



Technical Information

Code: **TI-20-04**

Date: **15.02.2020**

Iranian Classification Society

Subject: Drainage of fire-fighting water from enclosed vehicle and Ro-Ro spaces and special category spaces for Passenger and Cargo Ships

Amendments to MSC.1/Circ.1234 adopted on 31 October 2007 and resolution MSC.421 (98) (adopted on 15 June 2017, MSC.256 (84)), entered into force on 01.01.2020.

Application:

The requirement of this subject shall apply to ships constructed on or after 1 January 2020. Ships constructed on or after 1 July 2002 and before 1 January 2020 shall comply with the previously applicable requirements of SOLAS II-1/6.1.4, as amended by resolution MSC.91 (72).

Compliance Dates:

This amendments will be enter into force on or after 1 January 2020.

Descriptions & revised requirements for ships:

When fixed pressure water spraying systems are fitted for protection of vehicle, special category and ro-ro spaces, in view of the serious loss of stability which could arise due to large quantities of water accumulating on the deck or decks during the operation of the fixed pressure water-spraying system, the following arrangements shall be provided:

A) Arrangement requirements for passenger ships:

- In the spaces above the bulkhead deck, scuppers shall be fitted so as to ensure that such water is rapidly discharged directly overboard, taking into account the guidelines MSC.1/Circ.1320.
- In ro-ro passenger ships, discharge valves for scuppers, fitted with positive means of closing operable from a position above the bulkhead deck in accordance with the requirements of the International Convention on Load Lines in force, shall be kept open while the ships are at sea. And any operation of valves shall be recorded in the log-book.
- In the spaces below the bulkhead deck, the Administration may require pumping and drainage facilities to be provided additional to the requirements of regulation II-1/35-1. In such case, the drainage system shall be sized to remove no less than 125% of the combined capacity of both the water-spraying system pumps and the required number of fire hose nozzles, taking into account the guidelines MSC.1/Circ.1320. The drainage system valves shall be operable from outside the protected space at a position in the vicinity of the extinguishing system controls. Bilge wells shall be of sufficient holding capacity and shall be arranged at the side shell of the ship at a distance from each other of not more than 40 m in each watertight compartment;
- Means shall be provided to prevent the blockage of drainage arrangements, taking into account the guideline MSC.1/Circ.1320.

B) Arrangement requirements for cargo ships:

- The drainage and pumping arrangements shall be such as to prevent the build-up of free surfaces. In such case, the drainage system shall be sized to remove no less than 125% of the combined capacity of both the water-spraying system pumps and the required number of fire hose nozzles, taking into account the guideline MSC.1/Circ.1320. The drainage system valves shall be operable from outside the protected space at a position in the vicinity of the extinguishing system controls. Bilge wells shall be of sufficient holding capacity and shall be arranged at the side shell of the ship at a distance from each other of not more than 40 m in each watertight compartment. If this is not possible, the adverse effect upon stability of the added weight and free surface of water shall be taken into account to the extent deemed necessary by the Administration in its approval of the stability information. (Refer to the Recommendation on fixed fire-extinguishing for special category spaces adopted by the Organization by resolution A.123 (V) Such information shall be included in the stability information supplied to the master as required by regulation II-1/5-1.
- Means shall be provided to prevent the blockage of drainage arrangements, taking into account the guideline MSC.1/Circ.1320.

C) Arrangement requirements for passenger and cargo ships constructed before 1 January 2020:

- Means shall be provided to prevent the blockage of drainage arrangements, taking into account the guideline MSC.1/Circ.1320.
- Ships constructed before EIF date shall comply with the requirements of this paragraph by the first survey after 1st January 2020.

For any questions about this Technical Information, please contact:

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