

Proposed IALA-IHO Seminar on Arctic Navigation

1. Purpose

- To raise the awareness of the needs of maritime safety in the Arctic
- To develop views on desirable coordinated action which could be achieved in [five] years on
 - Communications, maritime services and aids to navigation
 - Nautical charting services and hydrography

2. Organisation of the Seminar

2.1. Name

- “IALA-IHO Seminar on Arctic Navigation”

2.2. Host and location

- IALA Secretariat, St Germain en Laye 78100, France

2.3. Duration and dates

- Two days
- Possibly within 5-9 September 2016, or within 1-11 November 2016

2.4. Invitees

- Organisers
 - IHO Secretariat
 - IALA Secretariat
- Representatives from the Arctic Council states
- International organisations
 - IMO
 - WMO
 - Arctic Council and PAME
- Other invited organisations
 - Internavigation Research and Technical Centre, Russian Federation (represents Russian Federation at FERNs Council)
 - 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
 - Hydrography
- Action items
 - IALA
 - IHO
 - States
- Follow up plan
 - Reporting method
 - Further coordination e.g. repeat in two years' time
- AOB

Timetable

Day 1		
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
Day 2		
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		