

Main Changes

NR467 Rules for the Classification of Steel Ships

The main changes in Bureau Veritas *Rules for the Classification of Steel Ships*, July 2025 edition with respect to the previous edition (January 2025) are as follows.

Rules history

July 2025 edition entry into force on July 1, 2025 Contents	Previous edition: January 2025 entry into force on January 1, 2025 Contents
Part A - Classification and Surveys [NR 467.A1 DT R24 E July 2025]	Part A - Classification and Surveys [NR 467.A1 DT R23 E January 2025]
Part B - Hull and Stability [NR 467.B1 DT R19 E July 2025]	Part B - Hull and Stability [NR 467.B1 DT R18 E January 2025]
Part C - Machinery, Systems and Fire Protection [NR 467.C1 DT R19 E July 2025]	Part C - Machinery, Systems and Fire Protection [NR 467.C1 DT R18 E January 2025]
Part D - Service Notations [NR 467.D1 DT R19 E July 2025]	Part D - Service Notations [NR 467.D1 DT R18 E January 2025]
Part E - Service notations for Offshore/Wind farm Service Vessels and Tugs [NR 467.E1 DT R10 E July 2025]	Part E - Service notations for Offshore/Wind farm Service Vessels and Tugs [NR 467.E1 DT R09 E January 2025]
Part F - Additional Class Notations [NR 467.F1 DT R19 E July 2025]	Part F - Additional Class Notations [NR 467.F1 DT R18 E January 2025]

Part A – Classification and Surveys

Service Notations

Existing service notations

Notation	Description	Reference
compressed gas carrier	Deletion of the service notation compressed gas carrier	Ch 1, Sec 2
liquefied gas carrier	New notation LH2 may be assigned for gas carriers designed to carry liquefied hydrogen in bulk	Ch 1, Sec 2, [4.4.5]

Additional Service Features

Existing additional service features

Notation	Description	Reference
ESA	Deletion of the additional service feature ESA . The notation ESA is kept only as voluntary additional class notation.	Ch 1, Sec 2

Additional Class Notations

New additional class notations

Notation	Description	Reference
EXGEM	New notation EXGEM covering ships fitted with methanol-fuelled, gas-fuelled or dualfuel internal combustion engines for which the level of methane, methanol and/or formaldehyde emissions have been measured	Ch 1, Sec 2, Tab 5 Ch 1, Sec 2, [6.8.16]
HMPS-PREPARED	New notation HMPS-PREPARED covering new ships designed to accommodate the future installation of hybrid mechanical propulsion in the future	Ch 1, Sec 2, Tab 5 Ch 1, Sec 2, [6.20.4]

Existing additional class notations

Notation	Description	Reference
CBRN	New complementary notation -AIRBLAST RESISTANCE covering ships for which the collective protective system is designed to withstand an air blast	Ch 1, Sec 2, Tab 5 Ch 1, Sec 2, [6.14.1]
MEM	Deletion of the notation MEM which is replaced by the notation EXGEM	Ch 1, Sec 2

Chapter 5 – Scope of Surveys Related to Additional Class Notations

Notation	Description	Reference
EXGEM	New requirement for the maintenance of the notation EXGEM in scope of annual and class renewal surveys	Sec 8, [1.1.1] Sec 8, [3.5]
CBRN	New requirement for the maintenance of the notation CBRN-AIR BLAST RESISTANCE in scope of annual surveys	Sec 11, [2.2.2]

Part B – Hull and Stability

Chapter 2 – General Arrangement Design

IACS Unified Requirements, Unified Interpretations & Recommendations

IACS Ref.	Rev.	Title / Description	Reference
UI SC 156	Rev. 3	Doors in watertight bulkheads of cargo ships and passenger ships	Ch 2, Sec 1, [6]

Chapter 3 – Stability

Topic	Description	Reference
Dredgers	Update of the loading conditions to be considered for dredgers	Ch 3, App 2, [1.2.10]

Chapter 4 – Structure Design Principles

Topic	Description	Reference
Structural detail principles	Update of the requirement covering the tapering of insert plates	Ch 4, Sec 5, [2.1.5]

