



# Technical Information

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To : Whom It May Concern

Subject : Summary Report on IMO Meeting of Maritime Safety Committee 102nd Session (MSC 102)

## Summary

This Technical Information summarizes the result of 102nd Session of the IMO Maritime Safety Committee (MSC 102) that was held from the 04 to 11 November 2020, at the IMO headquarters in London.

## Information

1. The information provided in this Technical Information are the ones which have high relevance with the work of BKI or considered as an essential information for interested parties.
2. The following agenda are among those discussed during the meeting :

Agenda Number	Topic
3	Consideration and adoption of amendments to mandatory instruments
7	Goal-based new ship construction standards
14	Implementation of IMO instruments (report of the sixth session of the Sub-Committee)
15	Carriage of cargoes and containers (report of the sixth session of the Sub-Committee)
17	Ship design and construction (report of the seventh session of the Sub-Committee)
19	Ship systems and equipment (report of the sixth session of the Sub-Committee)
23	Any Other Business

3. The Agenda above are several technical issues discussed during the meeting. A brief coverage among the issues are expressed in the attached document.

More info

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## **BRIEF INFORMATION ON IMO MEETING OF MARITIME SAFETY COMMITTEE 102ND SESSION (MSC 102)**

### **A. CONSIDERATION AND ADOPTION OF AMENDMENTS TO MANDATORY INSTRUMENTS (Agenda item 3)**

#### **1. Amendments to the 1974 SOLAS Convention**

Following the decision in the MSC 101, the Committee considered on draft amendments to SOLAS chapter II-1 regarding watertight integrity and safe mooring operations. In addition, the Committee also considered the different implementation dates in the draft amendments to SOLAS regulations II-1/1.3.2.3 (Application) and II-1/3-8 (Towing and mooring equipment).

Taking into account comments made and decision taken in plenary, the Committee agreed the draft amendments and adopted on resolution MSC.474(102) and will enter into force on 01 January 2024.

#### **2. Amendments to the IGF Code**

The Committee approved on the draft amendments to sections 6, sections 11 and sections 16 of the IGF Code, concerning regulations for pressure relief systems and fuel preparation room fire-extinguishing systems and the welding of metallic materials and non-destructive testing for the fuel containment system.

These amendments are adopted by resolution MSC.475(102) and will enter into force on 01 January 2024.

#### **3. Amendments to the IGC Code**

The Committee approved on the draft amendments to chapter 6 of the IGC Code concerning welding procedure test for cargo tanks and process pressure vessels.

These amendments are adopted by resolution MSC.476(102) and will enter into force on 01 January 2024.

#### **4. Amendments to the IMDG Code**

The Committee agreed on list of editorial modification to the draft amendments to the IMDG Code which will incorporated in the final text of amendment 40-20 of the IMDG Code.

These amendments are adopted by resolution MSC.477(102) and will enter into force on 01 June 2022.

### **Non-Mandatory Instruments**

#### **1. Amendments to the EmS Guide**

The Committee agreed on the draft amendments to the Revised Emergency Response Procedures for Ships Carrying Dangerous Goods.

#### **2. Amendments to the Medical First Aid Guide (MFAG)**

The Committee agreed on the draft amendments to the IMO/WHO/ILO Medical First Aid Guide for use in Accidents Involving Dangerous Goods (MFAG).

#### **3. Mooring Arrangements and Equipment**

The committee approved the following draft MSC Circular on

- a) Guidelines on the design of mooring arrangements and the selection of appropriate mooring equipment and fittings for safe mooring.
- b) Guidelines for Inspection and Maintenance of Mooring equipment including line
- c) Guidance on Shipboard Towing and Mooring Equipment

## **B. GOAL BASED NEW SHIP CONSTRUCTION STANDARDS (Agenda item 7)**

Taking into account the limited time available at this session, MSC 102 only considered the GBS audit report and postponed on the others document in the future session. Additionally, for document MSC 102/7/5 and MSC 102/7/6 would be a consideration under agenda item 22 together with COVID-19 related matters.

The MSC 102 confirmed on the GBS audit report for:

- a) the rectification of non-conformities identified in the initial verification audit of Türk Loydu ship construction rules;
- b) the second GBS maintenance verification audit of 11 recognized organizations and IACS' common structural rules for bulk carriers and oil tankers (CSR);
- c) the re-verification of DNV-GL ship construction rules.

Besides that, MSC 102 also recalled that based on implementation of Resolution MSC.454(100), in order to establish continued conformity with the GBS verification guidelines, the scheduled interval for maintenance audits are to be conducted every 3 years.

## **C. IMPLEMENTATION OF IMO INSTRUMENTS (Agenda item 14)**

MSC 102 considered the report of the III 6 and discussed the followings:

### **Methodology for developing guidelines on port State control**

The Committee re-affirmed the methodology for developing guidelines for port State control under the coordination of the Sub-Committee III.

