



# IALA and the World-Wide Academy (2)

NIOHC, Oman

March 2019

# Headquarters

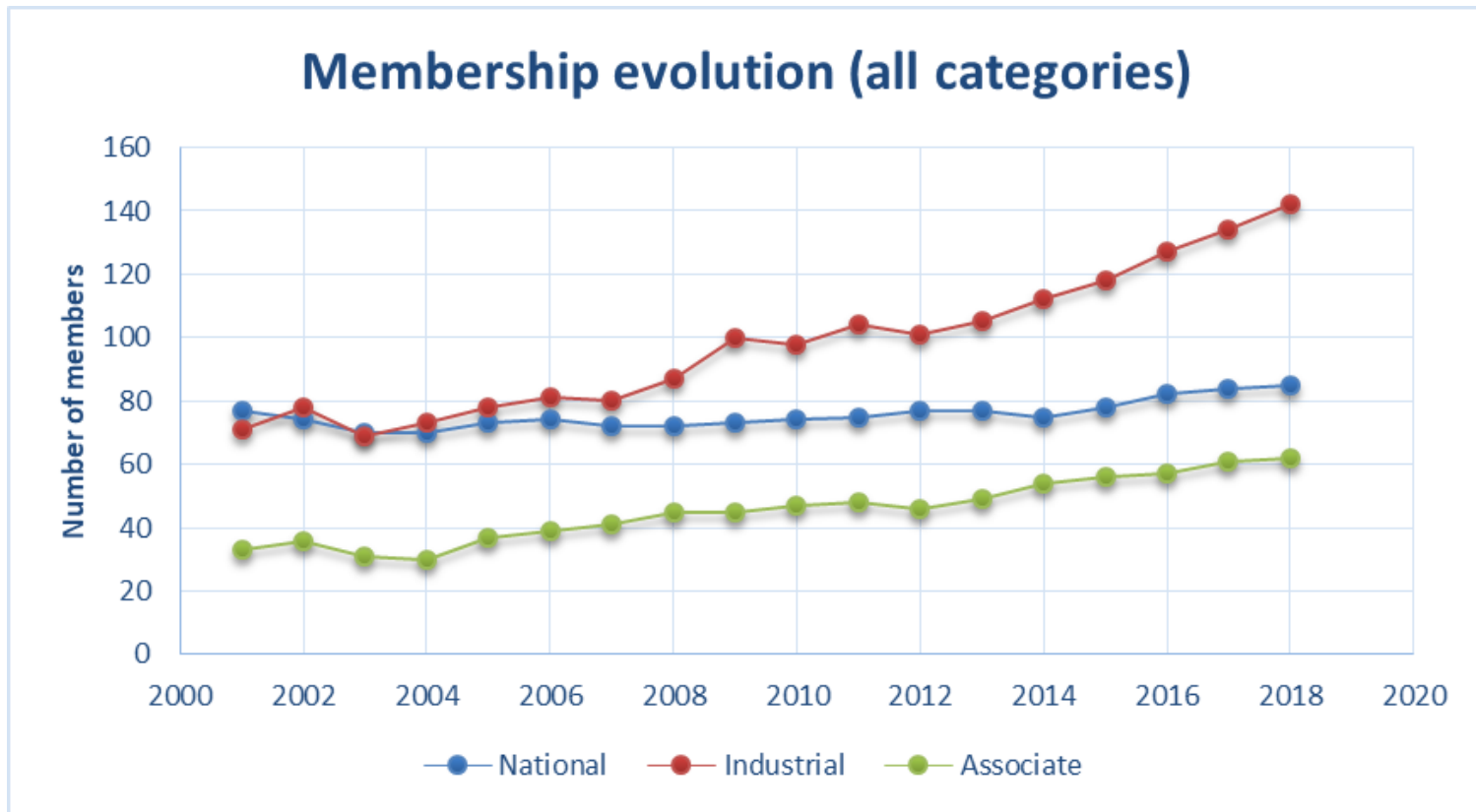
St. Germain-en-Laye, near Paris, is the home base of IALA providing:

- Offices of the permanent secretariat and
- IT-equipped meeting rooms for technical committees, workshops and seminars





# Membership





# IALA Strategic Vision and Goals for 2026

## Goal 1

Marine Aids to Navigation are developed and harmonized through international cooperation and the provision of standards.

## Goal 2

All coastal states have contributed to a sustainable and efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.





# The Maritime Buoyage Agreement

IALA A and IALA B

During the IALA conference in November 1980 two navigation marking systems, i.e. the System A (red color at left hand side of the ship) and the System B (red color at right hand side of the ship), were combined into one - the **IALA Maritime Buoyage System**.







# The Committees

The “Power House” of IALA

- AtoN Requirements and Management (ARM)
- Engineering and Sustainability (ENG)
- Vessel Traffic Services (VTS)
- e-Navigation (ENAV)





# Publications

Main result of the Committees' work

- **Standards** which can be referred to directly in IMO and other international conventions and in national maritime laws.
  - **Recommendations** which advise what should be done.
  - **Guidelines** which advise how to implement the recommendations as 'best practice'.
  - **Manuals** which provide general reference materials (NAVGUIDE; MBS; VTS Guide; IALA Dictionary).
  - **Model courses** which provide guidance on the training of VTS personnel, Aids to Navigation Managers and Aids to Navigation Technicians.
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# **The World-Wide Academy**

Training and capacity building



# IALA Strategic 2014-2026 Goals for *“Successful voyages, sustainable planet.”*



- G1 – Marine Aids to Navigation are harmonised through international cooperation and the provision of standards.
- **G2 - All coastal states have contributed to an efficient global network of Marine Aids to Navigation through capacity building and the sharing of expertise.**