Chapter 5 – Design Loads

Topic	Description	Reference
Hull girder loads	Deletion of the increase in vertical wave sagging bending moment due to bow flare impact	Ch 5, Sec 4, [3.1]
Sea pressure (load case BP)	Update of the non-linear effects for the load case BP	Ch 5, Sec 5, Symbols Ch 5, Sec 5, Tab 2 and Tab 4
Sea pressures (load case OHM)	Update of the sea pressures for load case OHM	Ch 5, Sec 5, Tab 12

Chapter 7 – Hull Scantlings

Topic	Description	Reference
General scantling formula of plating	Introduction of the coefficient $K_{R,a}$ taking into account the curvature of the plate panels	Ch 7, Sec 4, [1.1.1]
Bilge plating	Update of the requirements for the bilge plating	Ch 7, Sec 4, [6.2.1] and [6.2.2]
General scantling formulae of stiffeners	Introduction of coefficient $K_{R,s}$ taking into account the curvature of the attached plating in the scantling formulae of stiffener section modulus and web thickness	Ch 7, Sec 5, [1.1.1] and [1.1.2]

Chapter 8 – Direct Strength Analysis

Topic	Description	Reference
Local structural strength analysis	Deletion of the systematic screening approach	Ch 8, Sec 1, Fig 1 Ch 8, App 2

Chapter 11 – Other Structures

Topic	Description	Reference
Sloshing	Sloshing for low filling levels	Ch 11, Sec 4

Chapter 12 – Hull Outfitting

Topic	Description	Reference
Mooring for ships fitted with wind propulsion systems	New requirement clarifying the way to account for wind propulsion systems the calculation of the equipment number	Ch 12, Sec 4, [1.1.1], [1.2.4] and [4.2.5] Ch 12, App 2, [2.1.1]

Chapter 13 – Construction and Testing

Topic	Description	Reference
Welding	Update of the minimum leg length	Ch 13, Sec 3, Tab 1
Local structural strength analysis	Deletion of the systematic screening approach Update of the list of details subject to fine mesh analysis	Ch 13, Sec 5

Part C – Machinery, Electricity, Automation, and Fire Protection

Chapter 1 – Machinery

IACS Unified Requirements, Unified Interpretations & Recommendations

IACS Ref.	Rev.	Title / Description	Reference
Rec.185	New	Guidelines on Main Propulsion Shafting Alignment	Ch 1, Sec 7, [3] Ch 1, Sec 9, [4.1.1] Ch 1, Sec 18, [3.11.1], [3.11.3] and [3.11.4]
UR M84	New	Capacity and availability of compressed air for essential services	Ch 1, Sec 10, [17.4]

Other Changes

Topic	Description	Reference
Inspection of pipes and fittings	Relaxation of rules concerning inspection of pipes and fittings	Ch 1, Sec 10, Tab 40
Refrigerating installations	Refrigerants - Update on allowed refrigerants	Ch 1, Sec 16, [2.1.3], c) Ch 1, Sec 16, [2.2.1]

Chapter 2 – Electrical Installations

IACS Unified Requirements, Unified Interpretations & Recommendations

IACS Ref.	Rev.	Title / Description	Reference
UR E21	Rev. 2	Requirements for uninterruptible power system (UPS) units	Ch 2, Sec 6, [2.1], [2.2], [2.3] and [2.4] Ch 2, Sec 6, [3.3.2]
UI SC240	Rev. 0	Closing device for ventilation of battery rooms	Ch 2, Sec 11, [6.6]

Other Changes

Topic	Description	Reference
Battery System	Separate rooms for redundant battery systems for ships relying only on batteries	Ch 2, Sec 7, [5.6.1]

Chapter 4 – Fire Protection, Detection and Extinction

IACS Unified Requirements, Unified Interpretations & Recommendations

IACS Ref.	Rev.	Title / Description	Reference
UI SC 277	Rev. 1	Escape from machinery spaces on passenger ships	Ch 4, Sec 8, [2.3.2] and [2.3.4]
UI SC 276	Rev. 1	Escape from machinery spaces on cargo ships	Ch 4, Sec 8, [2.3.3]

Part D – Service Notations

Chapter 2 – Container Ships

IACS Unified Requirements, Unified Interpretations & Recommendations

IACS Ref.	Rev.	Title / Description	Reference
UR C6	New	Requirements for Lashing Software	Ch 2, Sec 2, [13.2]
UR C7	New	Approval and Certification of Container Securing Systems	Ch 2, Sec 2, [13.1]

