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# **RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS**

**Part PS** **Floating Offshore Facilities for Crude Oil/  
Petroleum Gas Production, Storage and  
Offloading**

**RULES**

**2020 AMENDMENT NO.1**

Rule No.47 30 June 2020

Resolved by Technical Committee on 22 January 2020

An asterisk (\*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

Rule No.47 30 June 2020

AMENDMENT TO THE RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

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

**Part PS FLOATING OFFSHORE FACILITIES FOR CRUDE OIL/PETROLEUM GAS PRODUCTION, STORAGE AND OFFLOADING**

**Chapter 6 FIRE PROTECTION, DETECTION AND EXTINCTION**

**6.3 Construction for Fire Protection**

**6.3.3 Fire Integrity of Bulkheads and Decks**

Sub-paragraph -4 has been amended as follows.

4 The required division of steel between control stations and open decks may, in the case of emergency generators, be provided with openings for the intake of combustion air to ~~diesel~~ reciprocating internal combustion engines and for intake of cooling air in the case of air cooled diesel engines. These openings need not be fitted with means for closure for fire integrity purposes, unless a fixed gas fire fighting system for emergency generator spaces is fitted.

Title of Paragraph 6.4.4 has been amended as follows.

**6.4.4 Fire-extinguishing Arrangements in Engine and Boiler Rooms in cases where Boilers, Turbines and ~~Diesel~~ Reciprocating Internal Combustion Engines are Fuelled by Crude Oil or Gas**

## Chapter 7 MACHINERY INSTALLATIONS

### 7.1 General

#### 7.1.2 General

Sub-paragraphs -1(9) and (46) have been amended as follows.

1 With respect to machinery installations other than those used solely for the specific operation which is the purpose of the Floating Offshore Facility (the processing of crude oil, etc. extracted from seabeds.), relevant requirements given in **Part D** listed in the following (1) to (46) as well as the requirements given in this Chapter are to be applied. (The terms “cargo” and “cargo oil” are to be construed as “crude oil”, “carry” and “transport” are to be construed as “process/store”, “ship” and “tanker” are to be construed as “Floating Offshore Facility”.)

((1) to (8) are omitted.)

(9) **Chapter 2, Part D ~~Diesel~~ Reciprocating Internal Combustion Engines**

((10) to (45) are omitted.)

(46) **Chapter ~~2124~~, Part D Spare Parts, Tools and Instruments**

Sub-paragraphs -2(9) to (13) have been amended as follows.

2 With respect to machinery installations used solely for a specific operation which is the purpose of the Floating Offshore Facility (the processing of crude oil, etc. extracted from seabeds.), relevant requirements given in **Part D** listed in the following (1) to (25) as well as the requirements given in 7.1.3 and 7.1.4 are to be applied. (The terms “cargo” and “cargo oil” are to be construed as “crude oil”, “carry” and “transport” are to be construed as “process/store”, “ship” and “tanker” are to be construed as “Floating Offshore Facility”.)

((1) to (8) are omitted.)

(9) **2.2.2-4, Part D ~~Diesel~~ Reciprocating Internal Combustion Engines - Materials, Construction and Strength - Construction, Installation and General**

(10) **2.2.2-5, Part D ~~Diesel~~ Reciprocating Internal Combustion Engines - Materials, Construction and Strength - Construction, Installation and General**

(11) **2.2.2-6, Part D ~~Diesel~~ Reciprocating Internal Combustion Engines - Materials, Construction and Strength - Construction, Installation and General**

(12) **2.4, Part D ~~Diesel~~ Reciprocating Internal Combustion Engines - Safety Devices**

(13) **2.5.4, Part D ~~Diesel~~ Reciprocating Internal Combustion Engines - Associated Installations - Fuel Oil Arrangements**

((14) to (25) are omitted.)

Title of Section 7.2 has been amended as follows.

