

Agenda item 13  
Author(s) / Submitter(s) Secretariat

## IALA-IHO Seminar on Arctic (Polar) Navigation

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### 1. Purpose and Focus Points

#### 1.1. Purpose

- To raise the awareness of the needs of maritime safety in the Arctic (Polar) Region.
- To develop views on desirable coordinated action which could be achieved in [five] years on
  - communications, maritime services and aids to navigation; and
  - nautical charting services and hydrography

#### 1.2. Focus Points

IALA (IMO MSC 87/INF.15C):

Participants should:

- 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, harmonized system of marine aids to navigation (Polar routes and virtual aids to navigation); and
- anticipate and mitigate risk to maritime traffic and the marine environment.

IHO:

### 2. Organisation of the Seminar

#### 2.1. Name

- “IALA-IHO Seminar on Arctic (Polar) Navigation”

#### 2.2. Host and location

- IALA Secretariat, St Germain en Laye 78100, France

#### 2.3. Duration and dates

- Two days
- Week commencing 28 August 2017 – to be confirmed

#### 2.4. Organisers

- IHO Secretariat

- IALA Secretariat

## **2.5. 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/Observer states
- International organisations
  - IMO
  - WMO
- Other invited organisations
  - Internavigation Research and Technical Centre, Russian Federation (represents Russian Federation at FERNs Council)
  - Nautical Institute
  - CIRM
  - IMPA
  - ICS
  - ITU?
  - Others?

## **3. Agenda – Day 1**

### **3.1. Opening, Purpose, Situation**

- IALA Secretary-General and IHO President open 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
- IHO President describes hydrographic status and plans
  - survey coverage
  - chart coverage
  - priorities
  - coordination
- WMO sets the climate and weather scene
  - Future trends in weather and climate
- Arctic Council viewpoint
  - Needs identified by the Arctic Council concerning Hydrography, AtoN, maritime services

### **3.2. Arctic States viewpoints**

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

## **4. Agenda – Day 2**

### **4.1. Expert-led discussion A (IALA)**

- Communications, maritime services, and aids-to-navigation

- Maritime services
- ○ Vessel tracking
- Communications challenges, data modelling, and harmonised connectivity
- Positioning, including visual and electronic aids to navigation
- Aim to have two or three firm action items for IALA

#### **4.2. Expert-led discussion B (IHO)**

- Setting priorities / hydrographic risk assessment
- Self-help - crowd-sourcing and data verification
- Multi-disciplinary programmes
- Data discovery and sharing

#### **4.3. Conclusions and closing**

- Summary of conclusions
  - Communications, maritime services, and aids-to-navigation
  - Ship reporting
  - Traffic awareness
  - Hydrography
- Action items
  - IALA
  - IHO
  - States
- Follow up plan
  - Identify areas where the participants, including IALA and IHO, could work together for the benefit of Arctic navigation safety and efficiency
  - Establish working groups to continue after the Seminar and decide how they will report
  - Decide if a second Seminar is desirable, and if so when
- AOB

## Timetable

<b>Day 1</b>		
Registration		0900-0930
Opening of Seminar	IALA Secretary-General	0930-0950
	IHO President	0950-1020
	WMO	1020-1050
	Arctic Council	1050-1130
Coffee break		30 min 1130-1200
Arctic States viewpoints	Four addresses of 15 min	1200-1300
Lunch	At IALA HQ	80 min 1310-1430
Arctic States viewpoints	Four addresses of 15 min	1430-1530
Coffee break		30 min 1530-1600
Summary and discussion	Led by IALA Secretary-General and IHO President	1600-1630
<b>Day 2</b>		
Expert-led discussion A		0900-1000
Conclusions	Led by IALA	1000-1030
Coffee break		30 min 1030-1100
Expert-led discussion B		1100-1200
Conclusions	Led by IHO	1200-1230
Closing of Seminar and follow-up	IALA Secretary-General	1230-1250
Lunch	At IALA HQ	60 min 1300-1400
Delegates depart		