

U.S. Department of
Homeland Security

**United States
Coast Guard**



Commandant
U. S. Coast Guard

2703 Martin Luther King Jr. Ave. SE
Stop 7418
Washington, DC 20593-7418
Staff Symbol: CG-NAV
Phone: (202) 372-1605

16504
March 8, 2023

Mr. Francis Zachariae
Secretary-General
International Association of Marine Aids to Navigation and Lighthouse Authorities
10, rue des Gaudines
78100 Saint Germaine en Laye, France

Dear Sir:

In accordance with Article 6.2 of the IALA General Regulations, I am honored to nominate Mr. R. David Lewald for election as the Chair of the Aids to Navigation Requirements and Management (ARM) Committee. Mr. Lewald is currently the Vice Chair of the ARM committee. Mr. Lewald successfully assimilated the restructured ARM and ENAV committee responsibilities during the 2018-22 work period and is prepared to continue as Chair during the 2023-2027 work program. Mr. Lewald will continue to use his combined experience in physical aids to navigation and e-Navigation technologies to advance the ARM initiatives.

Mr. Lewald retired from active duty in the U. S. Coast Guard in 2014 after a 30-year career. During this span, he accumulated more than 25 years at sea, and commanded two Aids to Navigation vessels. Upon his retirement, he has continued his work as a Program Manager in my office, and is one of my subject matter experts in Automatic Information Systems (AIS), electronic chart and data portrayal, and digital communications. He represents the U. S. at the International Electrotechnical Commission (IEC) TC80/WG17 on Common Maritime Data Structure, the International Hydrographic Organization (IHO) Nautical Information Provision Working Group (NIPWG), and IALA as a rapporteur to the IMO-IHO harmonization group. Mr. Lewald is also a licensed professional mariner.

The U. S. Coast Guard will be responsible for all costs associated with Mr. Lewald's required attendance at meetings and events in his capacity as Chair. Thank you for your consideration of Mr. Lewald.

Sincerely,

Steven E. Ramassini, CAPT
IALA Councilor for the United States
Chief, Office of Navigation Systems
U. S. Coast Guard



Canadian Coast Guard
Garde côtière canadienne



Mr. Francis Zachariae
Secretary-General
International Association of Marine Aids to Navigation and Lighthouse Authorities
10, rue des Gaudines
78100 Saint Germaine en Laye, France

Dear Francis,

In accordance with Article 6.2 of the IALA General Regulations, I am honored to nominate Ms. Natasha McMahon, for election as the Vice Chair of the Aids to Navigation Requirements and Management (ARM) Committee. Ms. McMahon is currently a member of the ARM committee and has principally participated to Working group 1 for the last 5 years (2018-2023). Her contribution has been significant, particularly in the case of the revised edition of the Maritime Buoyage System (MBS), to be approved during the next General Assembly. Ms. McMahon's combined experience in physical aids to navigation and e-Navigation technologies make her well qualified to advance the ARM initiatives.

Ms. McMahon has 20 years' experience with the Canadian Coast Guard, with experience in VTS and for the last five years as National Manager of Aids to Navigation and Waterways. She also has experience at sea, having worked in the scuba diving and yachting industry. In her work with Coast Guard, she has become a subject matter expert in all aspects of AtoN, particularly in Automatic Information Systems (AIS), S-100 standard development, and heritage lighthouses.

The Canadian Coast Guard will be responsible for all costs associated with Ms. McMahon's required attendance at meetings and events in her capacity as Vice Chair of ARM.

Thank you for your consideration of Ms. McMahon. I look forward to seeing you at the 2023 Conference.

Yours sincerely,

André Châteauvert
IALA Councilor for Canada
Manager, Land based electronics
Canadian Coast Guard



KYSTVERKET
NORWEGIAN COASTAL ADMINISTRATION

Secretary-General Francis Zachariae,
IALA-AISM Headquarters,
10 rue des Gaudines
78100
Saint Germain en Laye
France

Your ref

Our ref

Archive no

Official in charge

Date
26.04.2023

**Nomination of Vice Chair of the Committees for the work period 2023-2027
Aids to Navigation Requirements and Management (ARM)**

Dear Secretary-General,

The Norwegian Coastal Administration would like to nominate the following candidate for the vacant position as ARM Vice Chair for the period 2023-2027:

Mr. Guttorm Tomren
Master Mariner, Principal Advisor AtoN
E-mail: Guttorm.tomren@kystverket.no

The statement below sets out the background to this nomination and his suitability for the role.

