



Main changes in BV Rules for Steel Ships

Main changes in Bureau Veritas Rules for the Classification of Steel Ships July 2020 edition, into force on July 1, 2020, regarding the previous edition (January 2020) are described as follows.

Rules History

July 2020 edition into force on July 1, 2020 Contents	Previous edition: January 2020 into force on January 1, 2020 Contents
Amendments to Parts A, B, C, D, E and F [NR 467 DT Amd 016 E July 2020]	
Part A - Classification and Surveys [NR 467.A1 DT R17 E January 2020]	Part A - Classification and Surveys [NR 467.A1 DT R17 E January 2020]
Part B - Hull and Stability [NR 467.B1 DT R12 E January 2020]	Part B - Hull and Stability [NR 467.B1 DT R12 E January 2020]
Part C - Machinery; Electricity, Automation and Fire Protection [NR 467.C1 DT R12 E January 2020]	Part C - Machinery; Electricity, Automation and Fire Protection [NR 467.C1 DT R12 E January 2020]
Part D - Service Notations [NR 467.D1 DT R12 E January 2020]	Part D - Service Notations [NR 467.D1 DT R12 E January 2020]
Part E - Service notations for Offshore Service Vessels and Tugs [NR 467.E1 DT R03 E January 2020]	Part E - Service notations for Offshore Service Vessels and Tugs [NR 467.E1 DT R03 E January 2020]
Part F - Additional Class Notations [NR 467.F1 DT R12 E January 2020]	Part F - Additional Class Notations [NR 467.F1 DT R12 E January 2020]

PART A – Classification and Surveys

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR Z3	Rev.8	Periodical survey of the outside of the ship's bottom and related items	Ch 4, Sec 5
UR Z7	Rev.28	Hull Classification Surveys	Ch 2, Sec 2; Ch 3, Sec 2
UR Z7.1	Rev.15	Hull Surveys for General Dry Cargo Ships	Ch 2, Sec 2; Ch 2, App 3; Ch 4, Sec 7
UR Z7.2	Rev.8	Hull Surveys for Liquefied Gas Carriers	Ch 2, Sec 2; Ch 2, App 3; Ch 4, Sec 5
UR Z10.1	Rev.24	Hull Surveys of Oil Tankers	Ch 2, Sec 2
UR Z10.2	Rev.36	Hull Surveys of Bulk Carriers	Ch 2, Sec 2
UR Z10.3	Rev.19	Hull Surveys of Chemical Tankers	Ch 2, Sec 2
UR Z10.4	Rev.16	Hull Surveys of Double Hull Oil Tankers	Ch 2, Sec 2
UR Z10.5	Rev.19	Hull Surveys of Double Skin Bulk Carriers	Ch 2, Sec 2
UR Z20	Rev.2	Planned Maintenance Scheme (PMS) for Machinery	Ch 2, App1
UI SC182	Rev.1	Bulk carriers not complying with SOLAS XII/9 as of 1 January 2004 – deletion of the UI	Ch 3, Sec 1; Ch 4, Sec 2; Ch 6, Sec 2
Rec. 148	Rev.1	Survey of liquefied gas fuel containment systems	Ch 4, Sec 9, [5.5.2]

Service notations

- Existing service notation

Service notation	Description	Reference
anchor handling	Possibility to assign also the service notation alone, outside the offshore support vessel() service notation As a rule, the service notation tug is also to be assigned in combination with the service notation anchor handling	Ch 1, Sec 2 [4.8.2]

Additional service features

- New additional service features

Service feature	Description	Reference
standardized design bollard pull = [TBP/9,81] t	Introduction of the new additional service feature standardized design bollard pull = [TBP/9,81] t for ships assigned with tug , escort tug or salvage tug service notation	Ch 1, Sec 2 [4.7.1]; Ch 4, Sec 8, [6.2]
SMART()	Introduction of the SMART additional feature covering 1st tier of smart functions relative to hull, machinery & navigation	Ch 1, Sec 2 [4.17.8]

Additional class notations

- *New additional class notations*

Class notation	Description	Reference
CYBER MANAGED PREPARED	Introduction of the CYBER MANAGED PREPARED notation to reflect compliance, at shipyard level, with a set of requirements dealing with system integration and the management of critical equipment and remote access	Ch 1, Sec 2 [6.14.44]
CYBER SECURE PREPARED	Introduction of the CYBER SECURE PREPARED notation to reflect compliance with a set of requirements dealing with cyber management, equipment hardening and vessel secure by design	Ch 1, Sec 2 [6.14.44]

- *Existing additional class notations*

Class notation	Description	Reference
ULEV	Updating conditions of assignment and survey requirements, in line with ULEV notation re-engineering, see Pt F	Ch 1, Sec 2, [6.8.15]; Ch 4, Sec 7, [3.3.1]
DYNAPOS	Clarifying applicability of annual surveys at sea for DYNAPOS vessels	Ch 5, Sec 10, [5.1.2]
CEMS	Removing intermediate surveys for “ CEMS ”	Ch 5, Sec 7, [3.3.2]

Other Changes

Topic	Description	Reference
Condition monitoring & condition based maintenance	Updating the applicability of CBM survey	Ch 2, Sec 2, [4.4.7]
Condition of Class	Updating the word “recommendation” by “condition of class”	Ch 2, Sec 2; Ch 2, Sec 3; Ch 3, Sec 4; Ch 3, App 1; Ch 5 Sec 2

