

# SECTION 1 APPLICATION

## 1 General

### 1.1 Structural requirements

**1.1.1** The wording yacht currently used in the present Rules covers both service notations **yacht** and **charter yacht**, except otherwise indicated in the relevant chapters.

**1.1.2** The present Part B of the Rules contains the requirements for determination of the minimum hull scantlings and for the intact and damage stability, applicable to all types of yachts as specified in Pt A, Ch 1, Sec 1, [1.1].

**1.1.3** Yachts whose hull materials are different than those given in [1.1.2] and ships with novel features or unusual hull design are to be individually considered by the Society, on the basis of the principles and criteria adopted in the Rules.

**1.1.4** The strength of yachts constructed and maintained according to the Rules is sufficient for the draught corresponding to the full load draught. The full load draught considered when applying the Rules is to be not less than that corresponding to the assigned intact ship deepest full load waterline.

**1.1.5** Where scantlings are obtained from direct calculation procedures which are different from those specified in Part B, Chapter 8 and Part B, Chapter 9, adequate supporting documentation is to be submitted to the Society as detailed in Ch 1, Sec 3.

### 1.2 Limits of application to lifting appliances

**1.2.1** The fixed parts of lifting appliances, considered as an integral part of the hull, are the structures permanently connected by welding or by laminating, depending on hull material, to the ship's hull (for instance crane pedestals, masts, king posts, derrick heel seatings, etc., excluding cranes, derrick booms, ropes, rigging accessories, and, generally, any dismantable parts).

**1.2.2** The fixed parts of lifting appliances and their connections to the ship's structure are covered by the Rules.

## 2 Rule application

### 2.1 Materials

#### 2.1.1 General

For the purpose of application of the Rules, the yachts are considered as built in following materials:

- steel (ordinary or high tensile)
- aluminium alloys
- composites
- wood (strip planking only).

Yachts built in traditional wooden construction will be specifically considered, on a case by case basis.

#### 2.1.2 Fire protection

Attention is drawn to the selection of building materials which is not only to be determined from strength consideration, but should also give consideration to structural fire protection and associated class requirements (or Flag Administration requirements, where applicable).

### 2.2 Rules applicable to various ship parts

**2.2.1** The various Chapters and Sections of this present Part B are to be applied for the general arrangement and scantling of ship parts according to Tab 1.

### 2.3 Rules applicable to other ship items

**2.3.1** The various Chapters and Sections of this present Part B are to be applied for the general arrangement and scantling of other ship items according to Tab 2.

**Table 1 : Part B Rules requirements applicable for the general arrangement and scantling of ship parts**

Parts	Applicable Chapters and Sections
	General
General arrangement	Part B, Chapter 2
Stability	Part B, Chapter 3
Design loads and stresses	Part B, Chapter 4 Part B, Chapter 5 Part B, Chapter 6 Part B, Chapter 7
Scantlings	Part B, Chapter 8 Part B, Chapter 9
Materials	Part B, Chapter 11 Part B, Chapter 12

### 3 Rounding off of scantlings

#### 3.1

##### 3.1.1 Plate thicknesses on metallic hulls

The rounding off of plate thicknesses on metallic hulls is to be obtained from the following procedure:

- a) the thickness is calculated in accordance with the rule requirements
- b) the rounded thickness is taken equal to the value rounded off to the nearest half-millimeter.

##### 3.1.2 Stiffener section moduli on metallic hulls

Stiffener section moduli as calculated in accordance with the rule requirements are to be rounded off to the nearest standard value; however, no reduction may exceed 3%.

**Table 2 : Part B Rules requirements applicable for the general arrangement and scantling of other items**

Items	Applicable Chapters and Sections
Anchors and chain cables	Ch 10, Sec 1
Rudders	Ch 10, Sec 2
Windows and sidescuttles	Ch 10, Sec 3
Shaft brackets	Ch 10, Sec 4
Independent tanks	Ch 10, Sec 5
Chain plates	Ch 10, Sec 6
Solid keel for sailing yachts	Ch 10, Sec 7