to strive for the improvement and harmonization of Marine Aids to Navigation.</p>
	<p>IALA promotes capacity building and career advancement through the World-Wide Academy and its missions and training programs.</p>		<p>IALA works closely with the IMO, IHO and others under the UN 'Delivering As One' approach to improve maritime safety and to further the protection of the marine environment.</p>
	<p>IALA promotes innovation and recognizes the importance of the involvement of the Industrial members within its committee structure.</p>		

SECRETARIAT

- The Secretariat is based in Saint-Germain-en-Laye, near Paris, France and consisted of 12 permanent staff members in 2023. Additionally, several experts and consultants assisted the Secretariat in various areas. The Secretariat hired 4 students in apprenticeship contract to assist the IT and accounting department.
- The Secretary-General acts as the legal representative of IALA and oversees the operations of the Association.
- The secretariat was organized into three different divisions: Technical Operations, Administration and Finance, and the World-Wide Academy.

MEET THE TEAM

DIRECTION



Francis Zachariae
Secretary-General

Francis is appointed as the Secretary-General by the Council in accordance with the Constitution Article 8.2.2. The Secretary-General acts as legal representative and Chief Executive of IALA.



Omar Eriksson
Deputy Secretary-General and Dean

Omar has served as the Dean of the IALA World-Wide Academy since 2016 and took also over the role as Deputy Secretary-General in 2018.



Christine Philip
Finance and Administration Manager

Christine oversees the financial operations of the Organization, prepares the budget for the Finance and audit Committee and the Council. She leads the administrative team since 2015 and manages human resources, ensuring compliance with the Staff Rules.



Minsu Jeon
Technical Operations Manager

Minsu manages the technical operations at IALA, ensuring that all outcomes are in alignment with the organization's objectives. He represents IALA in a technical capacity and leads the technical team.

WORLD-WIDE ACADEMY



Gerardine Delanoye
Capacity Building and Resources Manager

As one of the first staff to join the Academy, Gerardine was instrumental in developing the IALA training division. Now she conducts technical cooperation visits to the Academy target states and balances the program and resources. To understand the needs of all Coastal States she attends the IHO Regional Hydrographic Commissions and other events with sister organizations. She is a visiting lecturer at the IMO Maritime Law Institute in Malta.



Latifa Oumouzoune
Education and Training Manager

At IALA World-Wide Academy, Latifa is in charge of Education and Training activities. Acting as the Education and training manager, she is responsible for programme development, delivery and assessment, and other tasks supporting the academy functions. Latifa is specialized in Maritime education and training and graduated from the World Maritime university WMU. In her current job at IALA WWA, Latifa travels often and supports with the delivery of the Academy training courses worldwide.



Khushi Chitra Uday & Neha Shakya
Data Specialist Apprentices

Khushi and Neha work with various data science projects within the WWA.

TECHNICAL OPERATIONS



Thomas Southall
Technical Operations Officer

Tom provides technical leadership and advice on all aspects of AtoN management ensuring compliance with IALA's governance and strategic objectives. He manages and coordinates events and the work of diverse technical committees and workshops and has authored strategic publications, including the recently published 'Future of MASS'. Tom represents IALA at many events and engages with a global stakeholder group, building solid and enduring relationships to build global capacity and awareness of AtoN management. In his free time, Tom contributes to a range of technical organizations actively contributing to their strategic direction and external influence.



Jaime Alvarez
Technical Operations Officer

Jaime is in charge of coordinating and executing sessions of the technical committees and assist in the preparation of workshops, seminars, conferences and symposia. He ensures that the work of the committees and their deliverables are meeting the objectives of the strategic vision and committee work programme. He also participates the WWA missions in Spanish speaking countries.



Audrey Guinault
Communication Officer

Audrey works mainly on IALA's internal and external communication. She posts on official social media accounts, publishes the 'e-Bulletin' newsletter quarterly and the annual report. She updates the news on the IALA website and prepares event-related communication. She also acts as secretary for the Council and the Legal Advisory Panel.



Swann Martineau
IT Developer Apprentice

As an IT Developer, Swann assists the Technical Operations Manager in improving the existing databases. Its mission was a one-year project aimed at providing an IT general support and developing an in-house system adapted to the needs of IALA.

madapted to the needs of IALA.



Julie Navarre
Administrative and International Relations Assistant

The first friendly face you see as you enter the IALA Headquarters is Julie at the front desk, she is in charge of the committees logistics and preparation on all events hosted at the Headquarters. In 2023, she has also assisted in the organisation of the General Assembly and Conference in Rio. She replies to members' enquiries in English, French and Spanish and writes high-level correspondences in all three languages. Julie also acts as secretary to the Industrial Members Group and is part of the Secretariat's Communication Group.

ADMINISTRATION & FINANCE



Isabelle Bracq
Officer Manager

Liaising with our different partners, Isabelle takes care of the good functioning of the Secretariat and the smooth running of the meetings and events it hosts. She also participates in the organization of some international meetings such as Conferences and Waton Day. In charge of the accounting for IALA, she is also involved in the work of the WWA (Registrations, travels logistics, Alumni monitoring).



Christina Schneider
Seconded Officer

Christina was a seconded officer from the Federal Waterways and Shipping Agency in Germany from September 2023 to February 2024. She also has been the chair of the IALA Legal Advisory Penal since 2018. She was seconded to IALA to help prepare the change of status from the association to the IGO.



Lorraine Mbong
International Relations and Membership Officer

Lorraine has been happy to serve the organization for almost twenty-two years and is particularly proud to be accompanying it towards its IGO new destiny. She liaises with the States or their diplomatic representatives for any matter in relation with the change of status process, is responsible for the protocol, and acts as the Executive Secretary to the Secretary-General for diplomatic issues. She is in charge of the membership application process and all related enquiries. She monitors the logistic preparation and running of the Conferences, General Assemblies and Council.



Virginie Grondin
Accounting Assistant Apprentice

Virginie is a student in accounting finishing her degree, she assists Isabelle during her apprenticeship. She is in charge of daily accounting, invoice to members and reminders but also helps with administrative tasks.

MEMBERSHIP

CATEGORIES

IALA comprises four membership categories:

①

National membership:

National Authorities legally responsible for the provision, maintenance or operation of Marine Aids to Navigation in their countries.

②

Associate membership:

Services, organizations, scientific agencies concerned with Marine Aids to Navigation or related matters.

③

Industrial membership:

Manufacturers, distributors and organizations providing Marine Aids to Navigation equipment for sale and Marine Aids to Navigation services or technical advice under contract.

④

Honorary membership:

Conferred for life to individuals who are considered by the Council to have made an important contribution to the work of IALA.



Rio de Janeiro

STATUS



In 2023, IALA was joined by Twenty- seven new members: three National members, four Associate members and twenty Industrial members.

