

# **Guidelines for Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Special Category Spaces**

## **Amended Guidance**

Guidance for the Survey and Construction of Steel Ships Part R

## **Reason for Amendment**

Section 2.4 in Chapter 7 of the International Code for Fire Safety Systems (FSS Code) requires that fixed water-based fire-fighting systems for ro-ro spaces, vehicle spaces and special category spaces be approved by the Administration, and also specifies that reference is to be given to MSC.1/Circ.1430/Rev.1 as the specific guideline for such systems. These requirements have already been incorporated into the ClassNK Rules.

More specifically, MSC.1/Circ.1430/Rev.1 requires that such systems be of a prescriptive-based-design or a performance-based-design. However, it was pointed out at the IMO that some designs were not covered by the guidelines as originally intended because some of the wording and values used in provisions for prescriptive-based-design were unclear or otherwise unsuitable. For this reason, a proposal for amending MSC.1/Circ.1430/Rev.1 was discussed.

As a result, the draft amendment mentioned above was submitted to the 102nd session of the IMO Maritime Safety Committee (MSC102) held in November 2020 and approved as MSC.1/Circ.1430/Rev.2

Accordingly, relevant requirements were amended in order to refer to the approved MSC circular.

## **Outline of Amendment**

Updated relevant requirements so that they reference MSC.1/Circ.1430/Rev.2 as the specific guideline for fixed water-based fire-fighting systems.

“Guidance for the survey and construction of steel ships” has been partly amended as follows:

## **Part R            FIRE PROTECTION, DETECTION AND EXTINCTION**

### **R20    PROTECTION OF VEHICLE AND RO-RO SPACES**

#### **R20.5   Fire-extinction**

##### **R20.5.1   Fixed Fire-extinguishing Systems**

Sub-paragraph -3 has been amended as follows.

**3**     The wording “other fixed fire-extinguishing system” specified in **20.5.1-3, Part R of the Rules** means the system complying with the requirements of sections 1, 2, 3 and 5 of “*Revised Guidelines for the Design and Approval of Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Special Category Spaces*” (MSC.1/Circ.1430/Rev.~~1~~2).

### **R27    FIXED PRESSURE WATER-SPRAYING AND WATER-MIST FIRE-EXTINGUISHING SYSTEMS**

#### **R27.2   Engineering Specifications**

Paragraph R27.2.3 has been amended as follows.

##### **R27.2.3   Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Vehicle Spaces**

“Approved system” specified in **27.2.3, Part R of the Rules** means a system which complies with the requirements of “*Revised Guidelines for the Design and Approval of Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Special Category Spaces*” (MSC.1/Circ.1430/Rev.~~1~~2) and is approved by organizations authorized by the Administration or deemed appropriate by the Society.