Communications in high latitudes: IMO NCSR Sub-Committee update

S. Pristrom
International Maritime Organization (IMO)
Outcome of NCSR 6 (16-25 January 2019)

- draft Guidance for navigation and communication equipment intended for use on ships operating in polar waters
- Harmonization of the format and structure for Maritime Services
- GMDSS review: amendments to SOLAS chapters III and IV
- Recognition of new navigation satellite systems
- EPIRB-AIS
Consequential work related to the Polar Code

draft Guidance for navigation and communication equipment intended for use on ships operating in polar waters

- Generally limitations due to environmental conditions should be documented in the PWOM

- Additional validation for magnetic compass in lat $> 70^\circ$

- Appendix: survival craft and rescue boat communication capabilities
Harmonization of the format and structure for Maritime Services

▶ draft *Guidance on the definition and harmonization of the format and structure of Maritime Services in the context of e-navigation*

▶ draft *Initial descriptions of Maritime Services in the context of e-navigation*

MS 13 – Ice navigation service

▶ protection of the sensitive polar marine environment
Revision of SOLAS chapters III and IV for modernization of the GMDSS, including related and consequential amendments to other existing instruments

▶ Progress made in the development but some outstanding issues remain
▶ Radar SART not to be phased out
▶ Draft amendments to SOLAS chapters III and IV require review of the Polar Code (NCSR 6/WP.5, annex 9)
A new navigation satellite system, in order to be recognized by the Organization, should meet the requirements in

- **Revised maritime policy and requirements for a future global navigation satellite system (GNSS) (resolution A.915(22))**

- **Worldwide Radionavigation System (resolution A.1046(27))**

- **N.B. The criteria for the provision of mobile satellite communication systems in the GMDSS are set out in A.1001(25)**
EPIRB-AIS
Outcome of NCSR 6 (16-25 January 2019)

Revised performance standards for EPIRBs operating on 406 MHz (resolution A.810(19)) to include COSPAS-SARSAR MEOSAR and second generation beacons

▶ New performance standards for float-free EPIRBs operating on 406 MHz (new installations only)
Other matters discussed
Outcome of NCSR 6 (16-25 January 2019)

Other matters discussed

► Detection by night vision devices of Marine Aids to Navigation fitted with light emitting diode (LED) sources
► Report on the twentieth Combined Antarctic Naval Patrol 2017-2018
► draft MSC circular on Guidance for navigation and communication equipment intended for use on ships operating in polar waters
Thank you

Sascha Pristrom.
GBS Implementation Officer, Maritime Safety Division, International Maritime Organization (IMO).
spristro@imo.org.
+44 (0)20 7463 4230.