National membership was joined by: The Albanian Navy, the Ministry of Transport and Civil Aviation in the Maldives and the Ministry of Public Works and Transport in Cambodia, bringing the number up to 96.

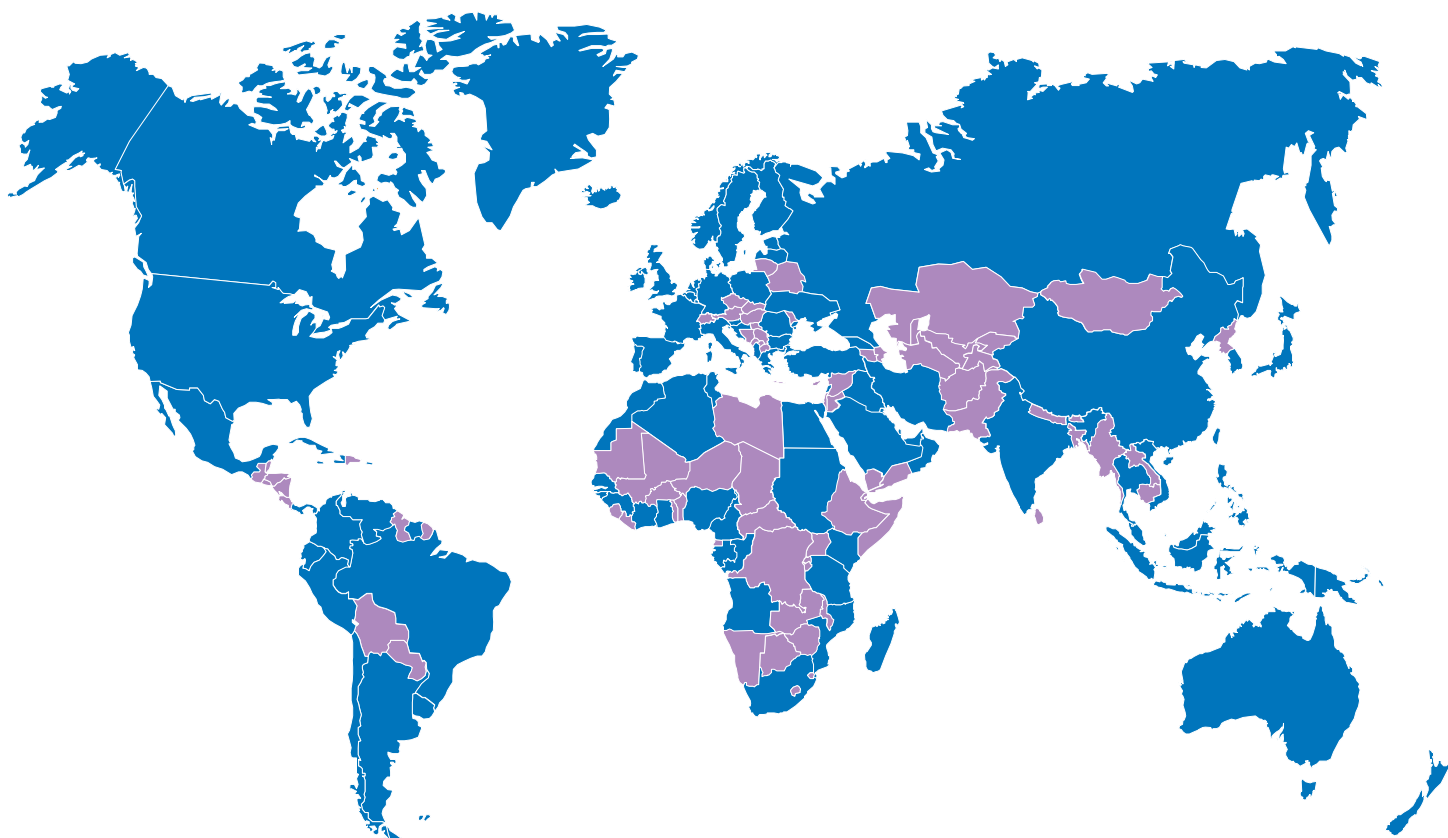
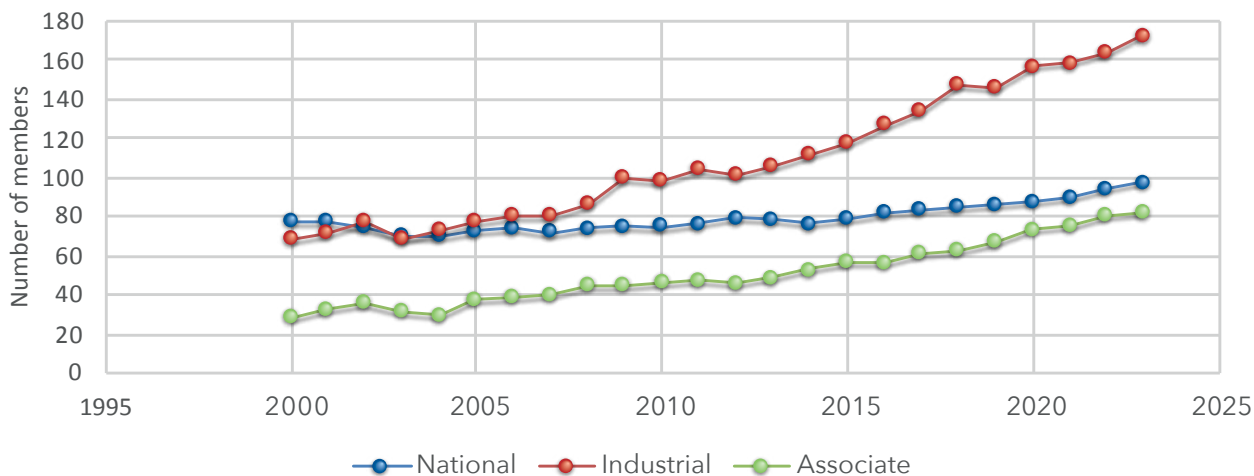
The following organisations joined as Associate members: Korea Center for International Maritime Safety Cooperation and Korea Electronics Technology Institute in *the Republic of Korea*; Antwerp Maritime Academy in *Belgium*; and Johor Port Authority in *Malaysia*.