# What do we do?

- **Education and Training**
    - Oversee IALA Training Accreditation scheme
    - Support Accredited Training Organisations
    - Deliver training on Risk Management and other special topics
  - **Capacity Building**
    - High Level Missions, raising awareness
    - Technical Assessment Missions to Coastal States in need
    - Long-term partnership and follow up activities with Coastal States
  - **Research & Development**
    - Determine knowledge gaps and need for R&D
    - Promote R&D
    - Harvest R&D results and feed this into IALA Committees
  - Meanwhile, we have a lot of fun.
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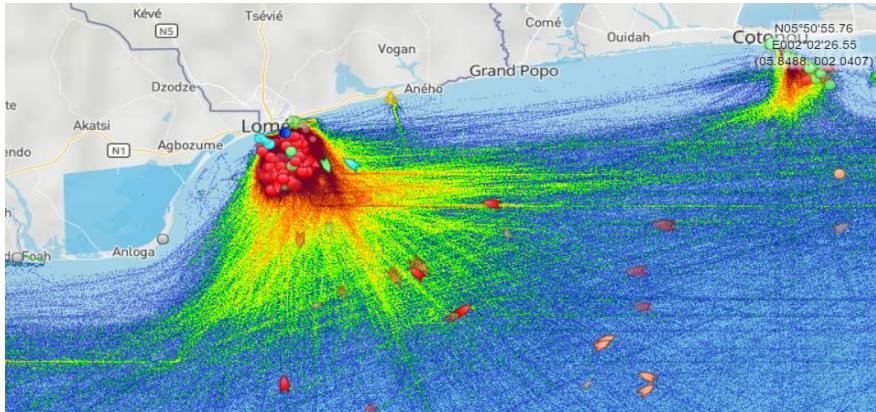
# **World-Wide Academy Capacity Building in developing countries**



## Missions and reviews

### 2018 Need Assessments:

- Mozambique
- Angola
- Timor-Leste
- Madagascar
- Tuvalu



### 2018 Review missions:

- Togo
- Sudan (joint)
- Trinidad & Tobago
- Georgia
- Mauritius
- Nigeria

### 2019 Missions/reviews:

- |             |               |
|-------------|---------------|
| • Namibia   | • Belize      |
| • Tunisia   | • Cambodia    |
| • Gabon     | • Vietnam     |
| • Thailand  | • Seychelles  |
| • Haiti     | • Philippines |
| • (Somalia) | • Timor-Leste |

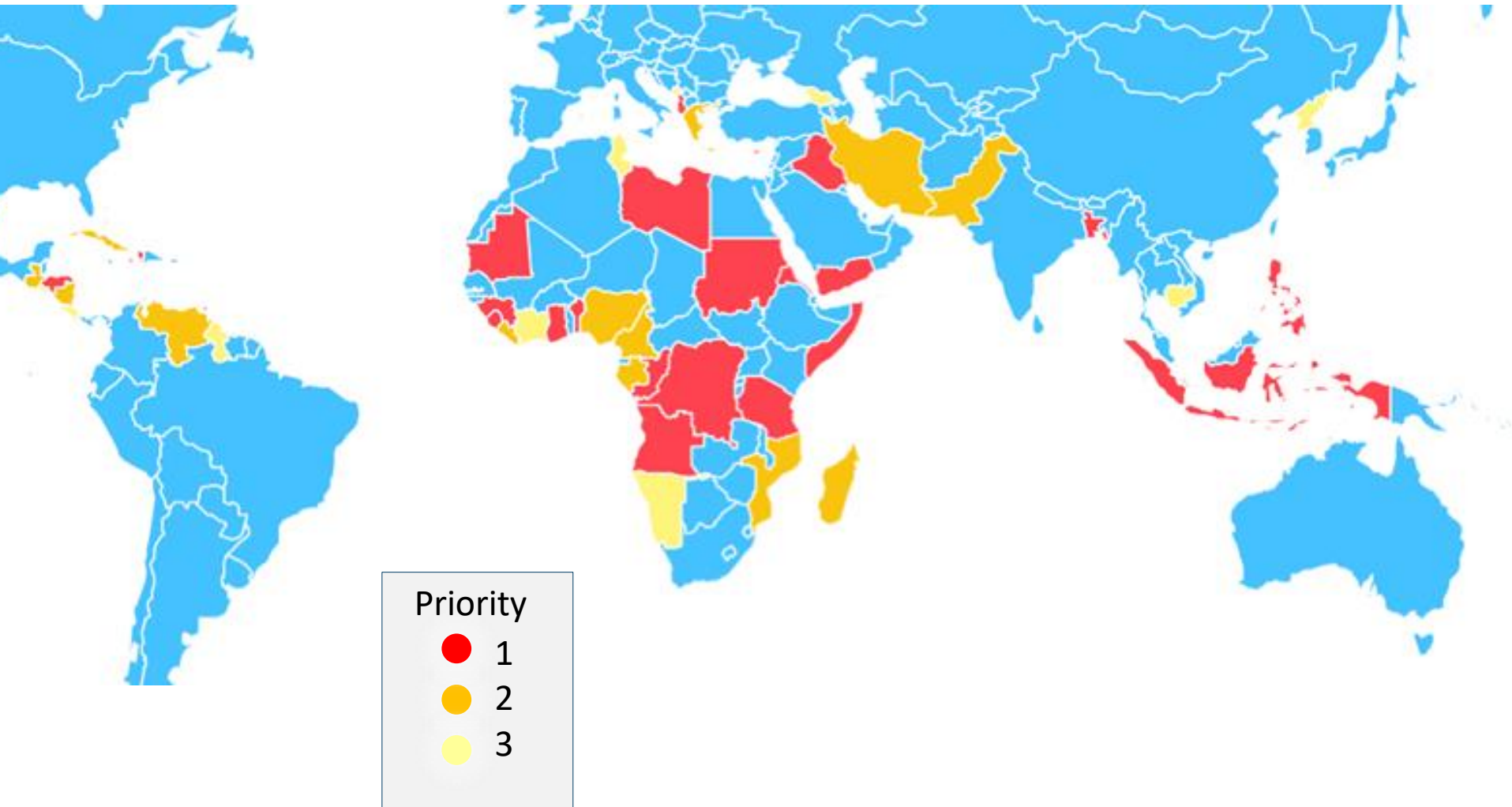


## States in need (2018)

*Priority 1-3 Reduced from 78 to 62*

DEGREE OF NEED	AFRICA	EUROPE	ASIA	PACIFIC	AMERICAS	TOTAL
Smallest need	1	12	8	1	6	28
Smaller need	1	8	2	3	5	19
Lesser need	8	8	10	8	9	43
Some need (priority 3)	6	1	3	1	4	15
Greater need (priority 2)	8	1	2	3	7	21
Greatest need (priority 1)	14	2	7	0	3	26

