



E-navigation / IMO / TC update

Mariners' Workshop

Montréal – January 2018





IMO UPDATE – NCSR / MSC SESSIONS

- **Navigation, Communications and Search and Rescue (NCSR) 4th Session**
March 6th to 10th, 2017.
- **NCSR 5th Session**
February 19th to 23th, 2018.
- **Maritime Safety Committee (MSC) 98th**
June 07th to 16th, 2016
- **MSC 99th**
May 16th to 25th, 2018



IMO UPDATE - NCSR 4TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

- Developed a draft amendment to MSC.401(91) on the *Performance Standards for Multi-System Shipborne Radionavigation Systems* to ensure that the standards for stand-alone systems were taken into account;
- Prepared a draft performance standard for a ship earth station for use in the GMDSS;
- Prepared a draft Modernization Plan for the GMDSS.



IMO UPDATE - NCSR 4TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

- Agreed to amendments to the performance standards for NAVTEX, EGC and **I**ntegrated **N**avigation **S**ystem (INS) to permit the display of NAVTEX and EGC Safetynet on INS displays;
- Relating to the above, liaison statements were drafted to the **I**nternational **H**ydrographic **O**rganization (IHO), **W**orld **M**eteorological **O**rganization (WMO) and **I**nternational **E**lectrotechnical **C**ommission (IEC) to advise of this change;



IMO UPDATE - NCSR 4TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

- NCSR also established a correspondence group under the guidance of Norway to develop Guidelines for the harmonized display of navigation information received via communications equipment.
- Finalized a draft MSC Resolution on Performance standards for a ship earth station for use in the GMDSS;



IMO UPDATE - NCSR 4TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

- Tasked **I**nternational **M**obile **S**atellite **O**rganization (IMSO) to assess the Inmarsat FleetBroadband Maritime Safety Data Service for use in the GMDSS;
- Drafted an MSC circular on Guidelines for shipborne **P**osition, **N**avigation and **T**iming (PNT) data processing.



IMO UPDATE - NCSR 4TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

- Considered the risks associated with LEDs used in emergency equipment, navigation aids and obstruction lights (and) not detectable by night vision equipment;
- Drafted a MSC circular on unified interpretation of the provisions of SOLAS related to the annual testing of the VDR, S-VDR, AIS and EPIRB;



IMO UPDATE - NCSR 4TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

- Drafted an MSC circular on unified interpretation of the application of COLREG with respect to the placement of sidelights.
- Activated the IMO/IHO Harmonization Group on Data Modelling (HGDM) to develop guidance on definition and harmonization of the format and structure of Maritime Service Portfolios (MSP)



IMO UPDATE

MARINE SAFETY COMMITTEE (MSC) 98TH SESSION

The 98th session of the Committee approved

- MSC.432(98) on “*Amendments to Performance standards for multi-system shipborne radionavigation receiver*” (resolution MSC.401(95))
- MSC 434(98) on “*Performance standards for a ship earth station for use in the GMDSS*”
- The Modernization Plan of the Global Maritime Distress and Safety System (GMDSS)



IMO UPDATE

MARINE SAFETY COMMITTEE (MSC) 98TH SESSION

- Postponed the amendment of Resolution MSC.252(83) on *Revised performance standards for integrated navigation systems (INS)*;
- Approved MSC.1/Circ.1575 on *Guidelines for shipborne position, navigation and timing (PNT) data processing*;
- Approved the revision of the MSC.1/Circ.1079 *Guidelines for preparing plans for cooperation between search and rescue services and passenger ships*



IMO UPDATE – NCSR 5TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

Planned work for NCSR 5

- Application of the Indian Regional navigation Satellite System (IRNSS) and development of performance standards;
- Guidelines for the harmonized display of navigation information received by communications systems;
- Guidelines on standardized modes of operations (S-mode);
- Consequential work related to the new Polar Code.



IMO UPDATE – NCSR 5TH SESSION

SUB-COMMITTEE ON NAVIGATION, COMMUNICATION AND SEARCH AND RESCUE

- Revision of SOLAS Chapters III & IV for modernization of the GMDSS (and consequential amendments);
- Revised Performance Standards for EPIRBs - Resolution A.810(19);
- Amendments to the International Aeronautical and Maritime Search and Rescue (IAMSAR) manual.



TRANSPORT CANADA

REGULATORY UPDATE

NAVIGATION SAFETY REGULATIONS

New Navigation Safety Regulations

- Incorporation of ten existing regulations into one
- Most important modifications
 - Incorporation of SOLAS chapter V for vessels of 150 gross tonnage and upward on international voyage and for vessels of 500 gross tonnage and upward navigating outside of Great-Lakes
 - Expand the carriage requirements for EPIRB, AIS, ECDIS and BNWAS



TRANSPORT CANADA

REGULATORY UPDATE

NAVIGATION SAFETY REGULATIONS

- ECDIS new vessels of 3000 gross tonnage and more
- BNWAS for vessels affected by the incorporation by reference of SOLAS
- Navigation Safety Regulations should be published in the Canada Gazette part I late spring 2018
- Navigation Safety Regulation in Canada Gazette part II around Fall 2018.



TRANSPORT CANADA

REGULATORY UPDATE

POLAR CODE

- Polar Code is incorporated by reference into the new Arctic Shipping Safety Pollution Prevention Regulations (ASSPPR).
- As consequential amendment of the ASSPPR, requirements specific to the Arctic included into the Ship Station (Radio) Regulations, 1999 and the Navigation Safety Regulations will be repealed.



QUESTIONS

Marie-Hélène Roy

Manager

Navigation Safety & Radiocommunication

Telephone: 613-991-3134

Email: marie-helene.roy@tc.gc.ca

Thank You