IALA has also welcomed the following Industrial members in 2023: Qingdao Geetsatcom Technology Co., Ltd in the People's Republic of China; La Maquinista Valenciana Balizamentos, Señalización Náutica y Energías Renovables in Spain; ; AIVeNautics Corp. in *the Republic of Korea*; Integral Project IT, S. de R.L de C.V in *Mexico*; National Polyethylene Company in *Saudi Arabia*; Grupo Acquaplan in Brazil; India Navigations Aids and MSZ Offshore and Underwater Services LLP in India; United Technical Marine Denizcilik San.Ve.Tic;Ltd; Şti; and PMS Polietilen Mamulleri San Tic. A.S in Türkiye; Inversiones Expometal II C.A and Carrocerias Mariara C.A in Venezuela; MarineLabs Data Systems Inc. in Canada; ArkEdge Space Inc. in Japan; Adolpha Maritime Group, in the Bahamas; TM One, TM Technology Services SDN BHD in Malaysia; Horizonte AS in Norway; NCS Pte. Ltd in Singapore; and Compañía Internacional de Integración Ci2 S.A in Colombia. The Indian Institute of Technology Madras in India has also changed its category from Associate to Industrial membership due to new developments in its activities focused on engineering solutions. The membership growth was nevertheless impacted by some resignations noted along the year and a few terminations proceeded by the IALA Council in December for non-payment of contributions after the Secretariat had exhausted all efforts to collect the debts. On 31st December 2023, IALA membership consists of 348 in the above three categories, which is 3% more compared to 2022. In addition, IALA also counts 43 Honorary members.

EVOLUTION

The figure below shows the membership evolution in the last twenty years and the map gives an overview of the IALA National membership around the world in 2023.

MEMBERS EVOLUTION (ALL CATEGORIES) SINCE 2000



■ Countries in which IALA has a National member
■ Countries in which IALA has no National member

On 31 December 2023, IALA counts 348 members in the world, from 100 countries and territories

96 National members

171 industrial members

81 Associate members

GOVERNANCE



GENERAL ASSEMBLY

The General Assembly brings together members from all the IALA membership categories every four years and usually convenes in conjunction with the four-yearly IALA Conference.

National members attending the General Assembly are entitled to:

- determine the IALA strategy
- elect members to the Council
- decide upon changes to the IALA Constitution
- decide on IALA Standards (from 2018 onwards)

Associate and Industrial members are entitled to attend the General Assembly and take part in the discussions, but they do not have the right to vote.



COUNCIL

IALA is headed by a President elected by the Council.

The Council comprises 21 elected and three non-elected members. It approves the strategic direction, the annual budget, and the rates for members' annual contributions.

The three non-elected members are a National member of the Host Nation (France), the National member which hosted the previous IALA Conference and the National member which will host the next Conference.

FINANCE AND AUDIT COMMITTEE (FAC)

The Finance and Audit Committee (FAC) consists of five members who are elected from amongst the members of the IALA Council. The FAC elects its Chair, who acts as IALA Treasurer.

The role of the FAC is to provide, twice a year to the Council, recommendations related to financial matters including the execution of the budget; investments; audit observations and the status of membership contributions.

POLICY ADVISORY PANEL (PAP)

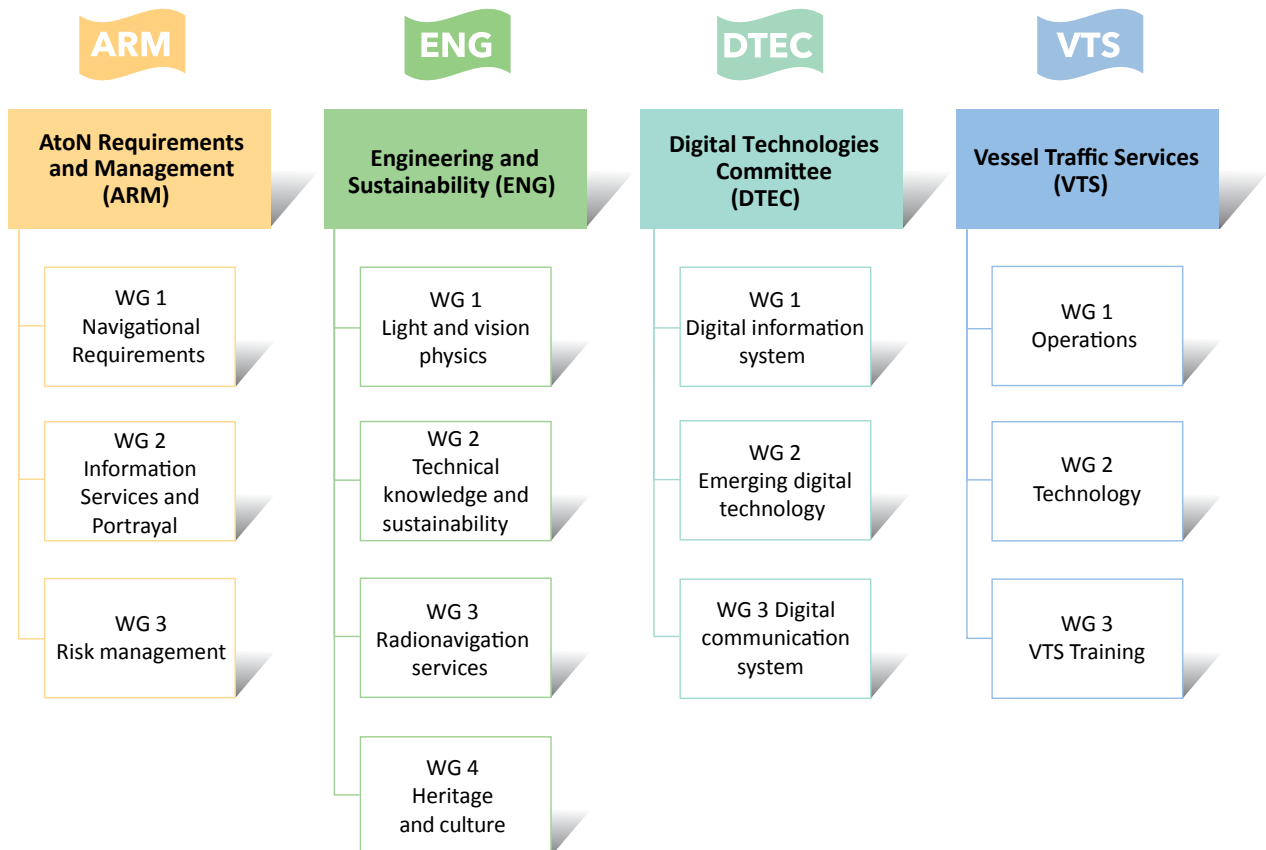
The Deputy Secretary-General chairs meetings of the Policy Advisory Panel (PAP), which advises the Council on strategy and policy matters related to the technical activities. The PAP convenes twice a year and its members include the four Committee Chairs and Vice Chairs, the Chair of the Legal Advisory Panel, the Dean of the World-Wide Academy and a member of the Industrial Members Committee.

LEGAL ADVISORY PANEL (LAP)

The Legal Advisory Panel (LAP) is an advisory body to the Council on legal aspects of all technical activities. The LAP also took intensive part in the work on the planned change of IALA status, mainly through extraordinary meetings. During the period under review the LAP was chaired by Ms Christina Schneider of Germany. The LAP meets normally twice a year.

