Amended Rules for the Classification of Steel Ships

(Part 8 Fire Protection and Fire Extinction)

Dec. 2019

KR

Effective Date : 1 January 2020

(1) Date of which are constructed

◉ Reflected amendments of IMO Res. MSC. 409(97), Res. MSC. 404(96), Res. MSC. 421(98)

Present	Amendment
CHAPTER 8 FIRE FIGHTING	**CHAPTER 8 FIRE FIGHTING**
Section 4 Fire Extinguishing Arrangements In Machinery Spaces	**Section 4 Fire Extinguishing Arrangements In Machinery Spaces**
401. Machinery spaces containing oil-fired boilers or oil fuel units [See Guidance]	**401. Machinery spaces containing oil-fired boilers or oil fuel units** [See Guidance]
1. <omitted>	**1. <omitted>**
2. Additional fire-extinguishing arrangements	**2. Additional fire-extinguishing arrangements**
(1) <omitted> (2) There shall be at least two portable foam extinguishers or equivalent in each firing space in each boiler room and in each space in which a part of the oil fuel installation is situated. There shall be not less than one approved foam-type extinguisher of at least 135 liters capacity or equivalent in each boiler room. These extinguishers shall be provided with hoses on reels suitable for reaching any part of the boiler room. In the case of domestic boilers of less than 175 kW an approved foam-type extinguisher of at least 135 liters capacity is not required.	(1) <omitted> (2) There shall be at least two portable foam extinguishers or equivalent in each firing space in each boiler room and in each space in which a part of the oil fuel installation is situated. There shall be not less than one approved foam-type extinguisher of at least 135 l capacity or equivalent in each boiler room. These extinguishers shall be provided with hoses on reels suitable for reaching any part of the boiler room. In the case of domestic boilers of less than 175 kW, or boilers protected by fixed water-based local application fire-extinguishing systems as required by **406.**, an approved foam-type extinguisher of at least 135 l capacity is not required. *(2020)*
CHAPTER 11 HELICOPTER FACILITIES	**CHAPTER 11 HELICOPTER FACILITIES**
Section 1 Application	**Section 1 Application**
101. Application	**101. Application**
1. ~ 2. <omitted>	**1. ~ 2.** <omitted>
3. <newly added>	**3.** Notwithstanding the requirements of **2** above, having a helicopter landing area, shall be provided with foam firefighting appliances which comply with the relevant provisions of chapter 17 of the Fire Safety Systems Code. *(2020)*
3. Notwithstanding the requirements of **2** above, ro-ro passenger ships without helidecks shall comply with the relevant regulation of the Convention.	**4.** Notwithstanding the requirements of **2** or **3** above, ro-ro passenger ships without helidecks shall comply with SOLAS III/28. *(2020)*

Present

Section 4 Fire-fighting Appliances

401. Fire-fighting appliances

In close proximity to the helideck, the following fire-fighting appliances shall be provided and stored near the means of access to that helideck:
【See Guidance】

1. ~ **2.** <omitted>

3. a suitable foam application system consisting of monitors or foam making branch pipes capable of delivering foam to all parts of the helideck in all weather conditions in which helicopters can operate. The system shall be capable of delivering a discharge rate as required in table for at least five minutes;

Category	Helicopter overall length	Discharge rate foam solution(L/min)
H1	up to but not including 15 m	250
H2	from 15 m up to but not including 24 m	500
H3	from 24 m up to but not including 35 m	800

4. the principal agent shall be suitable for use with salt water and conform to performance standards not inferior to those acceptable to the IMO Organization;

5. at least two nozzles of an approved dual-purpose type (jet/spray) and hoses sufficient to reach any part of the helideck;

3. <newly added>

6. ~ **7.** <omitted>

Amendment

Section 4 Fire-fighting Appliances

401. Fire-fighting appliances

In close proximity to the helideck, the following fire-fighting appliances shall be provided and stored near the means of access to that helideck:
【See Guidance】

1. ~ **2.** <omitted>

3. ~~a suitable foam application system consisting of monitors or foam making branch pipes capable of delivering foam to all parts of the helideck in all weather conditions in which helicopters can operate. The system shall be capable of delivering a discharge rate as required in table for at least five minutes;~~

~~Category~~	~~Helicopter overall length~~	~~Discharge rate foam solution(L/min)~~
~~H1~~	~~up to but not including 15 m~~	~~250~~
~~H2~~	~~from 15 m up to but not including 24 m~~	~~500~~
~~H3~~	~~from 24 m up to but not including 35 m~~	~~800~~

4. ~~the principal agent shall be suitable for use with salt water and conform to performance standards not inferior to those acceptable to the IMO Organization;~~

5. ~~at least two nozzles of an approved dual-purpose type (jet/spray) and hoses sufficient to reach any part of the helideck;~~

3. In case of having a helideck, foam firefighting appliances which comply with the provisions of the Fire Safety Systems Code. *(2020)*

4. ~ **5.** <same as present>

Present	Amendment
CHAPTER 13 PROTECTION OF VEHICLE, SPECIAL CATEGORY AND RO-RO SPACES	**CHAPTER 13 PROTECTION OF VEHICLE, SPECIAL CATEGORY AND RO-RO SPACES**
Section 1 General Requirements	**Section 1 General Requirements**
101. Application	**101. Application**
In addition, as appropriate, vehicle, special category and ro-ro spaces shall comply with the requirements of this regulation.	**1.** ~~In addition,~~ As appropriate, vehicle, special category and ro-ro spaces shall comply with the requirements of this Rules. **2.** On all ships, vehicles with fuel in their tanks for their own propulsion may be carried in cargo spaces other than vehicle, special category or ro-ro spaces, provided that all the following conditions are met: *(2020)* (1) the vehicles do not use their own propulsion within the cargo spaces; (2) the cargo spaces are in compliance with the appropriate requirements of regulation 19; and (3) the vehicles are carried in accordance with the IMDG Code, as defined in SOLAS VII/1.1."

