

Review of Fire Safety Requirements for the Carriage of Dangerous Goods and Vehicles

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part R

Reason for Amendment

IACS UI SC 85 is the unified interpretation (UI) for ro-ro spaces including special category spaces and vehicle spaces required to comply with SOLAS Reg.II-2/19. This UI has already been incorporated into the NK Rules.

IACS, however, recently amended the UI to clarify the definitions of special category spaces and vehicle spaces, and this amended version was adopted as UI SC 85 (Rev.2) in May 2021. Accordingly, relevant requirements are amended in accordance with UI SC 85(Rev.2).

In addition to the above, the Society separately reviewed its fire safety requirements for the carriage of dangerous goods and vehicles specified in Part R of the NK Rules as a part of total reviewing of NK Rules. Accordingly, relevant requirements are amended to the revision of IMDG Code and clarify its requirements explaining the types of fire extinguishing appliances deemed appropriate by the Society.

Outline of Amendment

- (1) Specifies that “ro-ro spaces” includes special category spaces and vehicles spaces, and those definitions.
- (2) Deletes the IMDG Code requirement mentioned in the note for Table R19.3.2-1 and specifies that electrical equipment is to be of a type for use in the atmospheres present when dangerous goods which generate explosive dust and flammable gas are transported.
- (3) Clarifies the meaning of “water fog applicators deemed as appropriate by the Society” in R20, Part R of the Guidance for the Survey and Construction of Steel Ships.

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

Part R FIRE PROTECTION, DETECTION AND EXTINCTION

R19 CARRIAGE OF DANGEROUS GOODS

R19.2 General Requirements

R19.2.2 Application for Categories of Cargo Spaces

Sub-paragraph -3 has been amended as follows.

3 ~~For the application of~~ The wording “ro-ro spaces” specified in 19.2.2(4) or (5), Part R of the Rules, ~~vehicle spaces are considered as a ro-ro space as defined in 19.2.2(4) or (5), Part R of the Rules~~ includes the “special category spaces” specified in 3.2.46, Part R of the Rules and “vehicle spaces” specified in 3.2.49, Part R of the Rules.

R19.3 Special Requirements

R19.3.2 Sources of Ignition

Table R19.3.2-1 has been amended as follows.

Table R19.3.2-1 Hazardous Areas and Permitted Electrical Installations (Related to R19.3.2-1(1))

Hazardous areas		Permitted electrical installations
(a)	Enclosed or semi-enclosed cargo spaces, closed or open ro-ro spaces and closed or open vehicle spaces	(1) Electrical equipment of degree of protection: IP65, maximum surface temperature: 100 °C, and associated cables (2) Through run cables
(b)	Inert and exhaust ventilation ducts	
(c)	Permanently fixed magazines	

Note:

~~For some dangerous goods to be transported, 7.1.7.4.7.2 of IMDG Code is to be taken into consideration~~ Electrical equipment is to be a type for use in the atmospheres present when dangerous goods which generate explosive dust and flammable gas are transported.

R20 PROTECTION OF VEHICLE AND RO-RO SPACES

R20.5 Fire-extinction

R20.5.2 Portable Fire Extinguishers

Sub-paragraph -4 has been amended as follows.

4 The “water fog applicators deemed as appropriate by the Society” specified in **20.5.2-2(1)**, ~~Part R of the Rules are to be in accordance with R10.2.3-1~~ means ones that have passed inspections by organisations authorised by the Administration or that are otherwise deemed appropriate by the Society.