COMMITTEES

Committees are the 'engine room' of IALA. They are organized in 4 work domains as follows:



INDUSTRIAL MEMBERS GROUP (IMG)

The Industrial members form an integral part of the IALA family and the ARM, ENG, VTS and DTEC Committees is where they jointly provide valuable technical knowledge and first-hand experience to IALA.

The Industrial Members Group (IMG), which consists of elected companies Industrial members of IALA, is the organ that takes care of the Industrial members' interests within IALA. The IMG is an observer at IALA Council and at meetings of the Policy Advisory Panel.

On 1st June 2023, the Industrial Members joined for their General Assembly in Rio de Janeiro, Brazil. The new code of conduct and updated Terms of Reference were approved at the General Assembly. On this occasion a new board of the Industrial Members Group was elected unanimously.

The Industrial Members Group for the 2023-2027 period is:

COMPANY NAME	REPRESENTATIVE FOR
Aatash Norcontrol Ltd, India (Presidency)	Country of next Conference
ARBO Plásticos, Brazil (Vice-Presidency)	The Americas
Tideland Signal Manufacturing, LLC, USA	The Americas
Sealite Pty Ltd, Australia	Asia and Oceania
Japan Radio Co, Ltd, Japan	Asia and Oceania
Mediterráneo Señales Marítimas, Spain	Europe and Africa
Floatex SRL, Italy	Europe and Africa
Australian Maritime Systems Group, Australia	All members
Sabik, Finland	All members

CODE OF CONDUCT FOR IALA INDUSTRIAL

Industrial members of IALA commit to:

Enhancing the standing of the profession by:

- ◆ Embedding the IALA standards into the products and services offered.
- ◆ Providing Marine Aids to Navigation products and services which respond to the operational and technical needs of their clients.
- ◆ Offering support and guidance over the lifespan of Marine Aids to Navigation.
- ◆ Never engaging in conduct which would bring the Marine Aids to Navigation profession or IALA into disrepute.

Enhancing the proficiency and stature of the profession by:

- ◆ The sharing of expertise in a productive and open manner to facilitate the continued innovation and development of the IALA standards through the IALA technical committees or other fora.
- ◆ Committing to the development of their personnel through training and continual professional development activities.
- ◆ Providing objective advice to Marine Aids to Navigation authorities seeking to enhance their knowledge and capacity.

Ensuring full compliance with laws and regulations by:

- ◆ Adhering to the laws and regulations of the countries that they operate in.
- ◆ Fulfilling agreed contractual obligations.

MEMBERS

Promoting the eradication of unethical business practices by:

- ◆ Providing a safe and healthy working environment.
- ◆ Respecting human rights, without discrimination of any kind and taking steps to ensure that slavery and human trafficking is not taking place in the supply chains or in any part of the business.
- ◆ Preventing corruption, bribery and fraud and rejecting any improper business practices or those which might reasonably be deemed as improper.
- ◆ Ensuring that any information given in the course of business is accurate and not misleading.
- ◆ Adhering in all business practices to the principle of fair competition and ensuring that anti-competitive conduct is avoided.

Promoting environmental protection and sustainability by:

- ◆ Actively ensuring that risks to the environment are identified and actions taken to mitigate those risks.
- ◆ Ensuring that products and services are sourced, offered and provided in an environmentally sustainable manner.
- ◆ Optimizing the use of resources to facilitate long-term sustainability.

THE TRANSITION TO AN INTERGOVERNMENTAL

THE TRANSFORMATION OF IALA FROM A NON-GOVERNMENTAL ORGANIZATION TO AN INTERGOVERNMENTAL ORGANIZATION IS JUST AROUND THE CORNER.

The first signing ceremony of the Convention on the International Organization for Marine Aids to Navigation was held on 27 January 2021 in Paris and as depositary State of the Convention, France, represented by Mrs. Annick Girardin, Minister for Marine Affairs, was the first State to sign the Convention.

This ceremony marked the opening for signature of the Convention for a period of one year. All Member States of the United Nations, and in particular the other signatories of the Final Act of the Kuala Lumpur Conference, were invited to sign the Convention at the Protocol of the Ministry for Europe and Foreign Affairs.

A final signing ceremony was held at the last day of the signature period on 26 January 2022 in the IALA HQ in St. Germain en Laye. During the signature period 50 States signed the Convention and by December 2023, 26 States had ratified, accepted or acceded to the Convention.



Fresnel Lens Exhibition

N L ORGANIZATION

States that have signed the Convention are invited to transmit the instruments of ratification, acceptance or approval to France, the depositary State. All Member States of the United Nations that have not signed during the signature period, may accede to the Convention, which will enter into force on the ninetieth day after the date of deposit of the thirtieth instrument of ratification, acceptance, approval or accession.

The certified versions of the Convention in Arabic, Chinese, English, French, Russian and Spanish can be found on the IALA web site <https://www.iala-aism.org/the-igo-project/>

The Secretariat has started the detailed preparation for the transition period between the start of the new organization and the termination of the present association which is regulated in the annex to the Convention: The Transitional Arrangements. The present Constitution and the Transitional Arrangements regulates the transfer of assets and liabilities, the termination of the present IALA, the governance of the new organization and the transfer of members from the present IALA to the new intergovernmental organization.

The first General Assembly of the new IGO be convened within six months after the entry into force of the Convention.



Industrial Exhibition Opening

FINANCIAL POSITION

BY CHRISTINE PHILIP, FINANCE AND ADMINISTRATION MANAGER

The financial Statements are prepared by the French chartered accountant KPMG and audited by RSM Paris. They are presented in accordance with French accounting principles, on a consolidated basis which include IALA's activities and, since 2012, those of the World-Wide Academy.

IALA is mainly funded by contributions from its members and manages a budget approved by the Council, while the World-Wide Academy manages a budget approved by the Academy Board and is independently funded by generous sponsorship received from external donors.

Activities and operations returned to normal during 2023. The budget allowed the Secretariat to absorb the costs associated with the resumption of all Committee sessions at the Headquarters, the organisation of the 20th IALA Conference in Brazil and the Conference on the General Regulations in Tokyo. The increase in income is linked to the accession of new members in 2023 (+3%).

The Organisation closed its financial year with a consolidated net surplus of €280,172. The solid financial reserves will enable the association to successfully complete its merger into an intergovernmental organization in due course.