Amended Guidances for the Classification of Steel Ships

(Part 8 Fire Protection and Fire Extinction)

Dec. 2019

KR

Effective date : 1 Jan. 2020

(1) Date of which are ships contracted for construction

◉ Reflected IACS UI SC 288 New

◉ Reflected the withdrawal of IACS UI SC 288 New

Present	Amendment
CHAPTER 12 CARRIAGE OF DANGEROUS GOODS	**CHAPTER 12 CARRIAGE OF DANGEROUS GOODS**
Section 2 Special Requirements	**Section 2 Special Requirements**
201. Special requirements	**201. Special requirements**
1. ~ 3. <omitted>	**1. ~ 3.** <same as the present>
4. Ventilation arrangement **[See Rule]**	**4. Ventilation arrangement** **[See Rule]**
(1) ~ (3) <omitted> (4) <newly added>	(1) ~ (3) <omitted> (4) The reduced air changes per hour as per Note 1 of Table 8.12.1 apply equally to the ventilation air change requirements in **201. 4** (1) and in **201. 5** (4) of the Rules, when the bilge pump is located directly inside a container cargo space. In such a case, where several container cargo spaces are served by the same bilge pump, the bilge pump is to be installed in the container cargo space with the highest ventilation rate, compared to the other container cargo spaces. *(2020)*

Present	Amendment
Annex 8-5 Inert Gas Systems	**Annex 8-5 Inert Gas Systems**
2. General requirements	**2. General requirements**
(1) ~ (9) <omitted>	(1) ~ (9) <omitted>
(10) Inert gas lines	(10) Inert gas lines
(A)~ (C) <omitted>	(A)~ (C) <same as the present>
(a) ~ (b) <omitted>	(a) ~ (b) <same as the present>
(c) equivalent arrangements to the satisfaction of the Administration, providing at least the same level of protection. The following is considered as an equivalent arrangement. (See also **Fig 8-5.1** of the Guidance) (2019)	~~(c) equivalent arrangements to the satisfaction of the Administration, providing at least the same level of protection. The following is considered as an equivalent arrangement. (See also **Fig 8-5.1** of the Guidance) *(2019)*~~
(i) Two shut off valves in series with an arrangement to vent the space between the valves in a safe manner; or	~~(i) Two shut off valves in series with an arrangement to vent the space between the valves in a safe manner; or~~
(ii) A shut-off valve and a spectacle flange with an arrangement to vent the space between the valve and the spectacle flange in a safe manner; or	~~(ii) A shut-off valve and a spectacle flange with an arrangement to vent the space between the valve and the spectacle flange in a safe manner; or~~
(iii) The use of metallic flexible hoses is considered as equivalent to a spool piece referred to in (a), but in both cases a valve on the inert gas main side and a valve or a blank flange on the cargo tank side are to be fitted.	~~(iii) The use of metallic flexible hoses is considered as equivalent to a spool piece referred to in (a), but in both cases a valve on the inert gas main side and a valve or a blank flange on the cargo tank side are to be fitted.~~
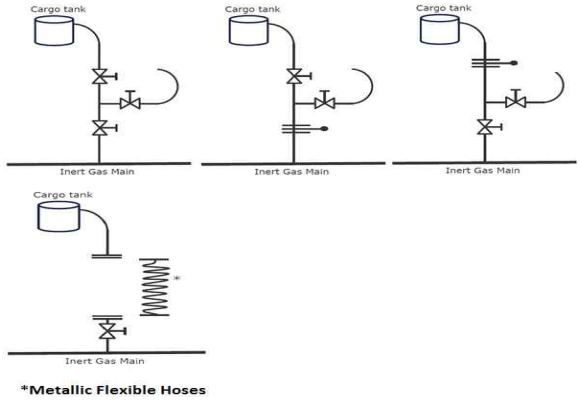	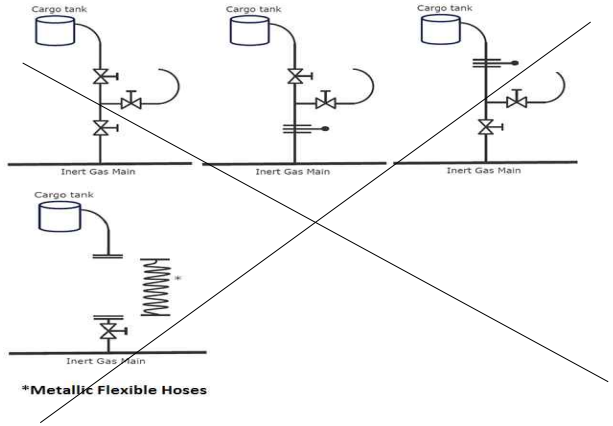
Fig 8-5.1	**Fig 8-5.1**