

## SECTION 3

## SURVEYS

### 1 Principles of surveys

#### 1.1 General

**1.1.1** Ships complying with the requirements of this Rule are to comply with the survey requirements indicated in Part A of the Rules for Steel Ships.

Ships constructed with hull material other than steel are also to comply with the additional requirements indicated in [2] and [3].

Ships assigned with the service notation **yacht** are not submitted to annual surveys for hull and machinery.

### 2 Class renewal survey

#### 2.1 General

**2.1.1** The class renewal survey of ships complying with the requirements of this Rule may be carried out according to the normal survey system (SS) or to the continuous survey system (CS) or to the planned maintenance survey system (for machinery) as indicated in Part A, Ch 2, Sec 2, [4] of the Rules for Steel Ships.

#### 2.2 Ships with additional service feature C

**2.2.1** An external examination of the coating condition is to be carried out. This examination is to be directed at discovering significant alteration of the coating or contact damages.

#### 2.3 Ships with additional service feature W

**2.3.1** For ships built with laminate wood and provided with sheathing or coating, an external examination of the protection of edges against water ingress is to be carried out.

For ships built with plank seams and butts, the condition of plank seams, butts and caulking is to be externally examined and renewal is to be carried out as found necessary by the Surveyor.

Where applicable, the timber of the main structural items is to be tapped specially in place where ventilation is poor.

When traces of worm or rot are found, the damaged pieces are to be adzed to sound wood or renewed as found necessary by the Surveyor.

#### 2.4 Ships with additional service feature A

**2.4.1** Highly stressed areas are to be externally examined and dye penetrant checks are to be carried out, as found necessary by the Surveyor.

Thickness measurements are to be carried out, in areas where chaffing or corrosion may have developed, as found necessary by the Surveyor.

### 3 Bottom survey

#### 3.1 Ships with additional service feature W

**3.1.1** The seams and butts of the garboard and bilges at midship, the keel scarphs and rabbets are to be examined. The same applies to caulking of the underwater parts specially butts and rabbets. The Surveyor may require caulking to be renewed or the hull to be recaulked as found necessary.

For hulls built with planks, a particular attention is to be given to the tightness of the junctions between planks.

The condition of the bolting and fastening and, in general, of metal parts, is to be examined.

If decay or rot is found or if the wood is worn, it is to be renewed as found necessary by the Surveyor.

Where the planking is sheathed with composite material, such as fibre reinforced plastic, the edges of planks are to be examined as found necessary by the Surveyor, in order to ascertain that no ingress of water has occurred along them.

#### 3.2 Ships with additional service feature A

**3.2.1** The appendages of the hull (hydrofoils, hydrofoil supports, skirt fixations, shaft brackets, as applicable) are to be examined as found necessary by the Surveyor, with particular attention to their fixation to the hull and to the surrounding area specially where deterioration of the hull protection is found.