PART B – Hull Structure and Stability

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR W35	Rev.0	Requirements for NDT Suppliers	Ch 11, Sec 1 [1.4.4] and [6.2] (See also NR669)
UR S2	Rev.2	Definition of ship's length L and block coefficient C _b	Ch 1, Sec 2

Other Changes

Topic	Description	Reference
Mooring	Update of the breaking loads of synthetic fibre mooring ropes according to IACS Rec. 10 Rev.3	Ch 9, App 2 [2.5.3]

PART C – Machinery, Electricity & Fire Safety

Chapter 1 – Machinery

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR M80	Rev.0	Requirements for AC Generating sets	Ch 1, Sec 9 [3]
UR W35	Rev.0	Requirements for NDT Suppliers	Ch 1, Sec 1 [2.2] (See also NR669)
UI SC292	Rev.2	Arrangements for steering capability and function on ships fitted with propulsion and steering systems other than traditional arrangements for a ship's directional control	Ch 1, Sec 11 [4]

Chapter 2 – Electrical installations

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR M80	Rev.0	Requirements for AC Generating sets	Ch 2, Sec 4 [2.3]

Other Changes

Topic	Description	Reference
Battery	Clarification of the requirements applicable for Li-ion batteries	Ch 2, Sec 7 [1.4.1]

Chapter 4 – Fire Safety

IMO Regulations

IMO Instrument	Description	Reference
MSC.1/Circ.1616	Unified Interpretations of SOLAS Chapter II-2 – Categorization of spaces for the storage of urea or sodium hydroxide solutions tanks	Ch 4, Sec 5, [1.3] and [1.4]

Other Changes

Topic	Description	Reference
Type-approval	Clarification of the list of items for which type-approval is required	Ch 4, Sec 1, [2.5.1]
Fire-fighting systems	Dimensioning of the fire pumps when they feed fixed fire-extinguishing systems in addition to the fire main	Ch 4, Sec 6, [1.3.4]
Fuel for auxiliary vehicles	Clarifications and wording improvements	Ch 4, Sec 11

PART D – Service Notations

Chapter 4 – Bulk Carriers

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR S17	Rev.10	Longitudinal strength of Hull Girder in flooded condition for single side skin Bulk Carriers	Ch 4, Sec 3 [3.2]
UR S18	Rev.10	Evaluation of Scantlings of Corrugated Transverse Watertight Bulkheads in Bulk Carriers considering hold flooding	Ch 4, Sec 3 [3.3]

Chapter 9 – Liquefied Gas Carriers

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UI GC23	Corr.1	Cargo tank structure heating arrangement power supply	Ch 9, Sec 4 [6.2.6]
UI GC20	New	Tee welds in type A or type B independent tanks	Ch 9, Sec 4 [7.2.1]
UI GC21	New	Welds of type C independent bi-lobe tank with centreline bulkhead	Ch 9, Sec 4 [7.2.2]
UI GC25	Rev.1	Cargo piping insulation	Ch 9, Sec 5 [12.1.4]
UI GC26	Corr.1	Type testing requirements for valves	Ch 9, Sec 5 [13.3.1]
UI GC28	Rev.1	Guidance for sizing pressure relief systems for interbarrier spaces	Ch 9, Sec 8 [2.1.3]
UI GC22	June 2019	Water spray system	Ch 9, Sec 11 [1.3.2] and [1.3.5]
UI GC27	Corr.1	Level indicators for cargo tanks	Ch 9, Sec 13 [2.1.2]
UI GC29	New	Integrated systems	Ch 9, Sec 13 [9.1.3]

IMO Regulations

IMO Instrument	Description	Reference
MSC.1/Circ.1617	Unified interpretations of the IGC Code	Ch 9, Sec 11 [1.3.8] and [1.4.9]

Other Changes

Topic	Description	Reference
Classes of gas fuel piping	Clarification of the piping classes applicable for gas fuel piping	Ch 9, Sec 16 [4.1.6] and Tab.1

PART E – Service Notations for OSV and Tugs

Chapter 1 – Tugs

Topic	Description	Reference
<i>Bollard Pull Trials</i>	<i>Introduction of the new additional service feature standardized design bollard pull = $[TBP/9,81] t$ and new test procedure for bollard pull trials</i>	Ch 1, Sec 1; Ch 1 Sec 5; Ch 1 App 1

PART F – Additional Class Notations

Class notation	Description	Reference
AVM-DPS	<i>Clarification of how blackout cases are to be considered</i>	Ch 2, Sec 2 [2.2.3]
BATTERY SYSTEM	<i>Various updates regarding battery certification and installation on board, including:</i> <ul style="list-style-type: none"> • <i>Requirement for a gas analysis during battery certification</i> • <i>Update of fire safety requirements for batteries, especially Li-ion batteries</i> 	Ch 11, Sec 21
UNSHELTERED ANCHORING	<i>Introduction of the possibility to perform alternative testing method when the water depth is insufficient</i>	Ch 11, Sec 23 [2.4.3]
ULEV	<i>Complete revision of ULEV notation</i>	Ch 11, Sec 26