

Amendment on 27 June 2024

Resolved by Technical Committee on 30 January 2024

Guidelines for Fixed Water-based Fire-fighting Systems

Object of Amendment

Guidance for the Survey and Construction of Steel Ships Part R

Reason for Amendment

As a technical guideline for fixed water-based fire-fighting systems installed in vehicle spaces, ro-ro spaces and special category spaces, the IMO issued MSC.1/Circ.1430/Rev.2 in December 2020, and this circular has already been incorporated into the NK Rules.

Subsequently, at the 8th Session of the Sub-Committee on Ship Systems and Equipment (SSE8) held in February 2022, the meaning of “free height” used as the height between decks within the protection range specified in the guidelines was unclear. At the 9th Session of Sub-Committee on Ship Systems and Equipment (SSE9) held in February 2023, it was confirmed that “free height” means the height from the deck to the ceiling of a protected area, and an amendment to the circular was approved to clarify the definition and to amend its wording.

The amendment was adopted as MSC.1/Circ.1430/Rev.3 at the 107th session of the IMO Maritime Safety Committee (MSC107) held in June 2023.

Accordingly, relevant requirements are amended based on MSC.1/Circ.1430/Rev.3.

Outline of Amendment

- (1) Amend relevant requirements to refer to MSC.1/Circ.1430/Rev.3 as the specific guidelines for fixed water-based fire-fighting systems installed in ro-ro spaces and special category spaces.
- (2) Amend the wording of requirements for drainage systems in ro-ro spaces where fixed pressure water-spraying system are installed.

Effective Date and Application

Effective date of this amendment is 27 June 2024.

ID: DX23-14

Amended-Original Requirements Comparison Table (Guidelines for Fixed Water-based Fire-fighting Systems)

Amended	Original	Remarks
<p align="center">RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p align="center">Part R FIRE PROTECTION, DETECTION AND EXTINCTION</p> <p align="center">R20 PROTECTION OF VEHICLE AND RO-RO SPACES</p> <p align="center">R20.5 Fire-extinction</p> <p>R20.5.1 Fixed Fire-extinguishing Systems 3 The wording “other fixed fire-extinguishing system” specified in 20.5.1-3, Part R of the Rules means <u>a</u> system complying with sections 1, 2, 3 and 5 of “<i>Revised Guidelines for the Design and Approval of Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Special Category Spaces</i>” (MSC.1/Circ.1430/Rev.3).</p> <p align="center">R27 FIXED PRESSURE WATER-SPRAYING AND WATER-MIST FIRE-EXTINGUISHING SYSTEMS</p> <p align="center">R27.2 Engineering Specifications</p> <p align="center">R27.2.3 Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Vehicle Spaces</p>	<p align="center">RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p align="center">Part R FIRE PROTECTION, DETECTION AND EXTINCTION</p> <p align="center">R20 PROTECTION OF VEHICLE AND RO-RO SPACES</p> <p align="center">R20.5 Fire-extinction</p> <p>R20.5.1 Fixed Fire-extinguishing Systems 3 The wording “other fixed fire-extinguishing system” specified in 20.5.1-3, Part R of the Rules means <u>the</u> system complying with <u>the requirements of</u> sections 1, 2, 3 and 5 of <u>the</u> “<i>Revised Guidelines for the Design and Approval of Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Special Category Spaces</i>” (MSC.1/Circ.1430/Rev.2).</p> <p align="center">R27 FIXED PRESSURE WATER-SPRAYING AND WATER-MIST FIRE-EXTINGUISHING SYSTEMS</p> <p align="center">R27.2 Engineering Specifications</p> <p align="center">R27.2.3 Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Vehicle Spaces</p>	

Amended-Original Requirements Comparison Table (Guidelines for Fixed Water-based Fire-fighting Systems)

Amended	Original	Remarks
<p>“Approved system” specified in 27.2.3, Part R of the Rules means a system which complies with the “<i>Revised Guidelines for the Design and Approval of Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Special Category Spaces</i>” (MSC.1/Circ.1430/Rev.3) and is approved by the Administration or deemed appropriate by the Society.</p> <p align="center">EFFECTIVE DATE AND APPLICATION</p> <p>1. The effective date of the amendments is 27 June 2024.</p>	<p>“Approved system” specified in 27.2.3, Part R of the Rules means a system which complies with the <u>requirements of</u> “<i>Revised Guidelines for the Design and Approval of Fixed Water-based Fire-fighting Systems for Ro-ro Spaces and Special Category Spaces</i>” (MSC.1/Circ.1430/Rev.2) and is approved <u>by organizations authorized</u> by the Administration or deemed appropriate by the Society.</p>	