Other Changes

Topic	Description	Reference
Local structural strength analysis	Deletion of the systematic screening approach	Ch 2, Sec 2
Scatter diagram for fatigue assessment	Introduction of new world wide scatter diagram for the fatigue assessment for the notation WhiSp	Ch 2, Sec 4, [3.2.1] Ch 2, App 1, Tab 1

Chapter 7 – Oil Tankers and FLS Tankers

Other Changes

Topic	Description	Reference
Local structural strength analysis	Deletion of the systematic screening approach	Ch 7, Sec 3, [8]

Chapter 9 – Liquefied Gas Carriers

IMO Requirements

IMO Ref.	IMO Title	Reference
MSC.1/Circ.1679	Interim guidelines for use of Liquefied Petroleum Gas (LPG) cargo as fuel	Ch 9, Sec 1, Tab 2, Ch 9, Sec 1, [1.2], Ch 9, Sec 1, [5.1.1] Ch 9, Sec 16, [1.2] and [9.2] (new) Ch 9, App 1
MSC.565(108)	Revised Interim Recommendations for carriage of Liquefied Hydrogen in Bulk (MSC.420(97))	Ch 9, Sec 1, [1.2.3] Ch 9, Sec 21

Other Changes

Topic	Description	Reference
Local structural strength analysis	Deletion of the systematic screening approach	Ch 9, Sec 20
Liquefied hydrogen carriers	Introduction of requirements for liquefied hydrogen carriers associated with the notation LH2 , complementing the service notation liquefied gas carrier	Ch 9, Sec 1, [1.2.3] Ch 9, Sec 21

Chapter 11 – Passenger ships

IACS Unified Requirements, Unified Interpretations & Recommendations

IACS Ref.	Rev.	Title / Description	Reference
UI SC 156	Rev. 3	Doors in watertight bulkheads of cargo ships and passenger ships	Ch 11, Sec 2, [2.3]

Chapter 12 – Ro-Ro Passenger ships

IACS Unified Requirements, Unified Interpretations & Recommendations

IACS Ref.	Rev.	Title / Description	Reference
UI SC 156	Rev. 3	Doors in watertight bulkheads of cargo ships and passenger ships	Ch 12, Sec 2, [2.3]

Chapter 13 – Ships for Dredging Activity

Topic	Description	Reference
Dredgers	General update of the requirements for dredgers	Ch 13, Sec 1 Ch 13, Sec 2

Part F – Additional Class Notations

New additional class notations

Class notation	Description	Reference
EXGEM	New notation EXGEM replacing the notation MEM , now covering the emissions of methane, methanol and formaldehyde	Ch 9, Sec 9
HMPS-PREPARED	New section giving the requirements for the assignment of the additional class notation HMPS-PREPARED	Ch 14, Sec 4

Existing additional class notations

Class notation	Description	Reference
MON-SHAFT	Update taking into account IACS Rec. No. 185	Ch 5, Sec 2, [3.1.6]
COMF	Adding clarification regarding the way to round-off vibrations measurements	Ch 6, Sec 1, [2.1.3]
	Adding one decimal to the allowable levels	
	Update of the way to manage the measurements not within allowable levels	Ch 6, Sec 1, [2.2.2]
	Adding one requirement covering the position of measurements points for the longitudinal and transverse accelerations	Ch 6, Sec 2, [3.1.2] Ch 6, Sec 3, [3.1.2] Ch 6, Sec 4, [3.1.2] Ch 6, Sec 5, [3.1.2]
ICE CLASS	Clarification of the requirement covering thruster body global vibrations	Ch 8, Sec 3, [1.11.5]
CLEANSHIP	Replacement of the notation MEM by the notation EXGEM	Ch 9, Sec 1, Tab 1
	Update of conditions of acceptance for hydrofluorocarbons (HFC) refrigerants	Ch 9, Sec 2, [3.7.1]

Class notation	Description	Reference
MEM	Replacement of the notation MEM by the notation EXGEM , now covering the emissions of methane, methanol and formaldehyde	Ch 9, Sec 9
CBRN	Improvement of CBRN notation for commercial ships considering feedbacks on the CBRN military notation	Ch 10, Sec 1 to Sec 5
LASHING	Update of the requirements according to the new IACS UR C6 & C7	Ch 12, Sec 5
OPS	New requirement to make the notation mandatory for ships equipped with HV shore power supply systems.	Ch 14, Sec 5, [1.1.2]