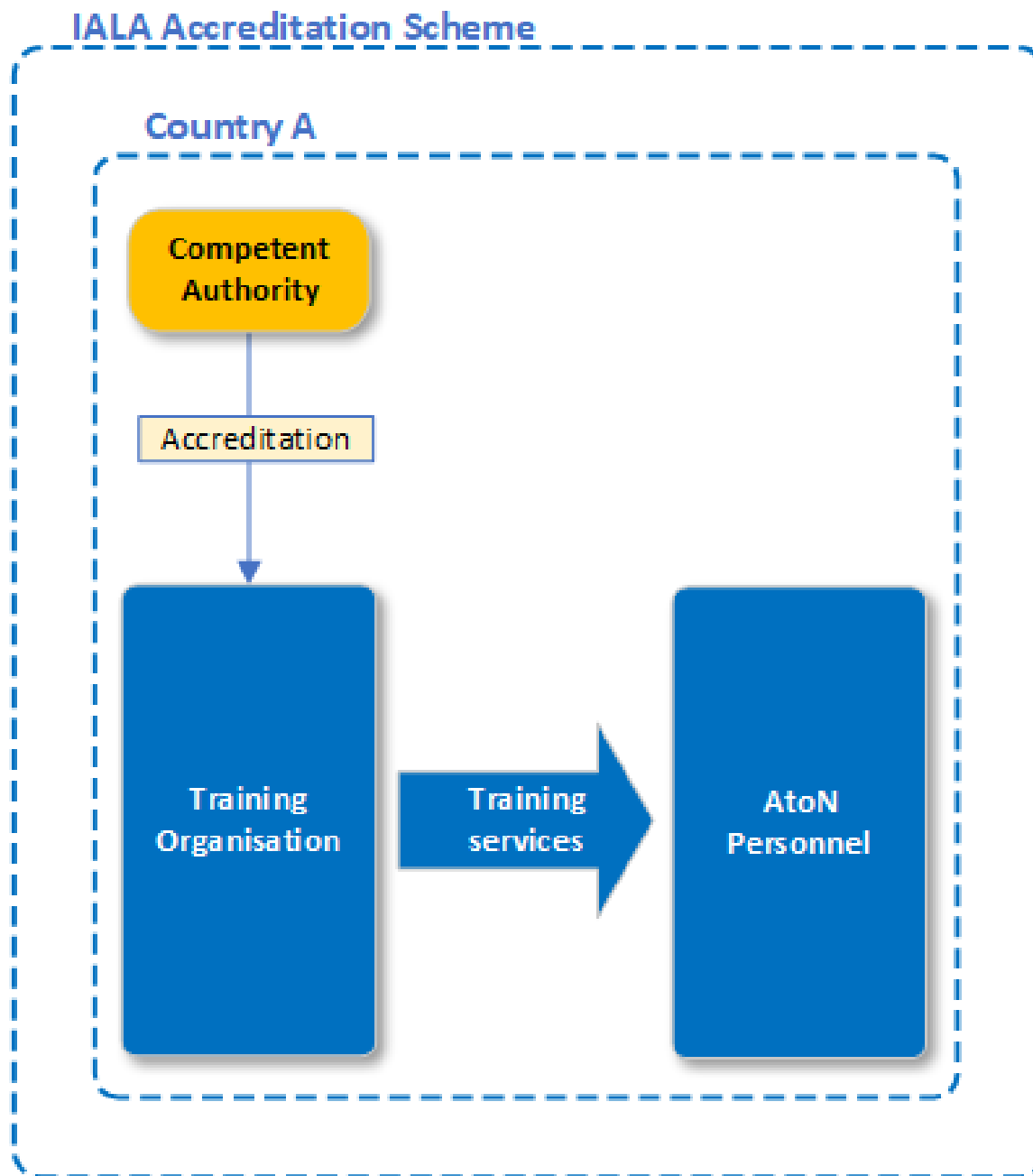
## Those in need (still)