The Norwegian Coastal Administration

The Norwegian Coastal Administration ("Kystverket") is an agency of the Norwegian Ministry of Trade, Industry and Fisheries that is responsible for services related to maritime safety, maritime infrastructure, transport planning and efficiency, and emergency response to acute pollution.

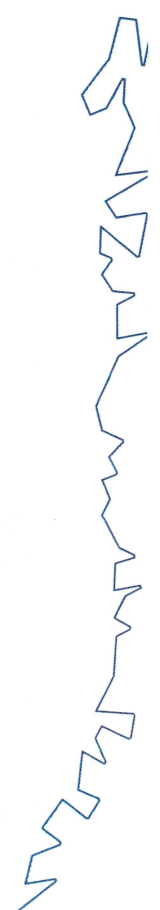
The main objective of the Norwegian Coastal Administration (NCA) is to ensure safe and efficient navigation in the fairways along the coast and into ports, as well as national preparedness against acute pollution. NCA is the owner and operator of more than 22.000 ATONs, 5 VTS centrals, AIS ground and satellite-based network and is deeply involved in utilising new technology for e-Nav and other initiatives for future maritime safety.

Central post address: Kystverket, postboks 1502,
6025 ÅLESUND, Norway

Tel: 07847
E-post: post@kystverket.no
Internett: <https://kystverket.no>

Org.no: 874783242
Account: 7694 05 06766

All mail and e-mail should be addressed to Kystverket, not to any unit or individual



The NCA participates in coastal planning and exercises authority pursuant to the Act relating to ports and navigable waters, as well as parts of the Pollution Act, Svalbard Environmental Act, and Planning and Building Act.

The Norwegian Coastal Administration has been the Norwegian National member of IALA since it was established in 1957. Norway ratified the Convention on the International Organisation for Marine Aids to Navigation in May 2021. The NCA has submitted its candidature for re-election to the IALA Council in June 2023.

Nomination for position as ARM Vice Chair 2023-2027

Mr. Guttorm Tomren has worked in the Norwegian Coastal Administration since 2010 and has acted as head of section AtoN since 2013. In his position, he oversees all budgets and plans for renewal and maintenance of AtoN. During his time with the NCA, he has been involved in several large projects such as standardisation of sector lights, standardisation on LED and remote monitoring. In addition, new models of AtoN have been developed, with the aim of high performance at a lower life cycle cost.

Mr. Guttorm Tomren is a master mariner, and his seagoing service includes chemical tankers and crude carriers. In his early career he worked at large fishing vessels, mainly at Svalbard, Barents Sea and Greenland. Later he finished a master's degree in Nautical Engineering from NTNU Trondheim, where he wrote a thesis in DP systems. He has 10 years of experience in the maritime industry prior to his work at the NCA, where he was involved in an international task group developing integrated bridge equipment.

Mr. Tomren has participated in the ARM Committee since 2013, from 2016 as Chair of WG1/WG2. During this period, he has participated in meetings with the IHO as an IALA liaison/rapporteur regarding issues with portrayal of AtoN in ENC. From his time in the Committee, he has gained valuable experience and knowledge about the ongoing work at IALA, which will prove useful in the position as ARM Vice Chair.

Yours sincerely,



*Mr. Arve Dimmen
Director for Navigation Technology and Maritime Services*



DEPARTMENT OF NAVIGATION
AND OCEANOGRAPHY
OF THE MINISTRY OF DEFENCE
OF THE RUSSIAN FEDERATION

8, 11th Liniya, St. Petersburg, Russia 199034
Tel/Fax: +7 812 323 70 29, e-mail: unio@mil.ru

To: Francis Zachariae
Secretary-General of International Association of Marine Aids to
Navigation and Lighthouse Authorities
E-mail: secgen@iala-aism.org
contact@iala-aism.org

Saint-Petersburg, April 27, 2023

Dear Mr. Zachariae,

In accordance with your circular letter 2023/02 16 January 2023 I have the honor to nominate Commander Oleg Gaidai as a candidate from the Department of Navigation and Oceanography of the Ministry of Defence of the Russian Federation for the vacant position of Vice Chair of ARM Committee for 2023-2027 work period.

Commander Oleg Gaidai has a long professional career in the Hydrographic Service of the Russian Navy from initial positions to the position of Head of AtoN Division of the Department of Navigation and Oceanography of the Ministry of Defence of the Russian Federation.

Considering his high professionalism, extensive experience as a hydrographer and Head of Lighthouse Authority of the Russian Navy as well his work in international team of the IALA since 2017, conduct and behavior of very high standard that an international organization demands, I recommend Commander Oleg Gaidai for your consideration.

The statements setting out his suitability for the role are attached.

