



Mariner's Workshop- Transport Canada Marine Safety update

January 27th and 28th 2021

Presentation Outline

1. IMO Updates

- 7th Session of the Sub-Committee on Navigation, Communications and Search and Rescue (NCSR)
- 16th Session of the Joint IMO/ITU Experts Group on Maritime Radiocommunication Matters
- 102nd Session of the Maritime Safety Committee

2. Navigation Safety Regulations 2020

3. Vessel Traffic Services Zones Regulations

4. Questions

IMO Updates

7th Session of the Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) 15-24 January 2020

1. To resolve issues related to MSI symbol in navigation equipment, Canadian IMO-NCSR7 submission recommended for MSC to approve corrigendum to IMO SN.Circ.243.Rev2 that removes the symbol causing issues for the development of IHO S-124.
2. Finalized draft revisions to SOLAS chapters III and IV as part of the modernization of the Global Maritime Distress and Safety System (GMDSS) and progressed on the preparation of related amendments. Should enter into force on 1 January 2024.
3. Preliminary draft text of revised Guidelines on Places of Refuge for ships in need of assistance to be forwarded to MSC 102 for endorsement.

IMO Updates

7th Session of the Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) 15-24 January 2020

4. **Safety of measures for non-SOLAS ships operating in polar waters** - Correspondence group established to conduct analysis on how to apply chapters 9 and 11 of the Polar Code to non-SOLAS vessels and to either modify requirements to improve safety or identify requirements that are deemed not necessary. Report to be submitted to NCSR 8 (19-23 April 2021).

5. **Electromagnetic Interference (EMI) effects of light-emitting diode (LED) lighting systems and the impact on maritime safety** – Noted that EMI can be caused by LED lighting systems as well as any other electronic device equipped with a switch-mode power supply. Outage of GPS receivers on board vessels already been reported.

6. Lack of global harmonization and speed of development of actual end user Maritime Services (MS) in the context of e-Navigation raised concerns. Agreed to the need to continue cooperation meetings in various stakeholder organizations. Strategic Implementation Plan (SIP) will not get amended at this time.

IMO Updates

16th Session of the Joint IMO/ITU Experts Group on Maritime Radiocommunication Matters (3 July to 18 September 2020 – By Correspondence)

1. **Draft amendments to the 1974 SOLAS Convention-** The Group reviewed various draft amendments and editorial changes to SOLAS chapters III and IV and the forms of certificates and records of equipment, agreed in principle by NCSR 7.
2. **Related and consequential amendments to existing instruments other than SOLAS–** The Group considered proposals related to consequential amendments to more than 20 Codes, Circulars and Resolutions.
3. **Electromagnetic Interference (EMI) effects of light-emitting diode (LED) lighting systems**

IMO Updates

102nd Session of the Maritime Safety Committee (MSC) 4-11 November 2020

1. The Committee approved IMO SN.Circ.243.Rev2/Corr.1 addressing an issue with MSI portrayal guidance which had been identified at NCSR 7 on the *Guidelines for the presentation of navigation-related symbols, terms and abbreviations*.
2. The Committee recognized the urgent need to address cost implications for MSI and SAR information providers over multiple recognized mobile satellite services and deferred this matter to MSC 103 due to time constraints for further in-depth discussions.
3. The Committee adopted resolution MSC.480(102) on *Performance standards for shipborne Japanese Quasi-Zenith Satellite System (QZSS) receiver equipment*.
4. The Committee approved SN.1/Circ.340 on *Recognition of the Indian Regional Navigation Satellite System (IRNSS) as a component of the Worldwide Radionavigation System*.

Navigation Safety Regulations 2020

The new Regulations **came into force** on October 28th, 2020.

Ship Safety Bulletin – Bulletin 23/2020 was published on November 9th, 2020. It provides general information and a link for the new Regulations.

<https://tc.canada.ca/en/marine-transportation/marine-safety/ship-safety-bulletins/new-navigation-safety-regulations-ssb-no-23-2020>

Navigation Safety Regulations 2020

Repeal– the following Regulations are now **repealed** :

- *Charts and Nautical Publication Regulations, 1995*
- *Navigation Safety Regulations*
- *Voyage Data Recorder Regulations*
- *Ship Station (Radio) Regulations, 1999*
- *Ship Station (Radio) Technical Regulations, 1999*
- *VHF Radiotelephone Practices and Procedures Regulations*
- *Anchorage Regulations*
- *Burlington Canal Regulations*
- *St. Clair and Detroit River Navigation Safety Regulations*

Navigation Safety Regulations 2020

Key Changes

- Incorporation by reference of the SOLAS Chapter IV and V
- Electronic chart display and information system (**ECDIS**) requirement onboard new vessels
- Broader requirements for automatic identification systems (**AIS**)
- Digital Selective Calling (**DSC**) capability for VHF radiotelephones
- New requirements to carry a two-way communication device outside sea area A1
- New requirements for carrying of 406 Mhz emergency beacons (**EPIRB**) for vessels that operate outside sheltered waters. New requirement for all vessels owners to make sure that their beacon registration information is up-to-date

Navigation Safety Regulations 2020

Coming Into Force

Some [exceptions as applicable](#)

- ECDIS for new builds - 28 October, 2021
- AIS - 26 April, 2021
- BNWAS through the IBR of SOLAS V for vessels that engage solely on domestic voyages - January 1, 2022

Vessel Traffic Services Zones Regulations

Early Planning stage for the modernization of the VTS Regulations

If you have any **ideas or comments** for the **future** of these Regulations, do not hesitate to contact us

Formal Consultations should begin in the Spring of 2021

Questions / Comments

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Thank you