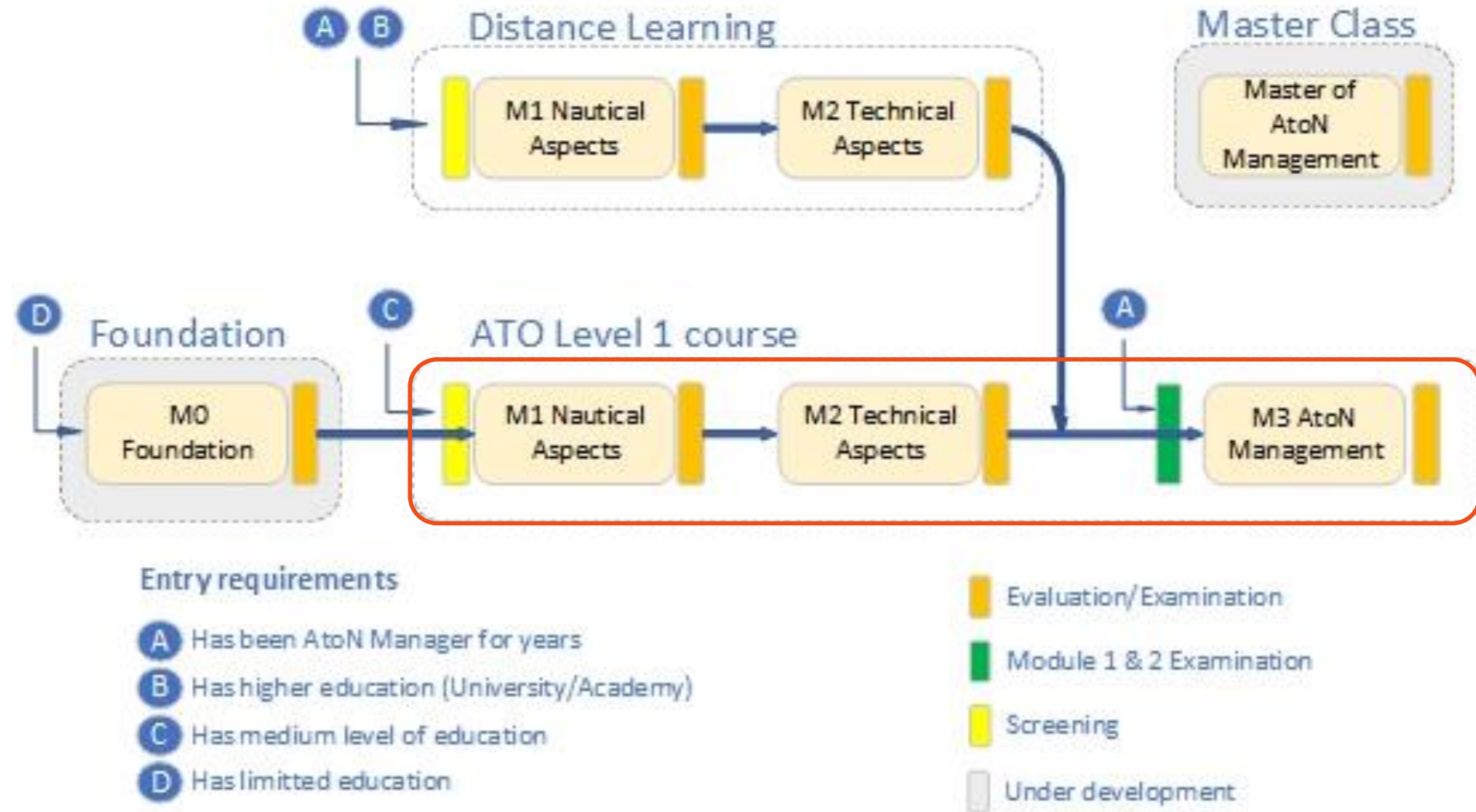




# Education and Training



# Current Level 1 AtoN Manager Training Scheme





# WWA MAKES LEAVES GROW ALL OVER THE WORLD

From small shoots big trees grow ...  
The leaves illustrate the different stages  
of development of ATOs delivering A  
model courses.







## International Level 1 Aids to Navigation Managers



# L1 AtoN Management Courses



## 2018 (6)

- China
- France
- Morocco
- Malaysia
- India
- South Africa

• Distance Learning

## 2019 (12)

- China
- France
- Morocco
- Malaysia
- India
- South Africa
- Brazil
- Suriname
- Oman
- UK THLS
- Chile
- Columbia

• Distance Learning

English French Spanish  
Portuguese Arabic





# The IALA World-Wide Academy Team

## Jacques, Gerardine, Omar and Stephen







# **Embryonic e-Navigation Services Web based MSI promulgation based on S-124**

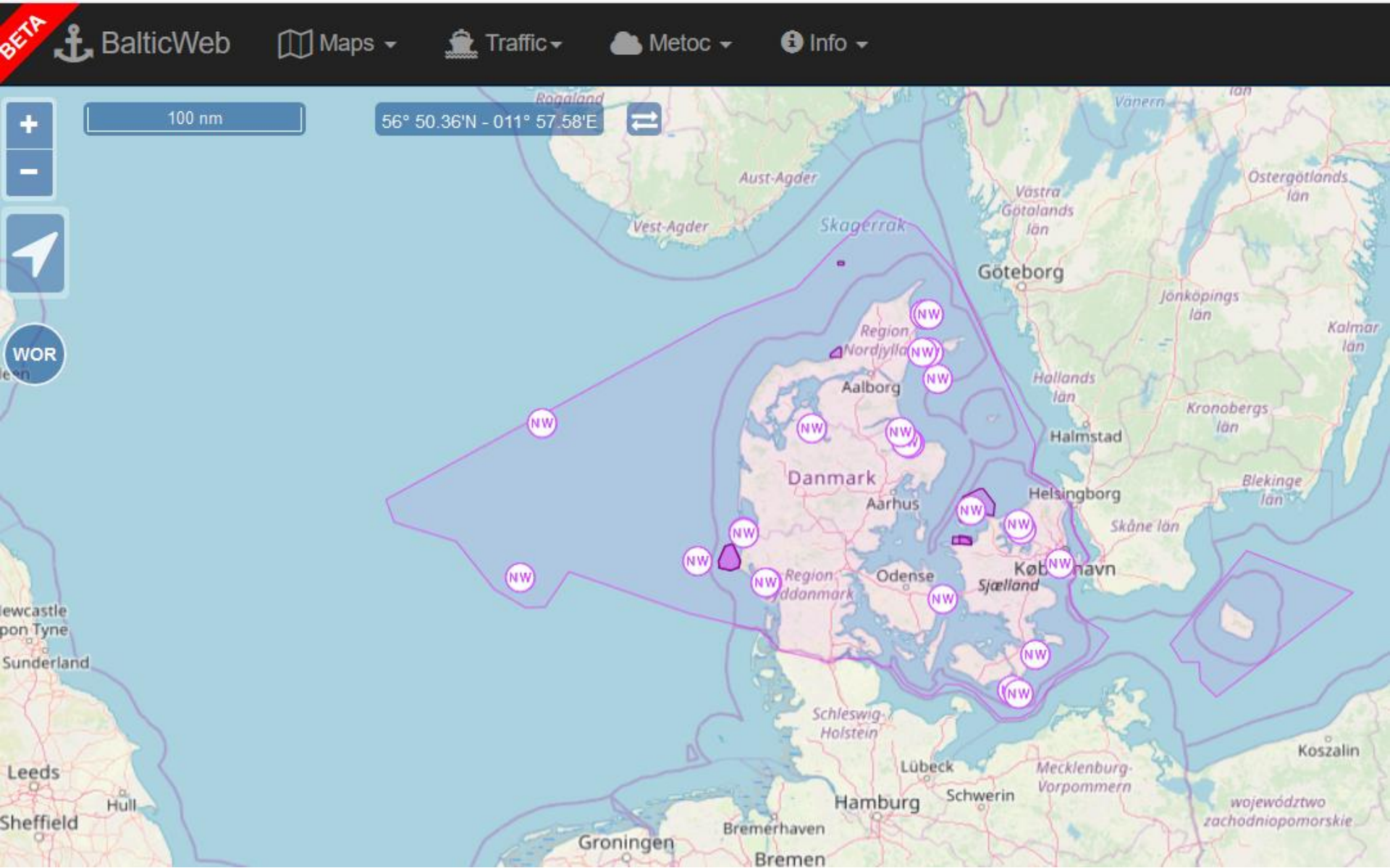
**Arctic-Web, Baltic-Web  
Ghana-Web  
&  
APHoMSA-Web**