Best regards,

Head of Department

Captain 1st Rank

Konstantin Speranskiy

Commander Oleg Gaidai

Head of AtoN Division of the Department of Navigation and Oceanography
of the Ministry of Defence of the Russian Federation

Date of Birth: September 27, 1983

Career:

Held different positions from senior assistant of hydrographic team leader to Head of Lighthouse Authority of the Russian Navy.

Since 2017 involved in work in IALA technical committees (ARM, E-NAV) and process of transformation the IALA in IGO.

Educational Background:

Naval Institute, Saint Petersburg, 2005;

Course of Lectures on the Programme of the Lighthouse Service organization,
Saint Petersburg, 2015.

Marital Status:

Married, 4 children

Decorations:

Departmental medals and decorations.

ALWYN I. WILLIAMS

PhD, MEng (Hons), CEng, MIET

7A Bobbits Way, Wivenhoe, Colchester, Essex CO7 9NJ
Home: +44 (0) 1206 827213 • Mobile: +44 (0) 7970 541 903 • email: alwyn@alwynwilliams.co.uk

PERSONAL PROFILE

Experienced Chartered electronic engineer, with particular emphasis on radionavigation technology (GPS and terrestrial positioning technology), electronic and visual marine aids-to-navigation, Automatic Identification System (AIS), renewable energy systems design and telemetry systems. Has transnational EU project management experience, and looking to build on his existing skills and experience in challenging roles.

SKILLS AND ACHIEVEMENTS

Technical Skills

- Managed high-profile 3-year EU project with technical and political focus. Responsible for the overall project budget, and led the successful publicity and communications team.
- Responsible for the engineering output of a team assembled to deliver low-cost high-value projects providing reliable marine aids-to-navigation. Designed, installed and commissioned suitable electronic systems to control and monitor modern marine beacons. Solutions delivered on time, to budget and to the required quality standard.
- Technical expert on the marine Automatic Identification System (AIS) and marine visual signalling.
- Investigated the application of newer renewable energy technology for electrical generation at lighthouses, including the use of hydrogen fuel cells.

Analysis and Problem Solving

- Methodical approach to analysing problems to gain an understanding of the issues, and instigates pragmatic solutions, often in time or resource-limited conditions.
- Formulated novel solutions that have allowed standard equipment to be used in different situations, thus saving money in development costs.

Communication Skills

- Communicates effectively with stakeholders at all levels within and outside the organisation.
- Excellent report writing and presentation skills, as required to communicate complex ideas in a clear and understandable way. Presented at many maritime navigation conferences and seminars, including the IALA Conference and IMO. Active member of the IALA ENG Committee and Guest Lecturer on AIS and e-Navigation for the IALA World-Wide Academy.

IT Skills

- MS Office Suite, MS Project, C, C++, Microsoft Visual Studio environment, Java, Matlab, PHP, MySQL, SQL, HTML, CSS, JavaScript, MS Visio, AutoCAD LT, MS Windows, FreeBSD.

CAREER HISTORY

Principal Visual Signalling Engineer, General Lighthouse Authorities of the UK and Ireland, January 2016 – Present

- Manage a small team within the GLA Research and Development department, producing world-leading research and centre of knowledge on marine visual signals.
- Manage a respected light measurement facility for the General Lighthouse Authorities of the UK and Ireland.

Senior Engineer, Trinity House, Harwich June 2015 – December 2015

- Provided technical support for the New Business Development initiative. Identified commercial opportunities for the organisation to develop for financial and reputational gain.

Project Manager, General Lighthouse Authorities of the UK and Ireland, April 2012 – May 2015

- Responsible for overall project management of €5M EU INTERREG project, ACCSEAS, involving 11 partners from 6 North Sea Region (NSR) countries. Prepared, co-ordinated and submitted regular activity reports to EU funding authority. Organised Project Steering Committees and chaired the Transnational Project Co-ordination Groups for smooth project operation.
- Line management responsibility for the project Communications Officer and Project Assistant.

Senior/Project/Design Engineer, Trinity House, Harwich; January 2005 – March 2012

- Designed and implemented new buoy superstructure electrical system, including solar power generation/distribution, position fixing and telemetry systems. Designed and commissioned new equipment on lighthouses including AC generators, DC generation/storage/distribution and PLC systems.
- Trained and mentored personnel in the operation and maintenance of new electrical systems.
- Responsible for design and commissioning of new equipment, and ensuring all Project and Handover documentation is complete, utilising the PRINCE2 methodology.
- Cooperated with other lighthouse authorities and government agencies with regards to the development of the Automatic Identification System (AIS). Actively participated in international committees on AIS, including developing the IEC test standards for AIS Aid-to-Navigation (IEC 62320-2) and Base Station devices (IEC 62320-1).