FINANCIAL REVIEW	2023	2022
VOLUME DATA		
NUMBER OF MEMBERS (UNITS)	348	337
National	96	93
Industrial	171	164
Associate	81	80
ANNUAL RATES (€)		
National	18 200	18 200
Industrial	6 350	6 350
Associate	3 070	3 070

CONSOLIDATED INCOME STATEMENT (IN €)	2023	2022
Operating income	4 105 598	3 766 248
Operating expense	3 952 086	3 534 837
OPERATING RESULT	153 512	231 411
Financial income	112 312	21 974
Financial expense	2 425	7 184
FINANCIAL RESULT	109 887	14 790
Exceptional income	31 589	31 589
Exceptional expense	0	12 843
Exceptional result	31 589	18 746
CORPORATE TAX ON PROFIT	14 815	2 751
Total income	4 249 499	3 819 811
Total expense	3 969 327	3 557 615
RESULT FOR THE FINANCIAL YEAR	280 172	262 196

BALANCE SHEET (AT DECEMBER 31)	2023	2022
ASSETS		
Intangible assets	2 099	4 119
Property, plant & equipment	1 421 285	1 543 479
Financial assets	37 256	36 610
Receivables	94 076	221 730
Available funds & prepaid expenses	5 316 223	4 596 037
TOTAL NET ASSETS	6 870 942	6 401 975
LIABILITIES		
Not-for-profit funds	3 954 778	3 724 171
Reserve for associative project (Conference)	300 000	300 000
Result for the financial year	280 172	262 196
Dedicated funds	454 750	429 010
Provisions for risks and charges	874 526	770 909
Debts	1 006 714	915 689
TOTAL LIABILITIES	6 870 942	6 401 975

WORLD-WIDE ACADEMY FINANCIAL SITUATION (EUROS)

REVENUES	2023	2022
IFAN	695 000	695 000
France	20 000	20 000
Republic of Korea	103 863	110 807
Malaysia	125 000	100 000
Singapore	66 000	100 000
IMO	134 005	69 815
Trinity House	28 240	25 000
Japan Aids to Navigation Association (JANA)	9 069	22 210
Australian Maritime Safety Authority (AMSA)	0	6 899
Revenues from course registration fees	29 875	61 031
Sponsors for Disaster Recovery Fund	0	32 400
Financial income	124	2
TOTAL	1 211 175	1 143 166

EXPENSES	2023	2022
Education & training	471 272	334 579
Capacity building	174 539	132 089
Research & development	25 703	2 365
Other Academy related	130 629	130 479
Permanent staff's costs	383 292	355 513
TOTAL	1 185 434	955 025

INCOME AGAINST EXPENDITURE	25 741	188 141
<i>Reserve from previous year</i>	<i>429 010</i>	<i>240 869</i>
<i>Available fund carried forward to next year</i>	<i>454 751</i>	<i>429 010</i>



THE IALA YEAR

JANUARY

ENAV EM1

During the 30th meeting of the ENAV Committee it was decided to hold an extraordinary meeting of ENAV in the IALA HQ starting on the 30 January to keep the momentum on a number of very relevant matters in the scope of ENAV.

The extraordinary meeting was held from 30 January to 9 February 2023; chaired by Hideki Noguchi and vice-chaired by Jorge Arroyo. The Secretary for the meeting was Jaime Alvarez.

There were 84 registered participants, 13 for the first time, from 22 countries and 4 sister organizations.

This was the 9th meeting for the 2018-2023 Work Programme and the Committee considered 22 input papers and produced xx output papers.



FEBRUARY

Workshop on Digital Maritime Communication

The IALA workshop on Digital maritime communication was held between the 20 and 24 February 2023 at Etchujima Campus of the Tokyo University of Marine Science and Technologies, Japan.

The workshop was very well attended with 97 participants from 20 countries.



MARCH

PAP49



The 49th session of PAP was held in person between 7 - 9 March 2023.

Key outcomes included:

- The draft 2023 - 2027 Work Programme.
- A draft input to IMO regarding IALAs activities regarding MASS.
- A draft proposal on an IALA workshop on MASS.
- A proposal for changing the name of the ENAV Committee to the Digital Technology (DTec) Committee

The PAP was also updated on many items including:

- IALAs involvement in the review of the STCW Code
- The AIS document review
- S-200 development
- Maritime Resource Name (MRN)

Visit to Albania



During the meeting held on 29 March 2023, The Minister of Defence, Mr. Niko Peleshi, explained to the Secretary-General Mr. Francis Zachariae, the ambitious maritime strategy of Albania and the importance his government places on safety of navigation and protection of the marine environment. The agreement to join IALA was signed later by the Navy Commander, Rear Admiral Adnand Agastra, in his Headquarters, in the beautiful coastal city of Durres.

MAY

Heritage Workshop

In the auspice of the 2023 IALA Conference held in Rio de Janeiro, the Brazilian Navy hosted a seminar on Heritage from 27 to 28 May 2023. The seminar was structured with presentations on relevant topics.

The seminar generated 8 conclusions:

1. The Incheon Convention has left a positive legacy with a renewed and vibrant interest in lighthouse heritage and culture evident within the ENG Committee, the seminar noted that heritage and cultural value is now embedded in many national strategies, this was not the case 15 years ago.
2. Coastal States are invited to take advantage of the UNESCO World Heritage site application process as presented by France.
3. Innovation today can be heritage and culture tomorrow as demonstrated by Fresnel's invention.

4. Lighthouses were historically built following a significant ship wreck, now AtoN are provided following a risk assessment to prevent a disaster and to protect the marine environment.

5. Community engagement is an essential way to ensure that lighthouse heritage thrives as a viable asset to the local area.

6. Nations can collaborate and share expertise from IALA to overcome challenges and develop their lighthouse estate.

7. Maintenance of heritage structures requires a detailed plan with suitable processes, examples are as structural repair, classic light source replacements and mercury replacement.

Competent authorities are invited to the IALA Heritage website <https://heritage.iala-aism.org/> and consider nominating a heritage lighthouse within their responsibility, remembering that heritage may include modern lighthouses.

Council77

The 77th session of the council meeting was held on 28 May 2023 at the Windsor Barra Hotel, Windsor Convention Centre, Rio de Janeiro, Brazil just prior to the beginning of the conference.

It was the last council meeting of the working period 2018-2023.



Conference

The 20th IALA Conference 2023 was held from Sunday 28 May until Saturday 3 June 2023 at the Windsor Convention and Expo Centre, Rio de Janeiro, Brazil. The theme for the Conference was "Marine Aids to Navigation Innovation for a Sustainable Future".

The Conference was attended by 579 registered delegates. The industrial exhibition had 36 companies with 69 booths and attracted 150 exhibitors. The Conference was supported by many staff members from the host country.

The delegates represented 72 countries.

The conclusions of the Conference were:

- Sustainability and its link to the UN SDGs is of increasing importance and IALA is duty bound to raise the profile of this area in the committees. Members should continue to innovate sustainable approaches by recognizing, developing and reviewing the whole lifecycle of AtoN services.
- In addition to GNSS, various space and terrestrial technologies are able to provide PNT and integrity information to the maritime user. IALA should continue to facilitate collaboration and standardisation taking a holistic approach to achieve resilient PNT.
- To achieve digital transformation in the S-100 domain, the importance of collaboration and continued dialogue between IHO, IALA and other domain controllers is necessary. IALA should stand ready to assist coastal authorities with their transition to S-100 related products.
- Autonomy is a driver to leverage the development of digital products. AtoN has

a role in support of autonomous vessels and technology needs to be standardized to meet the future requirements of all vessels.