### **Model Agreement for the authorization of Ros acting on behalf of the Administration.**

With regard to the proposal for amendment of the draft MSC-MEPC circular on Model agreement for the authorization acting on behalf of the Administration, which intended to delete or amend to paragraph 6.5.5, the Committee decided to bring this issue to III 7 for further consideration.

### **Non-mandatory instrument on regulations for non-convention ships**

MSC 102 did not consider for this item until the outcome of the work on measures to improve domestic ferry safety in the future session has been done.

## **D. CARRIAGE OF CARGOES AND CONTAINERS (Agenda item 15)**

In general, MSC 102 approved the report of the CCC 6 and also approved several circular as follow:

### **The safety of ships using methyl/ethyl alcohol as fuel**

The Committee approved MSC.1/Circ.1622 on Interim guidelines for the safety of ships using methyl/ethyl alcohol as fuel.

### **Application of high manganese austenitic steel for cryogenic service**

The Committee approved MSC.1/Circ.1623 on Guidelines for the acceptance of alternative metallic materials for cryogenic service in ships carrying liquefied gases in bulk and ships using gases or other low-flashpoint fuels.

Additionally, the Committee also approved MSC.1/Cir.1599/Rev.1 on Revised Interim guidelines on the application of high manganese austenitic steel for cryogenic service.

### **Amendments the CSS Code and consequential amendments.**

The Committee approved MSC.1/Circ.1624 on Amendments to the Code of Safe Practice for Cargo Stowage and Securing (CSS Code).

## **E. SHIP DESIGN AND CONSTRUCTION (Agenda item 17)**

MSC 102 considered the report of the SDC 7 and discussed the followings:

### **The explanatory notes to the SOLAS chapter II-1**

Following the adoption of the draft amendments to SOLAS Chapter II-1 under agenda item 3, the Committee also considered the draft Revised explanatory notes to the SOLAS chapter II-1 subdivision and damage stability regulations, to ensure the uniform application of the amendments. Thereof, the Committee also adopted Resolution MSC.429(98)/Rev.2 on the Revised explanatory notes to the SOLAS chapter II-1 subdivision and damage stability regulations (Revised Explanatory Notes), which will take effect on 1 January 2024 for ships as defined in SOLAS regulation II-1/1.1.1.

### **Unified Interpretations of SOLAS chapter II-1 and XII**

The Committee approved MSC.1/Circ.1572/Rev.1 on Unified interpretations of SOLAS chapters II-1 and XII, of the technical provisions for means of access for inspections (resolution MSC.158(78)) and of the Performance Standards for water level detectors on bulk carriers and single hold cargo ships other than bulk carriers (resolution MSC.188(79)).

### **Finalization of second generation intact stability criteria**

The Committee approved MSC.1/Circ.1628 on Interim guidelines for the second generation intact stability.

### **Carriage of industrial personnel**

The Committee considered the application of draft SOLAS chapter XV to existing ships certified to the Interim recommendations on the safe carriage of more than 12 industrial personnel on board vessels engaged on international voyages (resolution MSC.418(97)).

Taking into account the discussion in plenary, the Committee agreed for the existing ship certified under this resolution could be allowed to operate, provided that they also meet some of the operational and equipment requirements in the new IP Code.

Therefore, the Committee instructed SDC 8 to develop grandfathering provisions for existing ships certified under the Interim Recommendations. In addition, the Committee also agreed for implementation of the new SOLAS chapter XV to new and existing ships (i.e. ships not certified to the Interim Recommendations) if such ships intend to carry industrial personnel on or after the date of entry into force of the new chapter.

#### **Water level detectors on non-bulk carrier cargo ships with multiple cargo holds**

The proposal to add a new provision to permit bilge level alarm sensors to be used as an alternative to a water level detector in the new draft SOLAS regulation II-1/25-1 has been approved by the Committee and expected can be adopted at MSC 103.

#### **Amendments to the 2011 ESP Code**

The Committee approved draft amendments to the 2011 ESP Code and are expected to be adopted at MSC 103.

#### **Mandatory requirements regarding watertight doors on cargo ships**

The Committee approved the draft amendments to the 1988 LL Protocol, the IBC and IGC Codes and MARPOL Annex I with respect to watertight doors on cargo ships, developed by the Sub-Committee.

### **F. SHIP SYSTEM AND EQUIPMENT (Agenda item 19)**

MSC 102 considered the report of the SSE 7 and discussed the followings:

#### **New requirements for ventilation of survival craft**

The Committee noted the progress made to finalize the draft amendments to the LSA Code regarding new requirements for ventilation of survival craft.

