

Main changes in BV Rules on Materials and Welding for the Classification of Marine Units

Main changes in Bureau Veritas Rules on Materials and Welding for the Classification of Marine Units July 2021 edition, regarding the previous edition (January 2021) are described as follows.

Rules history

July 2021 edition into force on July 1, 2021 Contents	Previous edition: July 2019 into force on July 1, 2019 Contents
	Amendments to Chapters 1, 2, 3, 4 and 5 [NR 216 Amd 002 July 2020]
	Amendments to Chapters 2 and 5 [NR 216 Amd 003 January 2021]
Chapter 1 - General Requirements [NR 216 DT R12 E July 2021]	Chapter 1 - General Requirements [NR 216 DT R11 E July 2019]
Chapter 2 - Steel and Iron Products [NR 216 DT R12 E July 2021]	Chapter 2 - Steel and Iron Products [NR 216 DT R11 E July 2019]
Chapter 3 - Non Ferrous Alloy Products [NR 216 DT R12 E July 2021]	Chapter 3 - Non Ferrous Alloy Products [NR 216 DT R11 E July 2019]
Chapter 4 - Miscellaneous Products [NR 216 DT R12 E July 2021]	Chapter 4 - Miscellaneous Products [NR 216 DT R11 E July 2019]
Chapter 5 - Welding [NR 216 DT R12 E July 2021]	Chapter 5 - Welding [NR 216 DT R11 E July 2019]
Chapter 6 – Advanced Non-Destructive Testing [NR 216 DT R12 E July 2021]	

Chapter 1 - General Requirements

Section 1 - Manufacture

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR W33	Rev. 1	Non-destructive testing of ship hull steel welds	Ch 1, Sec 1 [3.6.4] Ch 1, Sec 1 [3.6.5] New
UR W34	Rev. 0	Advanced non-destructive testing of materials and welds.	Ch 1, Sec 1 [3.6.6] New

Chapter 2 - Steel and Iron Products

Section 3 - Steel forgings

IACS Unified Requirements, Unified Interpretations & Recommendations

<i>UR/UI</i>	<i>Revision</i>	<i>Title</i>	<i>Reference</i>
UR M72	Rev. 2	Certification of Engine Components – Table M72.2	Ch 2, Sec3 [3.8.1] & [3.8.2]
Rec 68	Rev. 1	Guidelines for non-destructive testing of hull and machinery steel forgings	Ch 2, Sec3 [1.10.1]; [3.8.1]; [3.8.2] & [4.7.1]

Section 4 - Steel castings

IACS Unified Requirements, Unified Interpretations & Recommendations

<i>UR/UI</i>	<i>Revision</i>	<i>Title</i>	<i>Reference</i>
UR W27	Rev.2 Corr.1	Cast steel propellers	Ch 2, Sec 4 [8]

Section 5 - Iron castings

Other Changes

<i>Topic</i>	<i>Description</i>	<i>Reference</i>
Manufacture	Manufacturers of iron castings are to be recognised by the Society in accordance with the Society's Rule Note NR320	Ch 2, Sec 5 [1.3.1]

Chapter 3 - Non Ferrous Alloy Products

Section 1 - Copper and Copper Alloys

IACS Unified Requirements, Unified Interpretations & Recommendations

<i>UR/UI</i>	<i>Revision</i>	<i>Title</i>	<i>Reference</i>
UR W24	Rev.4	Cast copper alloy propellers	Ch 3, Sec 1 [3]

Other Changes

<i>Topic</i>	<i>Description</i>	<i>Reference</i>
Manufacture	Manufacturers of copper alloy castings & pipes are to be recognised by the Society in accordance with the Society's Rule Note NR320	Ch 3, Sec 1 [2.2.1] & [4.2]

Chapter 4 - Miscellaneous Products

Section 1 - Equipment

Other Changes

Topic	Description	Reference
Manufacture	Manufacturers of steel wire ropes and their individual works are to be recognised by the Society in accordance with the Society's Rule Note NR320.	Ch 4, Sec 1 [4.1.2] & [4.2.1]

Section 3 - Others

Other Changes

Topic	Description	Reference
Glass panes	Add reference to testing requirement for guaranteed minimum flexural strength of glass in accordance with ISO standards	Ch 4, Sec 3 [1.3.2] sub item c

Chapter 5 - Welding

Section 4 - Approval of welding procedures

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR W24	Rev. 4	Cast copper alloy propellers – Appendix A : Welding procedure qualification tests for repair cast copper alloy propeller	Ch 5, Sec 4 [1.1.1] Ch 5, Sec 4 [11] New
UR W27	Rev.2 Corr.1	Cast steel propellers - Appendix A : Welding procedure qualification tests for repair cast steel propeller	Ch 5, Sec 4 [1.1.1] Ch 5, Sec 4 [11] New

Chapter 6 - Advanced Non-Destructive Testing (NEW)

Section 1 - Advanced Non-Destructive Techniques

IACS Unified Requirements, Unified Interpretations & Recommendations

UR/UI	Revision	Title	Reference
UR W34	Rev. 0	Advanced non-destructive testing of materials and welds.	Ch 1, Sec 1 New