

Main changes in NR500

Rules for the Classification and the Certification of Yachts

Main changes in Bureau Veritas Rules for the Classification and the Certification of Yachts, November 2022 edition, regarding the previous edition (June 2021) are described as follows.

Rules history

November 2022 edition into force on November 1, 2022 Contents	Previous edition: June 2021 into force on June 1, 2021 Contents
Rules for the Classification and the Certification of yachts [NR 500 DT R03 November 2022]	Rules for the Classification and the Certification of yachts [NR 500 DT R02 June 2021]

General changes

Topic	Description
Combined fabrics	Update references to BV Rules NR467 and NR216
HDPE	Introduction of scantling criteria for yachts built in high density polyethylene

Part B, Hull and Stability

Chapter 1 General

Topic	Description	Reference
General principle	New version of the general principle considered for the structure assessment	Sec 1, [1]
Wave characteristics	Requirement re-worded	Sec 2, [2.12.1]

Chapter 3 Stability

Topic	Description	Reference
Wind heeling lever	Correction of the lambda formula	Sec 2, [3.2.4]

Chapter 5 Structure design and scantling for steel and aluminium

Topic	Description	Reference
Steel for hull structure	Requirement re-worded	Sec 1, [3]
Cofferdam arrangement	New requirements for cofferdam arrangements	Sec 2, [7.2]
Helicopter deck and platform	New note about standards considered	Sec 2, [8.8.1]
Overall combined stresses	New combined stresses for primary structure element of transverse cross beam of catamaran in way of mainsail track in the case of rig load	Sec 4, Tab 1
Web buckling stress	New definition of hw	Sec10, [2.3.4] and [2.4.4]

Chapter 6 Structure design and scantling requirements for composite, plywood and HDPE

Topic	Description	Reference
HDPE	General requirements and scantling criteria for HDPE structure	Ch 6
Cofferdam	Requirements for cofferdam arrangements	Sec 2, [5]
Lifting appliances	Updating the information to be submitted and hull reinforcement scantling criteria	Sec 2, [7.7.3] and [7.7.3]
Helicopter deck and platform	New note about standards considered	Sec 2, [7.8]

Chapter 7 Hull outfittings

Topic	Description	Reference
Fen calculation	Change the formula for the Fen calculation	Sec 1, [2.2.1]
Thickness of laminated windows	New scantling formula	Sec 3, [1.4.4] and [1.4.5]

Part C, Machinery, Electricity, Automation and Fire Protection

Chapter 1 Machinery

Topic	Description	Reference
Shafting scantling	New requirement for propeller shaft in composite material	Sec 2, [4.2.1]
Fuel supply systems	New requirements for yacht or charter yacht over 500 GT	Sec 8, [4.3]

Chapter 4 Fire protection, detection and extinction

Topic	Description	Reference
Fire pump	New capacity calculation formula	Sec 5, [2.2.2]
Independently driven power pump	New capacity of supplied source of energy	Sec 5, [22.5] e)
Exhaust ducts from galley ranges	Modification of requirements	Sec 7, [7.5.1]
Helicopter fuel system and refuelling facilities	New requirements	Sec 11, [4]