

Communications in high latitudes: IMO NCSR Sub-Committee update

S. PRISTROM

International Maritime Organization (IMO)



Outcome of NCSR 6 (16-25 January 2019)

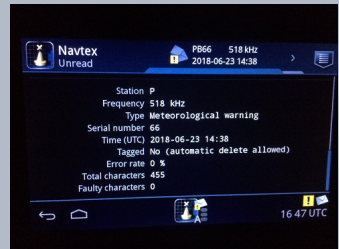
- ▶ draft Guidance for navigation and communication equipment intended for use on ships operating in polar waters
- ▶ Harmonization of the format and structure for Maritime Services
- ▶ GMDSS review: amendments to SOLAS chapters III and IV
- ▶ Recognition of new navigation satellite systems
- ▶ EPIRB-AIS

Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) Outcome of NCSR 6 (16-25 January 2019)

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draft Guidance for navigation and communication equipment intended for use on ships operating in polar waters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



Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) Outcome of NCSR 6 (16-25 January 2019)

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)

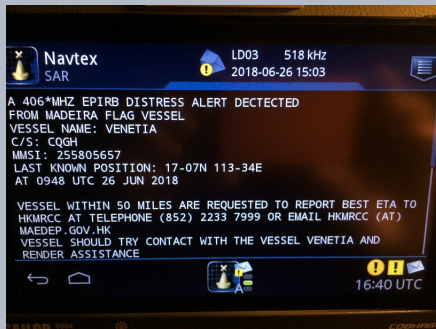


EPIRB-AIS

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 I



Sascha Pristrom.

GBS Implementation Officer, Maritime Safety
Division, International Maritime Organization (IMO).

spristro@imo.org.

+44 (0)20 7463 4230.