### 7.2 **Dual Fuel ~~Diesel~~ Reciprocating Internal Combustion Engines**

Paragraph 7.2.1 has been amended as follows.

#### 7.2.1 General

The construction and installation of dual fuel ~~diesel~~ reciprocating internal combustion engines are to comply with relevant requirements given in this Chapter as well as the requirements given in **Chapter 16, Part N**.

Title of Section 7.4 has been amended as follows.

## **7.4 Crude Oil Burning Boilers and ~~Diesel~~ Reciprocating Internal Combustion Engines**

Paragraph 7.4.1 has been amended as follows.

### **7.4.1 Application**

Boilers and ~~diesel~~ reciprocating internal combustion engines using fuel oils, crude oils or slop oils with flash points not exceeding 43°C as fuel (hereinafter referred to as “fuel oil”) are to comply with the requirements given in this Paragraph in addition to any other relevant requirements given in this Chapter. However, special consideration will be given to crude oil burning ~~diesel~~ reciprocating internal combustion engines.

## **7.6 Emergency Shutdown (ESD) Systems**

### **7.6.1 General**

Sub-paragraph -1(4) has been amended as follows.

**1** In view of the special conditions where the risk of explosions may accidentally extend outside hazardous areas, ESDs are to be provided to facilitate the selective manual disconnection or shutdown of the facilities listed in the following **(1)** to **(4)**:

((1) to (3) are omitted.)

**(4)** All essential electrical equipment (except explosion-proof equipment such as emergency lights, general alarms, etc. which have to operate during special conditions) including battery supplied equipment and ~~generator~~ prime movers driving generator ~~except explosion-proof equipment such as emergency lights, general alarms, etc. which have to operate during special conditions~~.

### **EFFECTIVE DATE AND APPLICATION**

- 1.** The effective date of the amendments is 1 July 2020.
- 2.** Notwithstanding the amendments to the Rules, the current requirements apply to ships for which the date of contract for construction is before the effective date.

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# **GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS**

## **Part PS Floating Offshore Facilities for Crude Oil/ Petroleum Gas Production, Storage and Offloading**

**GUIDANCE**

**2020 AMENDMENT NO.1**

Notice No.26      30 June 2020

Resolved by Technical Committee on 22 January 2020

Notice No.26 30 June 2020

AMENDMENT TO 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 PS FLOATING OFFSHORE FACILITIES FOR CRUDE OIL/PETROLEUM GAS PRODUCTION, STORAGE AND OFFLOADING**

Amendment 1-1

**PS7 MACHINERY INSTALLATIONS**

Title of PS7.4 has been amended as follows.

**PS7.4 Crude Oil Burning Boilers and ~~Diesel~~ Reciprocating Internal Combustion Engines**

EFFECTIVE DATE AND APPLICATION (Amendment 1-1)

1. The effective date of the amendments is 1 July 2020.
2. Notwithstanding the amendments to the Guidance, the current requirements apply to reciprocating internal combustion engines for which the application for approval is submitted to the Society before the effective date.

## PS8 ELECTRICAL INSTALLATIONS

### PS8.3 Emergency Source of Electrical Power

#### PS8.3.1 General

Sub-paragraph -1(2) has been amended as follows.

1 With respect to the application of **8.3.1-5, Part PS of the Rules**, in cases where emergency generators are used to supply ship mains, such emergency generators and their associated equipment are to comply with the following requirements:

((1) is omitted.)

(2) ~~Diesel Prime-movers~~ Reciprocating internal combustion engines driving emergency generators are to be equipped with the devices for alarms and automatic trips specified in **18.5.2, Part D of the Rules** (excluding (2) and (5) where local control stations are not unattended).

((3) to (7) are omitted.)

#### EFFECTIVE DATE AND APPLICATION (Amendment 1-2)

1. The effective date of the amendments is 1 July 2020.
2. Notwithstanding the amendments to the Guidance, the current requirements apply to ships for which the date of contract for construction is before the effective date.