- The IALA Risk Toolbox has proven benefits for members but should be enhanced to cover all ships on all voyages. The IALA Toolbox forms an essential part of assessment of risk and their mitigation requirements. Simulation techniques provide for a comprehensive assessment of mitigation measures.
- IALA should encourage members to collaborate and have proper structures and procedures in place in order to prevent, identify, deal with and recover effectively from cyber security events. IALA has a role in supporting dissemination of lessons learnt in order to increase resilience against these threats.
- VTS technology needs to take into account human factors with increased digitalization, including AI in VTS.
- IALA acknowledges that virtual tools and the use of e-learning contributes to flexible, efficient and sustainable training. In addition, IALA recognizes its role in promoting the use of language testing tools to improve the communication capabilities of VTS operators.
- Physical AtoN remains important to the mariner. IALA members should continue to pursue emerging technologies and approaches such as big data analytics, Internet of Things (IoT), machine vision technology and drones to make their services more effective and meet the future needs of the mariner.

JUNE

IMG General Assembly

The General Assembly of the Industrial members produced new Terms of Reference for the Group as well as a Code of conduct. 28 companies were represented and elected the representatives for the new period of 2023-2027.

General Assembly

The General Assembly took place on 3 June 2023, with National Members and observers in attendance. A full report is available on the IALA website. Key items discussed were as follows:

- The Finance Report
- Approval of amendments to the Constitution
- Approval of IALA Standards and the MBS
- Approval of the Strategic Vision
- Discussion on the Disaster Relief Fund

JULY

World Marine Aids to Navigation Day

The principal objective of this day is to promote greater awareness of IALA and its work by bringing to the attention of the wider public the role of marine aids to navigation and the significance of IALA's technical work in enhancing the safety of navigation and protection of the environment worldwide.

The Kingdom of Morocco brilliantly hosted the 2023 edition of World Marine Aids to Navigation Day, organized in collaboration with the IALA, on July 4 and 5 in Tangier.

Under the presidency of Mustafa Fares, Secretary General of the Ministry of Equipment and Water, the event brought together eminent maritime navigation experts, Aids to Navigation managers, as well as participants from around the world, highlighting the crucial importance of maritime security in the global context.

The opening ceremony was marked by inspiring speeches highlighting the essential role of maritime navigation in the global economy, with particular attention paid to Morocco's key role in maintaining security along its 3 500 km of coastline.

Council78

The newly elected council met for a short meeting on 3 June 2023, just after the General Assembly. Councillors proceeded to the election of the President, Vice-President and Treasurer and appointed the committees and subsidiary bodies Chairs and Vice-Chairs.



The event was also an opportunity to honor the "Cape Spartel" lighthouse which received the prestigious "Heritage Lighthouse of the Year 2023" prize awarded by the Secretary-General of IALA. The first day was dedicated to a technical conference which explored the crucial role of Marine Aids to Navigation in the safety of crossings, as well as the latest technological developments in this area. An exhibition also brought together the main players and industrial members of IALA, as well as international participants from countries such as France, Italy, Spain, Denmark, Japan, Malaysia, Cameroon and the Guinea.

The day ended with a visit to the Cap Spartel lighthouse, honored as the "Heritage Lighthouse of the Year 2023" globally. The second day was marked by technical visits, including those of the Maritime Traffic Monitoring Center at the Strait of Gibraltar, the Port of Tanger Med, and the marina of Tanger Ville. Cultural visits to the heart of the city of Tangier also enriched the participants' experience.



SEPTEMBER

PAP 50

The 50th session of PAP was held in person between 6 - 8 September 2023.

Key outcomes included:

- Agreement on the use of a database to manage tasks.
- Comments on the proposed new ToRs for Committees and Subsidiary Bodies in the new IGO.
- Liaison with ICAO on marking sea plane operational areas.

The PAP was also updated on many items including:

- IALAs involvement in the review of the STCW Code
- The AIS document review
- S-200 development
- Maritime Resource Name (MRN)



VTS54

The 54th session of the VTS Committee was held from 18 - 27 September 2023, including the physical week at IALA HQ between 18-22 September, with Monica Sundklev as Chair and Dirk Eckhoff as Vice-chair. The Secretary for the meeting was Thomas Southall.

131 participants from 33 countries, three Sister organizations participated in VTS54. 37 participants attended for the first time.

The VTS Committee considered 49 input papers and produced 33 output papers, including working papers, from three Working Groups.



DTEC1

During the 30th session of the ENAV Committee, the suggestion to alter its title from 'e-Navigation information services and communications' (ENAV) to the 'Digital technologies' (DTEC) committee. This shift aimed to encompass a wider scope of emerging technologies, including autonomous systems, cybersecurity, among others.

The first session of the Digital technologies committee was held from 25 September to 5 October 2023, chaired by Hideki Noguchi and vice-chaired by Jorge Arroyo. The Secretary for the meeting was Jaime Alvarez.

There were 114 registered participants, 32 for the first time, from 26 countries and 5 sister organizations.

This was the first meeting for the 2023-2027 Work Programme and the Committee considered 40 input papers and produced 9 output papers.



OCTOBER

MASS Workshop

The workshop on establishing scenarios for the development of Maritime Autonomous Surface Ships (MASS) was held between the 2 and 3 October 2023 at the headquarters.

The workshop was attended by participants invited by the Secretary-General, Francis Zachariae, and 27 participants attended from various areas of the maritime industry.

The overall purpose of this workshop was to gather relevant stakeholders from all over the maritime world to identify possible future scenarios regarding the development and evolution of MASS.



LAP25

The 25th session of the Legal Advisory Panel was held at IALA Headquarters and by video conference on 11 October 2023, with Christina Schneider as Chair, Henning Osnes Teigene as Vice-chair and Audrey Guinault as Secretary. There were 19 participants from 12 different countries.

The LAP noted the reports from Council 76,77 &78, PAP 50, the 20th Conference and the 14th General Assembly.

The LAP was presented with an update about the change of status next steps and particularly the transition period detailed planning. They also discussed preparation of the Conference to be held in Tokyo about the General Regulations and Financial Regulation of the new IGO.

The LAP considered the comment made by Japan on the change in the constitution approved at the 14th General Assembly.

The LAP considered the Liaison note sent by the DTEC committee and proposed a disclaimer to be included in the document.

The panel was updated on the developments of the legal implications after the collision of frigate Helge Ingstad and tanker Sola TS on 8th November 2018 in Norwegian waters.

The rest of the meeting was routine business including the review of the Risk Registers for IALA and the World-Wide Academy.



Digital@Sea Asia Pacific

ENG17

The 17th meeting of the ENG Committee (ENG16) was held from 17 to 27 October 2023.

The session was attended by 112 registered participants from 32 countries. 27 participants attended for the first time.

