

Marine Safety and Security Sécurité et sûreté Maritimes



Mariners' Workshop - January 29th and 30th 2020:

**Consolidation of Navigation Safety Regulations
IMO - NCSR / MSC Updates**



Transport
Canada

Transports
Canada

Canada

IMO UPDATE – NCSR / MSC Sessions

- Outcome of the **Navigation, Communications and Search and Rescue** (NCSR) 6th session January 16th to 26th, 2019.
- **NCSR** 7th session - January 15th to 24th ,2020.
- Outcome of **Maritime Safety Committee** (MSC) 101st session June 5th to 14th 2019.
- **MSC** 102nd session - May 13th to 22nd, 2020.

Outcome of NCSR 6th Session

- **Polar communication and navigation equipment guidance**
- **E-navigation further developed MSC.1/Circ.1595**
- *Future global navigation satellite system (GNSS)*
(Res A.915(22))
- **Guidelines for the presentation of navigational-related symbols, terms and abbreviations**
SN.1/Circ.243/Rev.2

Outcome of NCSR 6th Session

Sub-Committee agreed a draft;

- **MSC circular on Guidelines for the standardization of user interface design for navigation equipment.**
- **amendments to the Performance standards of navigation-related information on shipborne navigational displays (resolution MSC.191(79)),**
- **MSC resolution on Guidance on the definition and harmonization of the format and structure of Maritime Services in the context of e navigation.**

Outcome of NCSR 6th Session

- **Maritime Safety Information (MSI) and maritime services**
- **The Sub-Committee approved draft amendments to the following MSI-related instruments**
- International SafetyNET Manual (MSC.1/Circ.1364/Rev.1)
- Promulgation of maritime safety information (resolution A.705(17), World-Wide Navigational Warning Service (resolution A.706(17),
- IMO/WMO Worldwide Met-Ocean Information and Warning Service guidance document (resolution A.1051(27)).

Outcome of NCSR 6th Session

- **New performance standards for EPIRBs**
- **VDR testing guidelines updated MSC.1/Circ.1222 and MSC.333(90).**
- **Plan to modernizing the GMDSS**

Outcome of MSC 101st Session

Adoption and Approvals

- **Approved Interim guidelines for Maritime Autonomous Surface Ship trials**
 - **Onboard or remote operators of MASS should be appropriately qualified for operating MASS trials**
 - **Appropriate steps should be taken to ensure sufficient cyber risk management of the systems and infrastructure used when conducting MASS trials.**

Outcome of MSC 101st Session

Adoption and Approvals

- **Safety of ships in polar waters – navigation equipment guidance and draft resolution approved**
- **approved Interim guidelines on life-saving appliances and arrangements for ships operating in polar waters.**

Outcome of MSC 101st Session

Adoption and Approvals

- **Approved amendments to Maritime Safety Information (MSI)-related instruments.**
- **Approved Interim guidance on technical requirements for Fleet Safety**
- **Agreed to circulate an Interim Iridium SafetyCast service manual on Iridium's enhanced group calling service for use in the GMDSS**

Outcome of MSC 101st Session

Adoption and Approvals

- **E-navigation progress**
 - **The MSC approved a number of circulars related to the development of e-navigation**
 - **Amendments to the Performance standards for the presentation of navigation-related information on shipborne navigational displays (resolution MSC.191(79)).**

Outcome of MSC 101st Session

Approval of other draft amendments, guidance and guidelines

- **Adopted performance standards for float-free emergency position-indicating radio beacons (EPIRBs) operating on 406 MHz**
- **Approved a Procedure for the submission of ships' routeing systems or ship reporting systems.**
- **Approved amendments to update the Guidelines on annual testing of voyage data recorders (VDR) and simplified voyage data recorders (S-VDR)**

Submission to NCSR

- **Currently only AIS-based Man Overboard devices are acceptable in Canada and they would be phased out from the market over time.**
- **Draft guidelines on *standardized modes of operation* (S-mode): if adopted, guidelines will be made available in January 2024 for ECDIS, radar and Integrated Navigation System (INS), and July 2025 for other equipment.**

Submission to NCSR

- **Routeing Proposals / Requirements:**
 - **Future Canadian submissions for IMO adoption (i.e outside internal waters)**
 - **Early submission of Traffic Separation Scheme (at least 6 months prior to NCSR)-**

NCSR 7th Session

- **Recognized IRNSS**
- **Further the work on the recognition of QZSS**
- **e-Navigation**
- **GMDSS Modernization**

Navigation Safety Regulations 2020

Gazette Part 1 – Comments

- **Coming Into Force Dates**
- **BNWAS Carriage Requirement**
- **St. Clair and Detroit River overtaking**

Canada Gazette Part II – Later this year

- **Overtaking in the Fleming Channel**

Navigation Safety

Vessel Traffic Services Zones Regulations

- **The Vessel Traffic Services Zones Regulations are out of a date and some reporting requirements are referring to outdated convention or are missing**
- **The VTS Regulations (and the related TP) are currently being considered for “modernization”**

Navigation Safety

Electromagnetic interference of Light Emitting Diode (LED) Effects

Poor reception on VHF frequencies used for radiotelephone, digital selective calling (DSC) and automatic identification systems (AIS) when in the vicinity of light emitting diode (LED) lighting. How to test?

Reports are now coming in that the scope is beyond VHF and that some LED may negatively affect Satellite Reception (GNSS / MSS)

Distance between LED lights and Antennas

Your feedback

- **Issues / concerns that you would like the Government of Canada to address or raise at IMO**
- **Views on AIS SART: potential phasing out of Radar SARTs**

Contact points

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