
RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

RULES

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

2019 AMENDMENT NO.1

Rule No.103 27 December 2019

Resolved by Technical Committee on 22 July 2019

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

“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

Amendment 1-1

Chapter 6 FIRE PROTECTION, DETECTION AND EXTINCTION

6.4 Fire Detection and Extinction

6.4.5 Fire Extinguishing Systems, Drainage Systems, etc. of Helicopter Facilities

Sub-paragraphs -1 and -2 have been amended as follows.

1 Fire extinguishing system of helicopter decks

The following fire extinguishing systems are to be provided and stored in close proximity to helicopter decks:

((1) and (2) are omitted.)

(3) Foam application systems complying with the following requirements:

(a) In the case of ~~helicopter landing decks~~ helidecks, such systems are to be capable of delivering foam to all parts of the helicopter deck in all weather conditions in which helicopters can operate and capable of delivering a discharge rate as required in **Table PS6.3** for at least 5 *minutes*.

(b) In the case of winching ~~helicopter decks~~ areas, such systems are to be capable of delivering foam at a rate of not less than 120 *l/min* for circular areas at least 5 *m* in diameter for at least 5 *minutes*.

(4) At least two nozzles complying with the requirements given in **10.2.3, Part R** and being sufficient to reach any part of the helicopter deck;

(5) In lieu of the above (3)(a) and (4), on units constructed on or after 1 January 2020, foam firefighting appliances complying with Chapter 37, Part R;

~~(5)~~ In addition to those required by **10.10, Part R**, two sets of fireman-fighter's outfits; and

~~(6)~~ At least the following equipment, stored in a manner that allows immediate use and provides protection from the elements:

((a) to (j) are omitted.)

2 Drainage facilities of ~~helicopter landing decks~~ helidecks

Drainage facilities in way of the ~~helicopter landing decks~~ helidecks are to be constructed of steel and lead directly overboard independent of any other system and designed so that drainage does not fall on to any part of the Floating Offshore Facility (excluding drain pipes that lead directly overboard from exposed decks).

(-3 is omitted.)

Chapter 7 MACHINERY INSTALLATIONS

7.6 Emergency Shutdown (ESD) Systems

7.6.1 General

Sub-paragraph -2 has been amended as follows.

2 Manual emergency shutdown equipment is to be installed in the following locations:

- (1) Control stations
- (2) Strategically positioned stations located around the installation (e.g. escape routes, ~~helicopter decks, etc.~~ helidecks)

EFFECTIVE DATE AND APPLICATION (Amendment 1-1)

- 1.** The effective date of the amendments is 1 January 2020.
- 2.** Notwithstanding the amendments to the Rules, the current requirements apply to ships the keels of which were laid or which were at *a similar stage of construction* before the effective date.
(Note) The term “*a similar stage of construction*” means the stage at which the construction identifiable with a specific ship begins and the assembly of that ship has commenced comprising at least 50 tonnes or 1% of the estimated mass of all structural material, whichever is the less.

Chapter 8 ELECTRICAL INSTALLATIONS

8.3 Emergency Source of Electrical Power

8.3.2 Capacity of Emergency Sources of Electrical Power

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

1 Emergency sources of electrical power are to be capable of simultaneously supplying the services listed in the following (1) to (8) for the period specified hereinafter if they depend upon electrical power sources for operation.

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

(4) For a period of 24 *hours*, the following services unless such services have independent power supplies for a period of 24 *hours* from accumulator batteries suitably located for use in an emergency.

((a) is omitted.)

(b) ~~VHF radio installations, MF radio installations, INMARSAT ship earth stations and MF/HF radio~~ Installations listed in the following i) to iv) as required by international conventions and the national regulations of coastal states and installed in Floating Offshore Facilities. However, in cases where those radio installations are installed in duplicate, it is not necessary to consider whether duplicated installations can be simultaneously operated in determining the capacity of an emergency source of electrical power.

i) VHF radio installations

ii) MF radio installations

iii) Recognized mobile satellite service ship earth stations

iv) MF/HF radio installations

((c) and (d) are omitted.)

((5) to (8) are omitted.)

EFFECTIVE DATE AND APPLICATION (Amendment 1-2)

1. The effective date of the amendments is 1 January 2020.