# E-Navigation Services

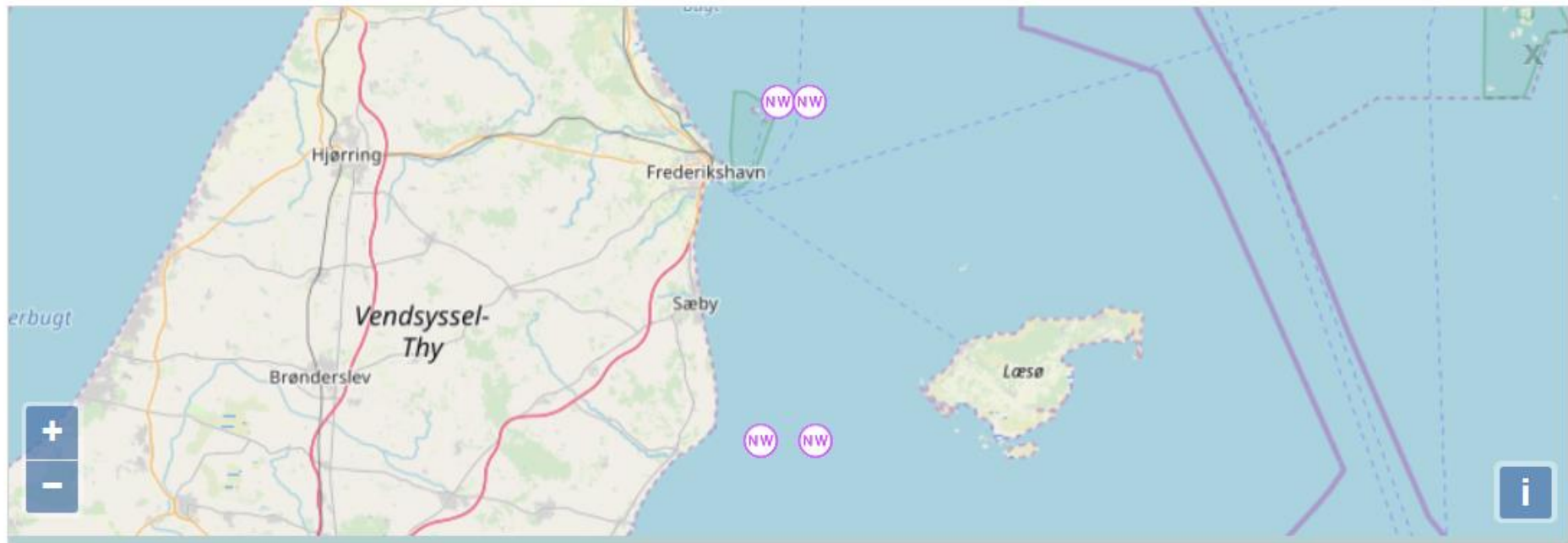
- Connectivity
  - Standards – Product Specifications
  - Global Connectivity takes time
  - NAVAREA report (India) asked for increased coordination and communication re. MSI
  - Maybe this is an interim solution...
-

