

SECTION 3

DOCUMENTATION TO BE SUBMITTED

1 Documentation to be submitted

1.1 Yachts surveyed by the Society during the construction

1.1.1 Plans and documents to be submitted for approval

The plans and documents to be submitted to the Society for approval are listed in Tab 1.

These plans and documents are to be supplemented by further documentation which depends on the service notation and, possibly, the additional class notation (see Pt A, Ch 1, Sec 2) assigned to the ship.

Structural plans are to show details of connections of the various parts of the hull and, in general, are to specify the materials used, including their manufacturing processes, welded procedures and heat treatments (See Part B, Chapter 11 for steel and aluminium hull or Ch 12, Sec 1 for composite hull).

1.1.2 Plans and documents to be submitted for information

In addition to those in [1.1.1], the following plans and documents are to be submitted to the Society for information:

- general arrangement
- lines plan
- hydrostatic curves

- lightweight distribution.

In addition, when direct calculation analyses are carried out by the Designer according to the rule requirements, they are to be submitted to the Society.

1.2 Yachts for which the Society acts on behalf of the relevant Administration

1.2.1 Plans and documents to be submitted for approval

The plans and documents required by the National Regulations requirements are to be submitted to the Society for approval, in addition to those in [1.1].

The list of drawings and documents to be submitted is to be finalized at the beginning of the design review process, depending on Administration requirements.

1.3 Special case of yachts reviewed for E.C. certification

1.3.1 The plans and documents to be submitted to the Society for approval according to Pt A, Ch 1, Sec 4 within the scope of EC certification, are listed in relevant Bureau Veritas documents (e.g. ND 316 R2/DT1/MCE for stability, buoyancy and freeboard and ND 317 R2/DT1/MCE for machinery and installation).

Table 1 : Plans and documents to be submitted for approval for all yachts

Plan or document	Containing also information on
Midship section and/or transverse sections Shell expansion Decks and profiles Double bottom Pillar arrangements Framing plan	Class characteristics Main dimensions Minimum ballast draught Frame spacing Contractual service speed Design loads on decks Steel grades and/or aluminium type or information as given in Ch 12, Sec 1 for composite structures Location and height of air vent outlets of various compartments Corrosion protection Openings in decks and shell and relevant compensations Details of structural reinforcements and/or discontinuities Bilge keel with details of connections to hull structures
Watertight subdivision bulkheads Inner watertight doors	Openings and their closing appliances, if any
Fore part structure Aft part structure	
(1) Where other steering or propulsion systems are adopted (e.g. steering nozzles or azimuth propulsion systems), the plans showing the relevant arrangement and structural scantlings are to be submitted.	

Plan or document	Containing also information on
Transverse thruster, if any, general arrangement, tunnel structure, connections of thruster with tunnel and hull structures	
Foundations of propulsion machinery, generators...	Type, power and r.p.m. of propulsion machinery Mass and centre of gravity of machinery, generators ...
Superstructures and deckhouses	
Transom doors, if any, side doors and other openings in the side shell Plan of outer doors Deck covers, if any	Closing appliances Design loads on deck covers
Windows and side scuttles, arrangements and details	Scantling and mechanical characteristics of glazing
Scuppers and sanitary discharges	
Bulwarks and freeing ports	Arrangement and dimensions of bulwarks and freeing ports on the freeboard deck ^(m) and superstructure deck
Helicopter decks, if any	General arrangement Main structure Characteristics of helicopters: maximum mass , distance between axles of wheels or skids, print area of wheels or skids, rotor diameter
Rudder and rudder horn (1)	Maximum ahead service speed (motor propulsion and wind propulsion for sailing yachts)
Sternframe or sternpost, sterntube Propeller shaft boss and brackets (1)	
Sea chests, stabiliser recesses, etc.	
Hawse pipes	
Plan of manholes	
Plan of access to and escape from spaces	
Plan of ventilation	Use of spaces
Plan of independent liquid tank and/or capacities	Location and height of air vent outlets of the various compartments
Plan of watertight doors and scheme of relevant manoeuvring devices	Manoeuvring devices Electrical diagrams of power control and position indication circuits
Freeboard calculations, if applicable	
Stability documentation	See Ch 3, Sec 1, [2.1]
Calculations relevant to intact stability and damage stability	See Ch 3, Sec 2 and Ch 3, Sec 3
Equipment number calculation	Geometrical elements for calculation List of equipment Construction and breaking load of steel wires Material, construction, breaking load and relevant elongation of synthetic ropes
Solid keel	Weight and centre of gravity Details of the connection between the hull and the solid keel Mechanical characteristics of the materials used
For sailing yachts: Chainplates Pillar under mast	Forces applied by the rigging and the mast Forces and reinforcements in way of winches Mechanical characteristics of the materials used for chainplates Details of connections with the hull structure
(1) Where other steering or propulsion systems are adopted (e.g. steering nozzles or azimuth propulsion systems), the plans showing the relevant arrangement and structural scantlings are to be submitted.	