Working in four working groups, the Committee considered 63 inputs and produced 6 output documents.



ARM17

The 17th session of the IALA AtoN Requirements and Management (ARM) Committee was held from 23 October - 1 November 2023, including the physical week at IALA HQ between 23 - 27 October, with Dave Lewald as Chair and Natasha McMahon as Vice-chair. The Secretary for the meeting was Thomas Southall.

93 participants from 27 countries participated in ARM17. 16 participants attended for the first time.

The ARM Committee considered 39 input papers and produced 13 output papers, including working papers, from three Working Groups.



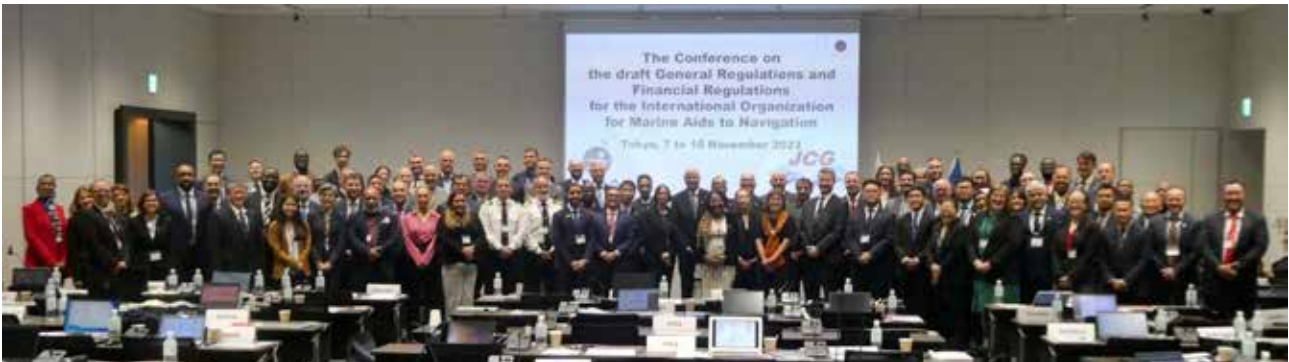
20th IALA Conference Conclusions

NOVEMBER

Conference on the draft General and Financial Regulations for the IGO

The Conference on the draft General Regulations and Financial Regulations for the International Organization for Marine Aids to Navigation was held in Tokyo from 7 to 10 November 2023. The Conference was chaired

by Secretary-General, Francis Zachariae, with Rear Admiral Tsuguo AWAI, Japan Coast Guard as Vice-Chair, assisted by Christina Schneider, LAP Chair and Henning Osnes Teigene, LAP Vice-Chair and Conference Secretaries Audrey Guinault and Thomas Southall. The conference was attended by 98 participants representing thirty-eight countries.



PAP51

The 51st session of PAP was held online on 15th November 2023.

Key outcomes included:

- Feedback from the committee season
- The review of the work programme
- IALAs involvement in MASS
- The development of work programme tools
- The Conference in Tokyo on the new IGO's General Regulations and Financial Regulations





DECEMBER

Council 79

The 79th session of the IALA Council meeting was successfully held from 11 to 14 December at the Headquarters in France and by video conference.

More details were given about the transition period between the entry into force of the Convention and until IALA is constituted as an Intergovernmental Organization (IGO). Key decisions for the current and transition Council

were detailed, including the development of new General Regulations and Financial Regulations and new Staff Rules.

The budget for 2024 was approved.

The Council approved two new guidelines and one revised model course.

The Council gave approval to the election of the selection of Faro di Genova 'Lanterna', Italy as the Heritage Lighthouse of the year 2024. The World Marine Aids to Navigation Day 2024 main event will be organized in Italy.



MAIN RESULTS

During the 2023 General Assembly, the second edition of the standards have been approved. This marks a significant milestone following the comprehensive review undertaken by the committees, the PAP, and the LAP as part of the 2018-2023 work program. The revised standards include critical improvements and relevant updates, and introducing new recommendations.



UPDATED STANDARDS EDITION 2.0:

- S1010 - AtoN Planning and Service Requirements
- S1020 - AtoN Design and Delivery
- S1030 - Radionavigation Services
- S1040 - Vessel Traffic Services
- S1050 - Training and Certification
- S1060 - Digital Communication Technologies
- S1070 - Information Services

MARITIME BUOYAGE SYSTEM, EDITION 2.0:

This edition encompasses significant updates including the integration of electronic and mobile applications, the incorporation of Mobile Aids to Navigation, and new points on Maritime Autonomous Surface Ships and sustainability, among other minor updates.

NAVGUIDE, 9TH EDITION:

This newly published edition serves as an essential reference guide for Marine Aids to Navigation authorities, facilitating the harmonization of AtoN services. It provides detailed guidance sourced from various IALA documents and pertinent international organizations on specific topics.

GUIDELINE G1180, EDITION 1.0 - RESILIENT POSITION, NAVIGATION, AND TIMING (PNT):

This guideline assists members in understanding the vulnerabilities of PNT systems, the potential impacts of these vulnerabilities on AtoN services, and Vessel Traffic Services (VTS), their users, and strategies for enhancing PNT resiliency and mitigating risks associated with GNSS failures.

REVISED MODEL COURSE C0103-2, EDITION 3.0 FOR VTS SUPERVISOR TRAINING:

This course aims to support maritime training organizations in introducing new or updating existing training courses for VTS Supervisors. It details the knowledge and practical competence required for a VTS Operator to be endorsed as a VTS Supervisor.

GUIDELINE G1181, EDITION 1.0 - VDES VHF DATA LINK (VDL) INTEGRITY MONITORING:

This guideline provides a framework for identifying and addressing vulnerabilities in VDES VDL to enhance data reliability, focusing on detection, investigation, reporting, defense, and regulatory enforcement.