# Baltic-Web





# Example NavW – Hydrographic Survey



NW-072-19

## Denmark. Kattegat. Laesoe Rende. Hydrographic survey.

details

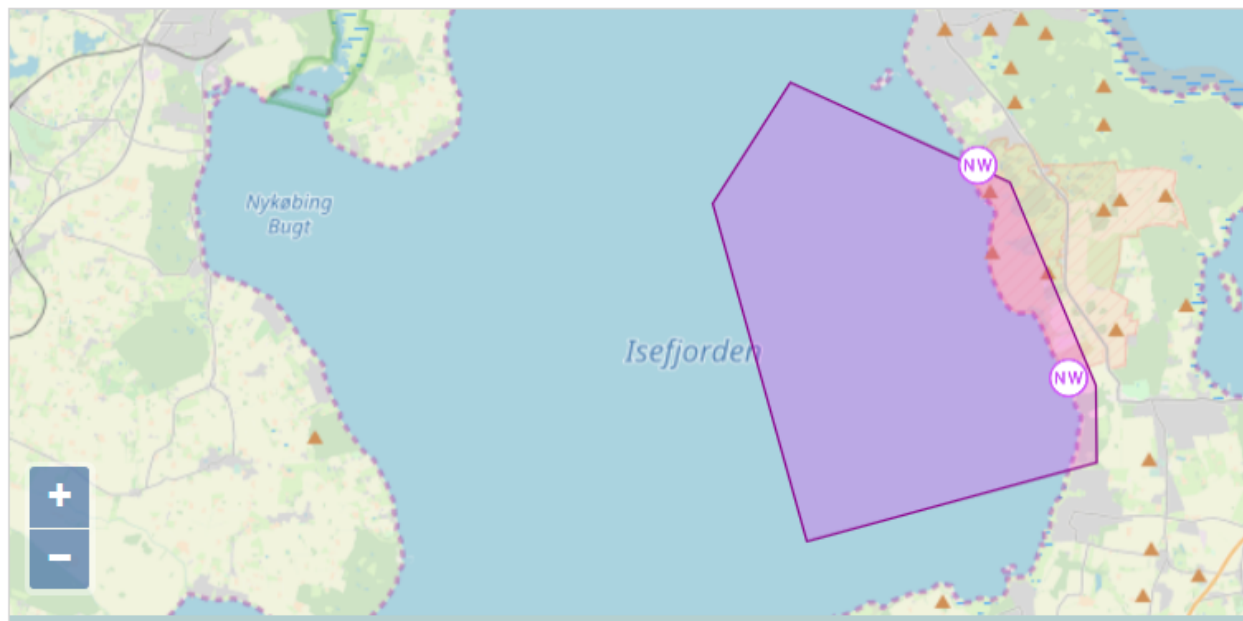
### Hydrographic survey

from the 24<sup>th</sup> March 2019 at 2000 UTC to the 30<sup>th</sup> April 2019 at 1100 UTC hydrographic survey is carried out between pos. 57 30,0 N – 010 38,5 E and 57 30,0 N – 010 41,5 E and 57 13,0 N – 010 42,0 E and 57 13,0 N – 010 37,0 E. Work is carried out by »Jens Sørensen« call sign OZFB. The vessel is listening on VHF channel 16. Mariners are requested to pass with caution and keep a minimum distance of 0.25nm.

Close



# Example NavW – Firing exercises Warning



## Denmark. Kattegat. EK R 18 Jægerspris. Firing exercises. Warning.

time	27 March 2019, hours 08:00 - 17:00. 28 March 2019, hours 08:00 - 17:00. 29 March 2019, hours 08:00 - 15:00. 30 March 2019, hours 10:00 - 16:00.
details	<b>Firing exercises. Warning.</b> In connection with firing practices in EK R 18 Jægerspris, a temporary prohibited area is established on <ul style="list-style-type: none"><li>• 55° 52'N - 011° 57'E.</li></ul>
prohibition	During firing practices, all navigation, anchoring and fishing are prohibited in the area.
signals	Information about firing practices is given by displaying the following signals from one hour before the start: <ul style="list-style-type: none"><li>a) By daylight, a sphere is hoisted and a white, flashing light is lit (60 flashes per minute) on signal mast</li><li>b) 30 minutes before sunset, lights displaying a red and white alternating flash (30 flashes per minute)<ul style="list-style-type: none"><li>• 55° 51,57'N - 011° 57,33'E, Signal mast 1 - at the coast at Sdr. Strandhuse.</li><li>• 55° 54,00'N - 011° 55,54'E, Signal mast 3 - at the coast of Storehøj.</li></ul></li></ul>

# Example NavW – Buoy missing



NW-066-19

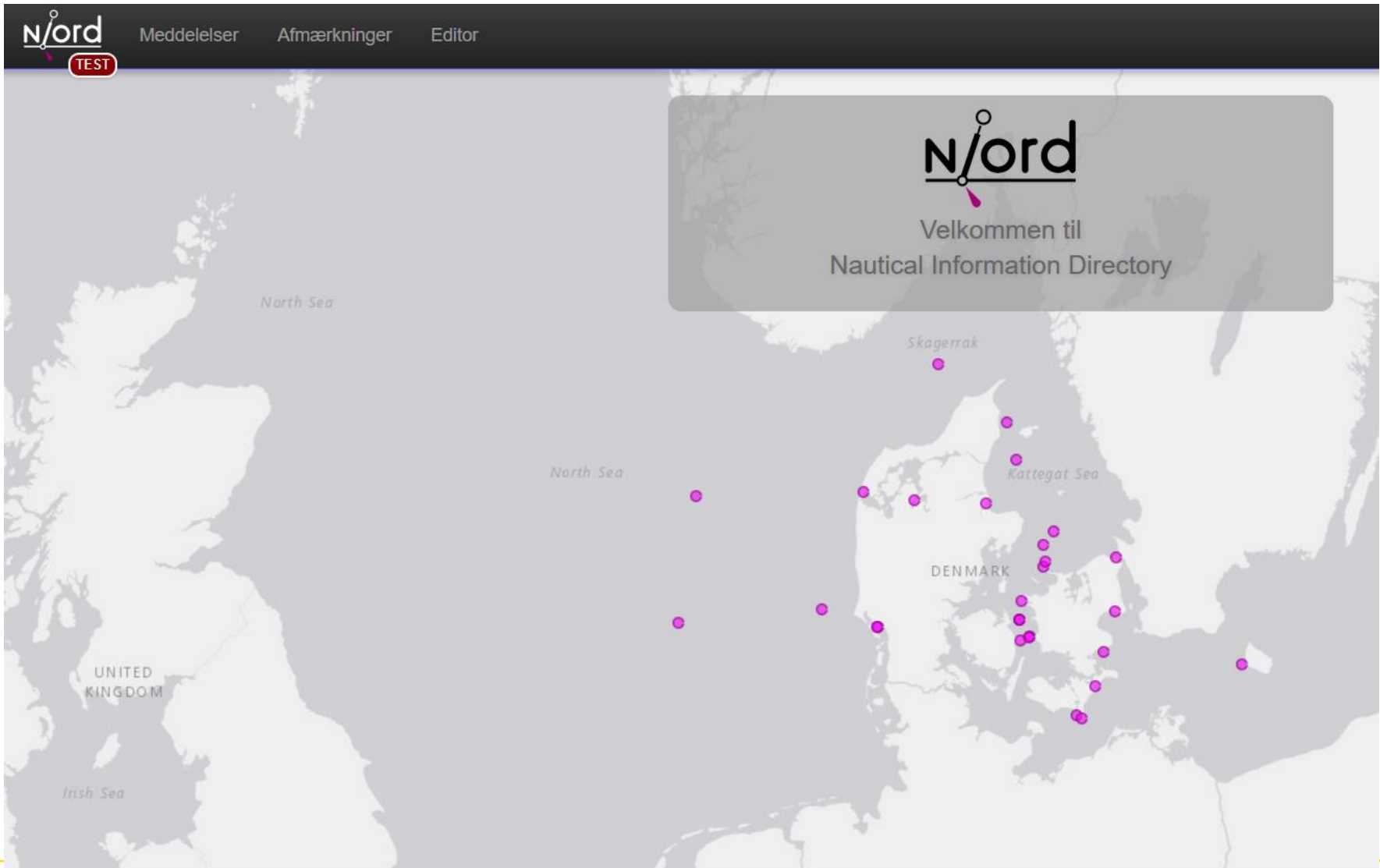
**Denmark. The Waters South of Zealand. Hestehoved Dyb. Buoy missing.**