#### **Revision of SOLAS chapter III and the LSA Code**

The Committee endorsed the action plan for the revision of SOLAS chapter III and the LSA Code agreed by the Sub-Committee.

#### **Amendments to MSC.1/Circ.1430/Rev.1**

The Committee approved MSC.1/Circ.1430/Rev.2 on Revised guidelines for the design and approval of fixed water-based fire-fighting systems for ro-ro spaces and special category spaces.

#### **Amendments to the FSS Code**

These amendments are to clarify the acceptability of less complex and costly section identifiable fault isolation for individually identifiable fire detector systems installed on cargo ships and passenger ship cabin balconies.

#### **Onboard lifting appliances and anchor handling winches**

##### **Amendments to SOLAS chapter II-I**

These amendments are to develop uniform, goal and function-based standards to prevent serious incidents with respect to the operation of onboard lifting appliances and anchor handling winches (OLAW).

#### **Guidelines for lifting appliances**

The Committee approved the draft MSC circular on Guidelines for lifting appliances, with a view to final approval in conjunction with the adoption of the associated draft amendments to SOLAS chapter II-1

#### **Amendments to the LSA Code concerning single fall and hook systems**

The Committee noted on the progress made by the Sub-Committee to finalize the draft amendments to paragraph 4.4.7.6.17 of the LSA Code concerning single fall and hook systems with on-load release capability, for submission to a future session.

#### **Amendments to SOLAS regulation III/33 and the LSA Code**

The Committee approved draft amendments to:

- a. SOLAS regulation III/33, aiming to remove the applicability of the requirements to launch free-fall lifeboats to test their strength with the ship making headway at speeds up to 5 knots in calm water on cargo ships of 20,000 GT and above.
- b. paragraph 4.4.1.3 of the LSA Code regarding strength tests of free-fall lifeboats with the ship making headway up to 5 knots.

and are expected to be adopted at MSC 103.

#### **Amendments to footnotes in SOLAS and the LSA Code**

The Committee endorsed the recommendation of the SSE 7 to amend relevant footnotes in SOLAS and the LSA Code, as a consequence of the adoption of Assembly resolution A.1116(30) on Escape route signs and equipment location markings.

### **G. ANY OTHER BUSINESS (Agenda item 22)**

MSC 102 only considered agenda item related to the impact of the COVID-19 pandemic on safety matters and postponed consideration of all remaining document to future session.

#### **Unforeseen delay in the delivery of ships due to the COVID-19 pandemic**

The Committee considered the document MSC 102/7/5 and MSC 102/7/6 concerning the proposal to develop draft MSC circular on Unified interpretation of SOLAS regulation II-1/3-10 regarding the term "unforeseen delay in delivery of ships".

#### **Guidance on remote surveys**

Regarding the proposal to develop the guidance on the implementation of remote surveys, the Committee assumed that developing such guidance would require detail technical consideration by experts. Therefore, the Committee invited interested Member States and international organizations to submit a new output proposal to MSC 103.

### **H. LIST OF MSC RESOLUTIONS ADOPTED BY MSC 102**

1. RESOLUTION MSC.474(102) – Amendments to the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended
2. RESOLUTION MSC.475(102) – Amendments to the International Code of Safety for Ships using Gases or Other Low-Flashpoint Fuels (IGF Code)

3. RESOLUTION MSC.476(102) – Amendments to the International Code for Construction and Equipment of Ships Carrying Liquefied Gases In Bulk (IGC Code)
4. RESOLUTION MSC.477(102) – Amendments to the International Maritime Dangerous Goods Code (IMDG Code)
5. RESOLUTION MSC.478(102) – Amendments to Part B of the Seafarers' Training, Certification and Watchkeeping (STCW) Code
6. RESOLUTION MSC.479(102) – Revised Guidelines for Securing Arrangements for the Transport of Road Vehicles on Ro-Ro Ships
7. RESOLUTION MSC.429(98)/Rev.1 – Revised Explanatory Notes to the SOLAS Chapter II-1 Subdivision and Damage Stability Regulations (in effect until 31 December 2023)
8. RESOLUTION MSC.429(98)/Rev.2 – Revised Explanatory Notes to the SOLAS Chapter II-1 Subdivision and Damage Stability Regulations (in effect on 1 January 2024)
9. RESOLUTION MSC.62(67)/Rev.1. – Revised Guidelines for Safe Access to Tanker Bows
10. RESOLUTION MSC.480(102) – Revised Recommendation on the Use and Fitting of Retro-Reflective Materials on Life-Saving Appliances
11. RESOLUTION MSC.481(102) – Performance Standards for Shipborne Japanese Quasi-Zenith Satellite System (QZSS) Receiver Equipment