Previous Employment

- e-Guidance Web Developer, University of Wales, Bangor; *April 2004 – January 2005*
- Central Peer Guide Co-ordinator, University of Wales, Bangor; *January 2004 – February 2004*
- Contract Researcher, Industrial Development Bangor, Bangor; *April 2002*
- Laboratory Demonstrator, University of Wales, Bangor; *September 2000 – February 2004*
- Web page Designer and Programmer, Cwmni Cynnal, Llangefni; *1997 – 2000 (Summer work)*

Professional Membership

- Engineering Council – Chartered Engineer
- Institution of Engineering and Technology (IET) – Member
- Royal Institute of Navigation (RIN) – Associate Member
- British Standards Institute – Committee Member

**EDUCATION AND QUALIFICATIONS****PhD, Radionavigation, University of Wales, September 2000 – April 2004**

- Collaboration between University of Wales and Siemens Datatrak, researching and developing a sophisticated computer model their low frequency vehicle tracking system. Developed in-depth knowledge of key radionavigation techniques.
- Utilised problem-solving skills to produce a suitable, accurate model; learning new techniques alongside existing technical skills. Independently researched and formulated robust solutions.
- Gave technical oral presentations for Siemens Datatrak and co-authored conference papers.

MEng. (Hons) Electronic Engineering; 2.1; University of Wales, Bangor, 1996 – 2000

- Subjects covered in this IET accredited course included: Radio communication systems, signal processing, optoelectronics, microelectronics and quality systems. Awarded IEEE prize for Best Communications Project for dissertation in the field of Differential GPS.

Ysgol David Hughes, Menai Bridge, Anglesey, 1989 – 1996

- **3 'A' Levels and 1 AS Level** in Electronics, Mathematics, Physics, and Information Technology.
- **11 GCSEs**

Additional Qualifications: Qualified for Inspection and Testing of Electrical Installations (BS7671:2008)

ACTIVITIES AND INTERESTS

- Former Chairman of Radio Ysbyty Gwynedd, voluntary hospital radio service.
- Sport – Enjoys playing snooker, rowing and cycles on and off road regularly. Treasurer of a local Gig rowing club.
- Currently building a clinker sailing dinghy using traditional woodworking techniques.

REFERENCES

Employment referees available on request.



TRINITY HOUSE

Captain Ian McNaught CVO MNM FNI

Deputy Master of Trinity House

deputy.master@trinityhouse.co.uk

020 7481 6902

Mr Francis Zachariae
Secretary General
IALA
10 rue des Gaudines
78100
St Germain en Laye
France

sent by email - secgen@iala-aism.org

13 February 2023

Dear Francis,

Following your letter dated 16th January 2023 on the nomination of Chairs and Vice-Chairs of the Committees, I would like to propose the Principle Visual Signalling Engineer in GRAD, Dr Alwyn Williams for the chair of the ENG Committee.

Dr Williams has been involved with IALA since he started at Trinity House some 18 years ago. He worked extensively on the standards development of AIS AtoN Stations as a part of the joint IEC/IALA working group between 2005 to 2008. This included the attendance and contribution to the AIS working group in the newly formed ENAV committee. During that time, he contributed and gave expert advice on the development and revision of IALA Recommendation A-124 and A-126 (as they were known then).

In 2012, Dr Williams became the Project Manager of the EU-funded project, ACCSEAS. As you know, this project was very successful in demonstrating the types of e-Navigation services that can assist the mariner due to the sea-space becomes more challenging to navigate. During this time, he was actively involved in the IALA ENAV committee, providing feedback from the project directly into IALA. He also contributed and presented at the ENAV Underway conferences in 2013 to 2015.

Dr Williams became the Principal Visual Signalling Engineer in the GLA Research and Development (GRAD) department in 2016, and immediately got involved in the ENG Committee, most notably in Working Group 1 on Visual Signalling. He soon became the vice-chair of the WG, and has often submitted papers to ENG on the work in GRAD. He has been heavily involved, and been leading, in the creation of new visual signalling recommendations and guidelines, as well as the revision of existing documents.

He passed the IALA Level 1 AtoN Manager course with a first class pass mark in 2017, so I am confident that he is able to bring both the technical and political knowledge to the role. He is a very approachable person, and is a known personality in IALA circles. I have no doubt that he would be an asset to the IALA family, and I would fully support his nomination for the chair of the ENG committee.

Yours sincerely,