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

**RULES**

**Part S**

**Ships Carrying Dangerous Chemicals  
in Bulk**

**2019          AMENDMENT NO.2**

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.

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 S SHIPS CARRYING DANGEROUS CHEMICALS IN BULK**

**Chapter 11 FIRE PROTECTION AND FIRE EXTINCTION**

**11.1 General (With reference to IBC Code 11.1)**

Paragraph 11.1.1 has been amended as follows.

**11.1.1 Application\***

1 The requirements for tankers in **Part R** and corresponding requirements in **Part D** are to apply to ships covered by this Part, irrespective of tonnage including ships of less than 500 *gross tonnes*, except those specified in (1) to (8) below. ~~Where alternative and supplementary arrangements are provided to the satisfaction of the Society, the requirements in Part R need not apply to ships covered by this Part.~~

- (1) 1.1.1 (except 1.1.1-2), 10.8, 10.9 and Chapter 21, Part R and 14.4, Part D are not to apply;
- (2) 4.5.1-2, Part R i.e. the requirements for location of the main cargo control station need not apply;
- (3) 10.2, 10.4 and 10.5 (except 10.5.5), Part R are to apply, ~~regarding the ships to be tankers as they would apply to cargo ships~~ of 2,000 ~~tons~~ *gross tonnage* and over;
- (~~3~~4) 10.5.5, Part R is to apply to ships of 2,000 ~~tons~~ *gross tonnage* and over; ;
- (5) 11.3 is to apply in lieu of 10.8, Part R;
- (~~4~~6) 11.2 is to apply in lieu of 10.9, Part R;
- (~~6~~7) 4.5.10, Part R is to apply to ships of 500 ~~tons~~ *gross tonnage* and over, replacing “hydrocarbon gases” by “flammable vapours” in 4.5.10, Part R; and
- (~~7~~8) 13.3.3 and 13.4.7, Part R are to apply to ships of 500 ~~tons~~ *gross tonnage* and over; ~~and~~.

2 ~~Where alternative and supplementary arrangements are provided to the satisfaction of the Society, the requirements in Part R need not apply to ships covered by this Part.~~

**EFFECTIVE DATE AND APPLICATION**

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.

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

**Part S**

**Ships Carrying Dangerous Chemicals  
in Bulk**

**GUIDANCE**

**2019 AMENDMENT NO.2**

Notice No.70      27 December 2019

Resolved by Technical Committee on 22 July 2019

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 S SHIPS CARRYING DANGEROUS CHEMICALS IN BULK**

**Amendment 2-1**

**S2 SHIP SURVIVAL CAPABILITY AND LOCATION OF CARGO TANKS**

**S2.7 Flooding Assumptions**

**S2.7.8 Buoyancy of Superstructure**

Sub-paragraph -2 has been amended as follows.

**2** In **2.7.8(2), Part S of the Rules**, the remotely operated sliding watertight doors are to satisfy the requirements of 13.13.3, Part C of the Rules, unless otherwise specified in this chapter and to be capable of being controlled from a safe and readily accessible place. Weathertight openings submerge in water under the minimum range of residual stability are to be capable of closing securely in a state of equilibrium.

**S2.9 Survival Requirements**

Paragraph S2.9.2 has been amended as follows.

**S2.9.2 Stability Criteria at Any Stage of Flooding**

**1** The “watertight sliding doors” referred to in **2.9.2(1), Part S of the Rules** means such doors satisfying the requirements of 13.13.3, Part C of the Rules, unless otherwise specified in this chapter.

**2** The words “to the satisfaction of the Society” in **2.9.2(3) in Part S of the Rules** mean as follows:

In ordinary cases, the final stage of flooding is considered most severe, but the most severe condition may be encountered during intermediate stages of flooding involving replacement of sea water in the damaged space. In this connection, stability during such intermediate stages of flooding are to be considered when specifically requested by the Society.

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

1. The effective date of the amendments is 1 January 2020.
2. Notwithstanding the amendments to the Guidance, the current requirements apply to ships other than ships that fall under the following:
  - (1) for which the contract for construction\* is placed on or after the effective date; or
  - (2) in the absence of a contract for construction, the keels of which are laid or which are at *a similar stage of construction* on or after 1 July 2020; or(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.
  - (3) the delivery of which is on or after 1 January 2024.

\* “contract for construction” is defined in the latest version of IACS Procedural Requirement (PR) No.29.

### IACS PR No.29 (Rev.0, July 2009)

1. The date of “contract for construction” of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of class to a newbuilding.
2. The date of “contract for construction” of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder. For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a “series of vessels” if they are built to the same approved plans for classification purposes. However, vessels within a series may have design alterations from the original design provided:
  - (1) such alterations do not affect matters related to classification, or
  - (2) If the alterations are subject to classification requirements, these alterations are to comply with the classification requirements in effect on the date on which the alterations are contracted between the prospective owner and the shipbuilder or, in the absence of the alteration contract, comply with the classification requirements in effect on the date on which the alterations are submitted to the Society for approval.The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.
3. If a contract for construction is later amended to include additional vessels or additional options, the date of “contract for construction” for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a “new contract” to which 1. and 2. above apply.
4. If a contract for construction is amended to change the ship type, the date of “contract for construction” of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.

#### Note:

This Procedural Requirement applies from 1 July 2009.

## **S11 FIRE PROTECTION AND FIRE EXTINCTION**

### **S11.1 General**

#### **S11.1.1 Application**

Sub-paragraph -1 has been amended as follows.

**1** Even in cases where the “alternative and supplementary arrangements” referred to in **11.1.1-2, Part S of the Rules** are provided, **4.5.1-8, Part R of the Rules** applies to the oil tankers defined in **2.1.1(6), Part 1 of the Rules for Marine Pollution Prevention Systems**.

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

- 1.** The effective date of the amendments is 1 January 2020.
- 2.** Notwithstanding the amendments to the Guidance, 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.