#### **I. LIST OF MSC RESOLUTIONS ADOPTED BY MSC 102**

1. MSC.1/Circ.1619 - Amendments to the Revised Emergency Response Procedures for Ships Carrying Dangerous Goods (MSC.1/Circ.1588) (EmS Guide)
2. MSC.1/Circ.1620 - Guidelines on the design of mooring arrangements and the selection of appropriate mooring equipment and fittings for safe mooring
3. MSC.1/Circ.1621 - Guidelines for inspection and maintenance of mooring equipment including lines
4. MSC.1/Circ.1175/Rev.1 - Revised guidance on shipboard towing and mooring equipment
5. MSC.1/Circ.1164/Rev.22 - Promulgation of information related to reports of independent evaluation submitted by Parties to the 1978 STCW Convention, as amended, confirmed by the Maritime Safety Committee to have communicated information which demonstrates that Parties are giving full and complete effect to the relevant provisions of the Convention
6. MSC.1/Circ.797/Rev.34 - List of competent persons maintained by the Secretary-General pursuant to section A-I/7 of the STCW Code
7. MSC.1/Circ.1622 - Interim guidelines for the safety of ships using methyl/ethyl alcohol as fuel
8. MSC.1/Circ.1623 - Guidelines for the acceptance of alternative metallic materials for cryogenic service in ships carrying liquefied gases in bulk and ships using gases or other low-flashpoint fuels
9. MSC.1/Circ.1599/Rev.1 - Revised Interim guidelines on the application of high manganese austenitic steel for cryogenic service
10. MSC.1/Circ.1624 - Amendments to the Code of Safe Practice for Cargo Stowage and Securing (CSS Code)
11. MSC.1/Circ.1353/Rev.2 - Guidelines for the preparation of the Cargo Securing Manual
12. MSC.1/Circ.1625 - Amendments to the Code of Safe Practice for Ships Carrying Timber Deck Cargoes, 2011 (2011 TDC Code)
13. MSC.1/Circ.1626 - Unified interpretation of the IGC Code
14. MSC.1/Circ.1627 - Unified interpretation of the IMDG Code
15. PPR.1/Circ.9 - Revised carriage requirements for methyl acrylate and methyl methacrylate



16. MSC.1/Circ. 1572/Rev.1 - Unified interpretations of SOLAS chapters II-1 and XII, of the technical provisions for means of access for inspections (resolution MSC.158(78)) and of the Performance Standards for water level detectors on bulk carriers and single hold cargo ships other than bulk carriers (resolution MSC.188(79))
17. MSC.1/Circ.1628 - Interim Guidelines for the second generation intact stability criteria
18. MSC.1/Circ.1430/Rev.2 - Revised guidelines for the design and approval of fixed water-based fire-fighting systems for ro-ro spaces and special category spaces.
19. MSC.1/Circ.1629 - Revised standardized life-saving appliance evaluation and test report forms (personal life-saving appliances)
20. MSC.1/Circ.1630 - Revised standardized life-saving appliance evaluation and test report forms (visual signs)
21. MSC.1/Circ.1631 - Revised standardized life-saving appliance evaluation and test report forms (survival craft)
22. MSC.1/Circ.1632 - Revised standardized life-saving appliance evaluation and test report forms (rescue boats)
23. MSC.1/Circ.1633 - Revised standardized life-saving appliance evaluation and test report forms (launching and embarkation appliances)
24. MSC.1/Circ.1634 - Revised standardized life-saving appliance evaluation and test report forms (other life-saving appliances)
25. MSC.1/Circ.1635 - Unified interpretations of SOLAS chapter II-2
26. MSC.1/Circ.1318/Rev.1 - Revised guidelines for the maintenance and inspections of fixed carbon dioxide fire-extinguishing systems
27. COLREG.2/Circ.75 - Amended traffic separation schemes and associated measures
28. SN.1/Circ.339 - Routeing measures other than traffic separation schemes
29. SN.1/Circ.340 - Recognition of the Indian Regional Navigation Satellite System (IRNSS) as a component of the World-wide radionavigation system
30. MSC.1/Circ.1364/Rev.2 - International SafetyNET Services Manual
31. MSC.1/Circ.1636 - IMO Enhanced Group Call Coordinating Panel
32. SN.1/Circ.243/Rev.2/Corr.1 - Guidelines for the presentation of navigation-related symbols, terms and abbreviations
33. MSC.1/Circ.1637 - Industry recommended framework of protocols for ensuring safe ship crew changes and travel during the Coronavirus (COVID-19) pandemic
34. MSC.1/Circ.1638 - Unified interpretation of SOLAS regulation II-1/3-10 concerning the term "unforeseen delay in delivery of ships" during the Coronavirus (COVID-19) pandemic