

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 | | |