[details](#)

**Buoy missing**

The port hand buoy in pos. 54° 52.1'N - 012° 09.1'E is missing.

# Niord – NavWarning Editor



# Niord – NavW Templates



🔍 Select Template

▶ Execute Templates

Name

Par

Categories	
Name	▶ Parent Category
Light unlit	▶ (Light)
Light unreliable	▶ (Light)
Light damaged	▶ (Light)
Light buoy missing	▶ (Light buoy)
Light buoy off station	▶ (Light buoy)
Light buoy unlit	▶ (Light buoy)
Light buoy unreliable	▶ (Light buoy)
Light buoy established	▶ (Light buoy)
Light buoy withdrawn	▶ (Light buoy)
Buoy missing	▶ (Buoy)

Add Selected

# Niord – NavW Templates



Selected Categories	
Name	▶ Parent Category
<div>Remove Selected</div> <div>Remove All</div> <div>▶ Execute Templates</div>	

Example (Light buoy missing)	
NW-179-16	
Denmark. Baltic. Rødsand Rende. Light buoy missing.	
Details	<b>Light buoy missing</b> The starboard hand light buoy in pos. 54 31,4 N - 011 56,4 E is missing.

# Niord – Select Position







(in english and local language)

1	2
3	4



# Niord – Promulgate message

(send message to all stakeholders)