WORLD-WIDE ACADEMY



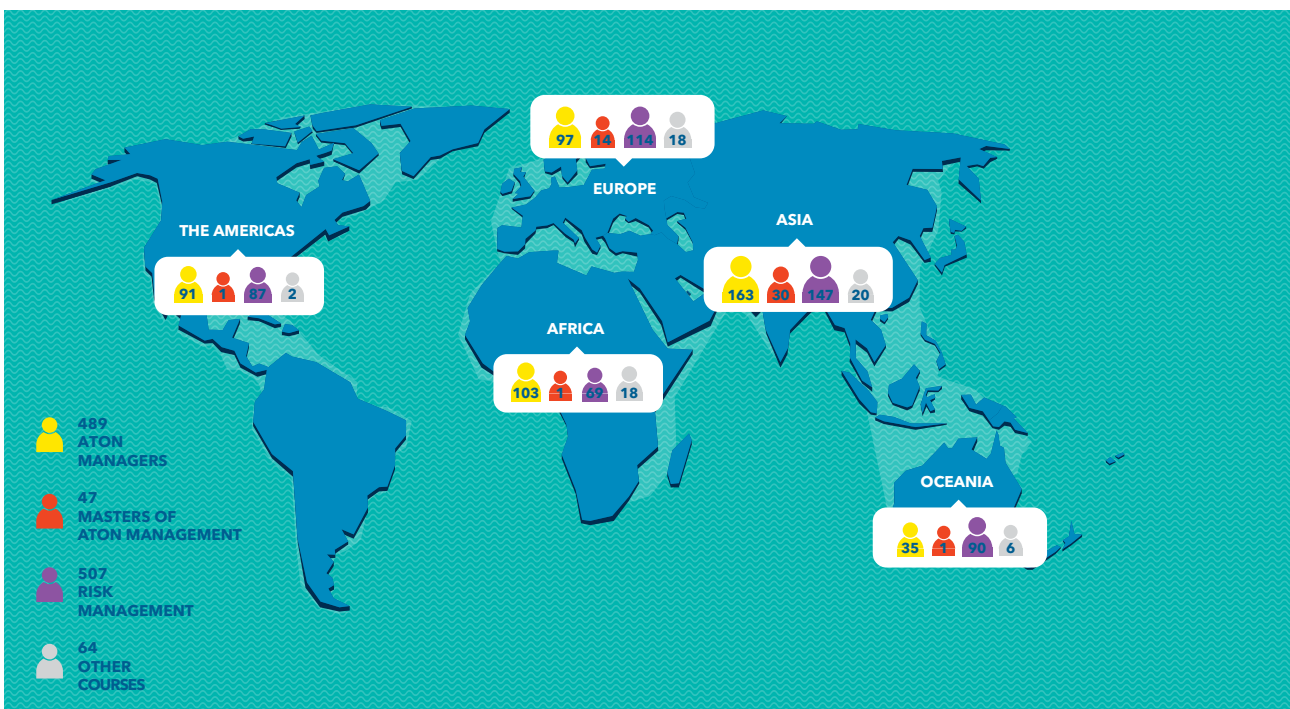
2023 AT A GLANCE



174

Professionals from 58 countries qualified in AtoN and/or Risk management

- 174 professionals from 58 countries within AtoN management, risk management and procurement processes.



ONBOARDING ALL COASTAL STATES

The IALA World-Wide Academy focuses on facilitating the effective implementation of 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 SOLAS Chapter V and that all coastal States can claim conformance with the relevant IALA standards.

To achieve these goals, the Academy undertakes a wide range of activities based on three simple principles:

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

3 ENGAGE

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

In support of the United Nations Delivering as One approach, the Academy cooperates with and coordinates its activities with other international organizations, underpinning the United Nations Sustainable Development Goals.



Mission in Albania



Risk Course at HQ



Level 1.1 Course in Colombia



Risk Course in Türkiye



Ethiopia Course in Lebanon



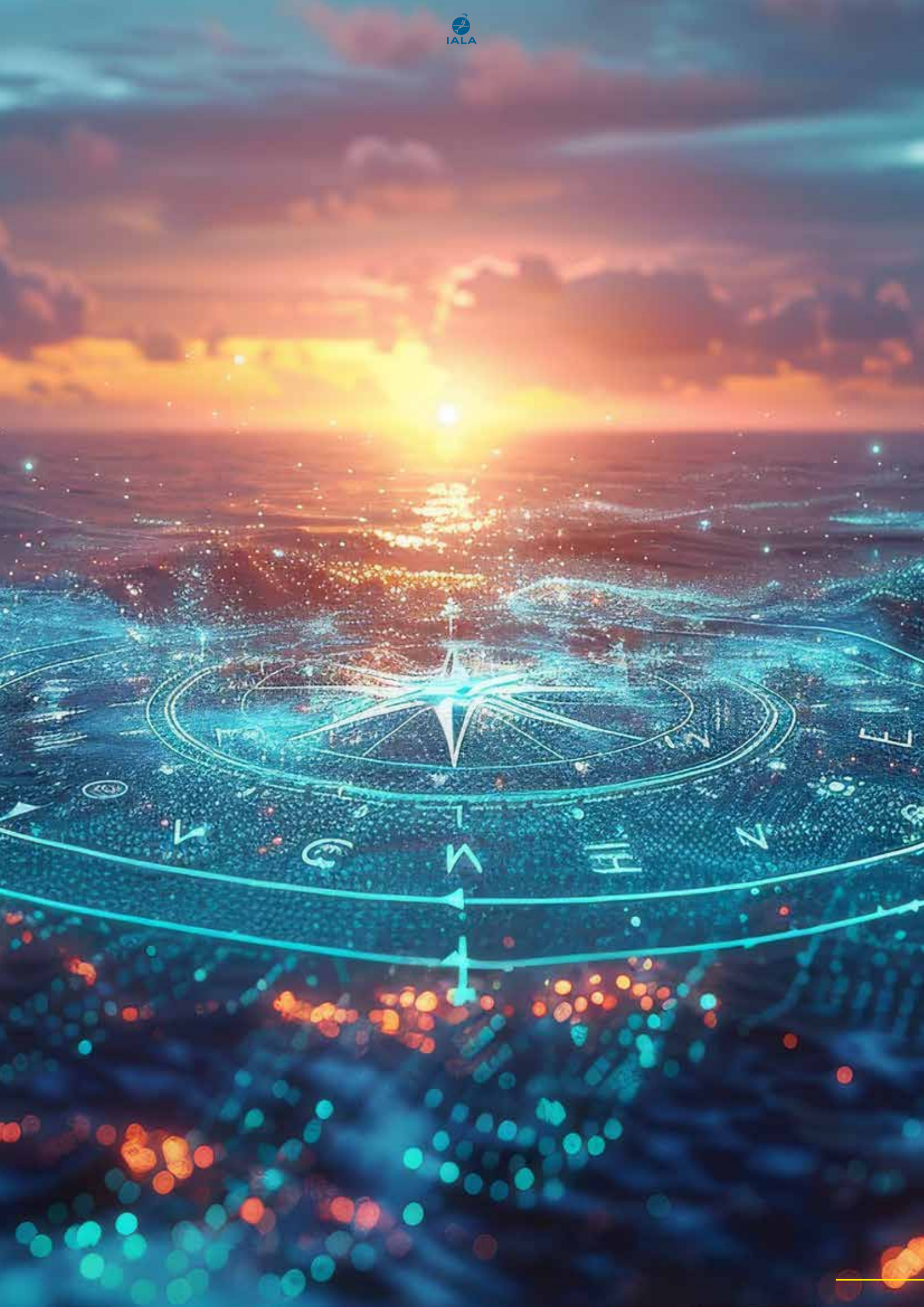
Awareness Seminar in Argentina



Level 1.1 Course in China



Level 1.1 Course in India





IALA

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Association Internationale de Signalisation Maritime