

IALA Seminar on Arctic Navigation (V3 Revised 2017-01-09)

1. Purpose and Focus Points

1.1. Purpose

For nations and organisations which provide maritime services in the Arctic to exchange information and to develop views on :

- traffic awareness, ship reporting, and data sharing
- maritime digital information services
- positioning services
- aids to navigation

1.2. Focus Points

Focus points could draw on IALA's information paper to IMO on the February 2010 meeting at IALA attended by Arctic nations (IMO MSC 87/INF.15C).

Resolution of the meeting between Canada, Denmark, Norway, Russian Federation, the United States of America and IALA on 10-12 February 2010

THE SAID NATIONS AND IALA: RECALLING etc.

AGREE that it is necessary to adopt a harmonised approach in addressing current and future risk, as described above, in Arctic waters;

ENVISION that the said nations should, in Arctic waters, take the opportunity to:

- initiate the establishment of a common Arctic ship reporting and data sharing system;
- develop a common approach to marine traffic awareness and monitoring;
- move towards a single, harmonised system of marine aids to navigation;
- anticipate and mitigate risk to maritime traffic and the marine environment;

RECOMMEND that, for Arctic waters, IALA support the said nations in relation to:

- enhancing marine traffic awareness and providing a forum for those establishing ship reporting and data sharing systems;
- the marking of polar routes and development of virtual aids to navigation;
- the application of risk management methodology; and
- the importance of improving hydrographic services in the region.

2. Organisation of the Seminar

2.1. Name

- "IALA Seminar on Arctic Navigation"

2.2. Host and location

- IALA Secretariat, St Germain en Laye 78100, France

2.3. Duration and dates

- Two days, November 9 and 10, 2017

2.4. Invitees

- The Secretariat of the Arctic Council
- The Secretariat of the Nordic Council of Ministers
- Representatives from IALA National Members of the Arctic Council states
 - Canada
 - Kingdom of Denmark
 - Finland
 - Iceland
 - Norway
 - Russian Federation
 - Sweden
 - United States of America
- Arctic Council observer States
 - France (IALA Council member)
 - Germany (IALA Council member)
 - The Netherlands (IALA Council member)
 - Poland
 - Spain (IALA Council member)
 - United Kingdom (IALA Council member)
 - People's Republic of China (IALA Council member)
 - Italian Republic (IALA Council member)
 - Japan (IALA Council member)
 - Republic of Korea (IALA Council member)
 - Republic of Singapore
 - Republic of India (IALA Council member)
- IALA Council member
Chile
- International organisations
 - IMO
 - WMO
 - IHO
- Other invited organisations
 - Internavigation Research and Technical Centre, Russian Federation (Represents Russian Federation at FERNS Council)
 - Nautical Institute
 - CIRM
 - IMPA
 - ICS

3. Agenda – Day 1

3.1. Opening, Purpose, Situation

- IALA Secretary-General opens the Seminar
 - Background and purpose of the Workshop
 - Previous IALA meeting of February 2010, and INF paper to IMO

- Informal Arctic discussions during recent IALA Council meetings
- IALA technical work to date
- Arctic Council viewpoint
 - Needs identified by the Arctic Council concerning Hydrography, AtoN, maritime services
- WMO sets the climate and weather scene
 - Future trends in weather and climate
- ICS speaks on traffic trends for commercial shipping
- IHO describes hydrographic status and plans

3.2. Arctic States viewpoints

- Arctic states' views on present status of, and the needs for, Arctic navigation

4. Agenda – Day 2

4.1. Maritime services, and aids-to-navigation (IALA and Canada to moderate?)

- Maritime services needs
- Communications challenges for information connectivity
- Data modelling and harmonised MSPs for the Arctic
- Satellite MSI services today and in future

4.2. Traffic awareness (Norway and Russia to moderate?)

- Sources of marine traffic data
 - EMSA and/or commercial AIS satellite sensing company to speak (Councillor for Denmark)
- Traffic awareness today
- Information exchange mechanisms

4.3. Position fixing services (USA and Denmark to moderate?)

- Positioning services
 - Positioning, including visual and electronic aids to navigation
 - GNSS
 - Terrestrial services
- Survey and Charting (Councillor for Denmark)

4.4. Conclusions and closing

- Summary of conclusions
- Consider if follow-up action is desirable
- Any other business