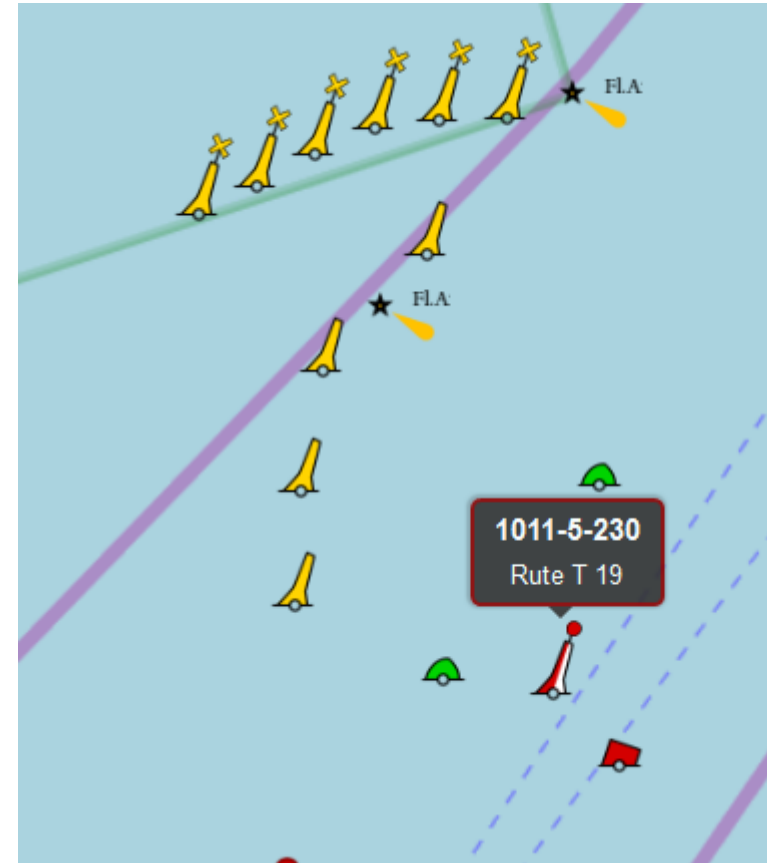
☒ Audio

☐ NAVTEX

Promulgation undefined

☐ Twitter

Promulgation undefined



# Niord – National AtoN Register



**AtoN UID**

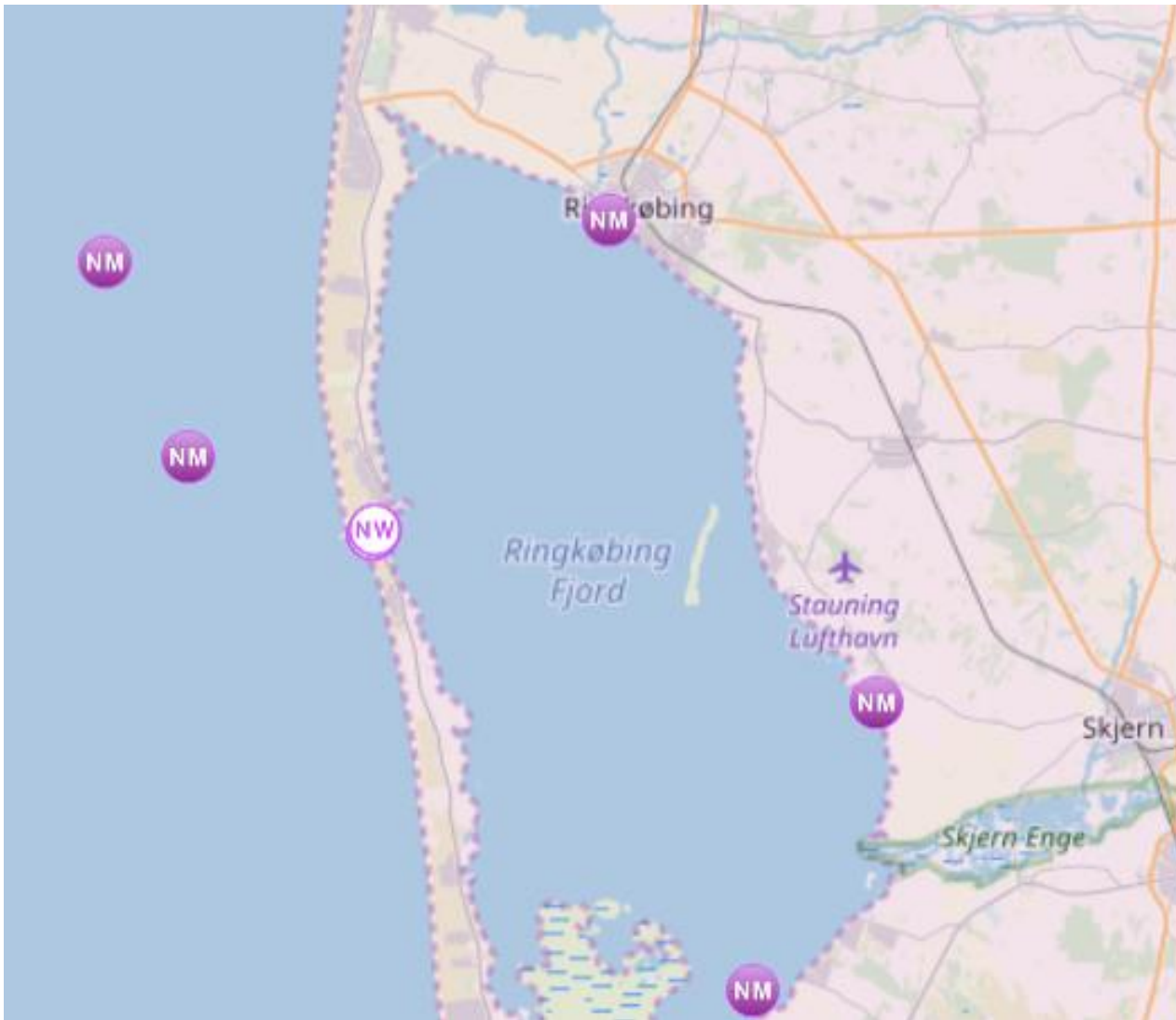
1011-5-230

**position**

55° 51.36'N - 010° 51.54'E

<b>seamark:buoy_safe_water:colour</b>	red;white
<b>seamark:buoy_safe_water:colour_pattern</b>	vertical
<b>seamark:buoy_safe_water:shape</b>	pillar
<b>seamark:name</b>	Rute T 19
<b>seamark:topmark:colour</b>	red
<b>seamark:topmark:shape</b>	sphere
<b>seamark:type</b>	buoy_safe_water

# Niord – Notices to Mariners



☒ Danish TEST NW and NM

☐ Danish NW and NM T&P S

## Denmark - The North Sea

**NM** **NM-404-17** Denmark. The I  
Ringkøbing Havn. Maintenance

**NM** **NM-252-17** Denmark. The I  
Seabed surveys.

**NM** **NM-464-17** Denmark. The I  
Underwater obstruction.

**NM** **NM-378-17** Denmark. The I  
Construction work.

**NM** **NM-515-17** Denmark. The I  
Stauning Havn. Dredging.





# Participants

- Denmark (DMA)
  - Canada (CCG)
  - Korea (MOF)
  - Australia (AMSA)
  - USA (USCG)
  - Ghana
- 
- APHoMSA members / ASEAN Countries
-



# Challenges & Benefits

- Still some portrayal standardization issues
  - Need to ensure full S-124 interoperability
  - Server Host must have IT competences
- 
- Open Source software
  - No intellectual property issues
  - Editors need only a PC/Browser
  - End Users need only a PC/Browser
-



# **Transforming IALA from NGO to an Intergovernmental Organization (IGO)**



# IALA's cooperation with other international organizations

Particular status or Memorandum of Understanding (MoU)

Consultative status



MoU



Pacific  
Community  
Communauté  
du Pacifique



## Cooperation and task - delineation between IMO and other IGOs

Regulatory work



Non-binding standards,  
recommendations and  
guidelines and input into  
the regulatory work



Other  
relevant  
International  
Organization  
S.....



# Status of the IGO project



## The Process

- First discussions in the Legal Advisory Panel (LAP) **2010** and with the French Government shortly after
  - **Draft Convention Text** developed by Council assisted by LAP and with participation of all National Members **2012-2016**
  - **General Assembly Resolution May 2014**
  - Preparatory Diplomatic Conference, Paris, April **2017**
  - Preparatory Diplomatic Conference, Marrakech, February **2018**
  - Preparatory Diplomatic Conference, Istanbul, March **2019**
  - **Diplomatic Conference, Malaysia, early in 2020**
-

# Benefits

International Maritime Community



- Strengthened position
- Increased world-wide acceptance
- Influence may potentially grow
- Ability to act, react and respond



# Benefits

IALA as an organisation



- Trilogy with IMO and IHO (ITU and WMO)
- Capacity building opportunities increases
- Facilitates global participation
- HQ agreement with host nation



# Benefits



For members (Contracting Governments)

- International harmonization improves
- Implementation of Standards may be easier
- More efficient secretariat
- Increased awareness





# Risks

## Areas of concern



- Financial loss due to loss of members
- Increase of membership fee/contribution
- Complicated entry into force arrangements







## The Draft Convention – Outstanding matters

- The name: IALA/AISM
- Official languages – English, French and Spanish
- Some legal aspects – disputes, amendments etc.
- Transitional arrangements





The Diplomatic Conference

Please support IALA as an IGO  
in Malaysia in 2020!



*Kuala Lumpur, Malaysia*





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