Type of newsletter: ***CLASS NEWSLETTER, Rules for the classification of ships, edition January 2024***
Number: ***08.01.2024, revision 0***

APPLICATION:
Type of ships: ***Vessels subject to CRS class requirements***
Flag(s): ***-***

Release of the Rules for the classification of ships, edition January 2024

CRS is pleased to announce the release of the January 2024 edition of the Rules for the classification of ships which can be downloaded from the following address:

http://www.crs.hr/rules-imo-and-eu-regulations/crs-rules-and-standards/rules-for-the-classification-of-ships

CRS Rules are continually revised and updated in order to timely include internationally accepted standards (IACS Procedural requirements (PRs), Unified requirements (URs), Unified interpretations (UIs), IMO, ILO, EU, Flag state requirements, etc.) related to the safety of human life at sea and protection of the sea environment, as far as they concern classification.

CRS publishes and systematically maintains its rules related to design, construction, and maintenance of various types of vessels and their associated essential engineering systems related to:

- Structural strength, and where necessary watertight integrity of all essential parts of the hull and its appendages.
- Safety and reliability of the propulsion and steering system and those features and auxiliary systems for establishing and maintaining basic conditions on board.
- Stability.
- Subdivision
- Fire protection.
- Refrigerating plant.

A full list of CRS Rules in force from 1st January 2024 is attached.

An outline of amendments CRS Rules in force from 1st January 2024 is attached.

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CROATIAN REGISTER OF SHIPPING
HRVATSKI REGISTAR BRODOVA

RULES OF CROATIAN REGISTER OF SHIPPING, January 2024
PRAVILA HRVATSKOG REGISTRA BRODOVA, siječanj 2024.

RULES FOR THE CLASSIFICATION OF SHIPS
PRAVILA ZA KLASIFIKACIJU BRODOVA

		Edition - Izdanje
PART 1	**GENERAL REQUIREMENTS** OPĆI PROPISI	**January 2023**
Chapter 1	General information Općenito	**January 2023**
	General information – Amendments No. 1 *Općenito – Izmjene i dopune broj 1*	**July 2023**
Chapter 2	Survey during construction and initial survey Nadzor nad gradnjom i osnovni pregled	**January 2023**
	Survey during construction and initial survey- Amendments No. 1 *Nadzor nad gradnjom i osnovni pregled – Izmjene i dopune broj 1*	**July 2023**
	Survey during construction and initial survey- Amendments No. 2 *Nadzor nad gradnjom i osnovni pregled – Izmjene i dopune broj 2*	**January 2024 - new**
Chapter 3	Type approval of products Tipno odobrenje proizvoda	**January 2023**
Chapter 4	Approval of manufacturers and service suppliers Odobrenje proizvođača i uslužnih tvrtki	**January 2023**
	Approval of manufacturers and service suppliers – Amendments No. 1 *Odobrenje proizvođača i uslužnih tvrtki – Izmjene i dopune broj 1*	**July 2023**
	Approval of manufacturers and service suppliers – Amendments No. 2 *Odobrenje proizvođača i uslužnih tvrtki – Izmjene i dopune broj 2*	**January 2024 - new**
Chapter 5	Surveys of ships in service Pregledi postojećih brodova	**January 2023**
	Surveys of ships in service – Amendments No. 1 *Pregledi postojećih brodova – Izmjene i dopune broj 1*	**July 2023**
	Surveys of ships in service – Amendments No. 2 *Pregledi postojećih brodova – Izmjene i dopune broj 2*	**January 2024 - new**
Chapter 6	Requirements for additional class notations Zahtjevi za dodatne oznake klase	**January 2023**
PART 2	**HULL** TRUP	**January 2024 - new**
PART 3	**HULL EQUIPMENT** OPREMA TRUPA	**July 2020**
	HULL EQUIPMENT - Amendments No. 1 *OPREMA TRUPA - Izmjene i dopune broj 1*	**January 2021**
	HULL EQUIPMENT - Amendments No. 2 *OPREMA TRUPA - Izmjene i dopune broj 2*	**January 2022**
	HULL EQUIPMENT - Amendments No. 3 *OPREMA TRUPA - Izmjene i dopune broj 3*	**July 2022**
	HULL EQUIPMENT - Corrigenda *OPREMA TRUPA - Ispravak*	**July 2023**
	HULL EQUIPMENT - Amendments No. 4 *OPREMA TRUPA - Izmjene i dopune broj 4*	**January 2024 - new**
PART 4	**STABILITY** STABILITET	**July 2023**
	STABILITY - Amendments No. 1 *STABILITET – Izmjene i dopune broj 1*	**January 2024 - new**

RULES FOR THE CLASSIFICATION OF SHIPS
PRAVILA ZA KLASIFIKACIJU BRODOVA

		Edition - Izdanje
PART 5	**SUBDIVISION** PREGRAĐIVANJE *SUBDIVISION - Amendments No. 1* *PREGRAĐIVANJE - Izmjene i dopune broj 1* *SUBDIVISION - Amendments No. 2* *PREGRAĐIVANJE - Izmjene i dopune broj 2* *SUBDIVISION – Corrigenda* *PREGRAĐIVANJE - Ispravak* *SUBDIVISION – Amendments No. 3* *PREGRAĐIVANJE – Izmjene i dopune broj 3*	**January 2020** **January 2022** **July 2022** **July 2023** **January 2024 - new**
PART 7	**MACHINERY INSTALLATION** STROJNI UREĐAJ *MACHINERY INSTALLATION - Amendments No. 1* *STROJNI UREĐAJ - Izmjene i dopune broj 1* *MACHINERY INSTALLATION - Amendments No. 2* *STROJNI UREĐAJ - Izmjene i dopune broj 2*	**January 2020** **January 2021** **July 2022**
PART 8	**PIPING** CJEVOVODI *PIPING - Amendments No. 1* *CJEVOVODI - Izmjene i dopune broj 1* *PIPING - Amendments No. 2* *CJEVOVODI - Izmjene i dopune broj 2* *PIPING - Amendments No. 3* *CJEVOVODI - Izmjene i dopune broj 3* *PIPING - Amendments No. 4* *CJEVOVODI - Izmjene i dopune broj 4*	**January 2021** **January 2022** **July 2022** **January 2023** **July 2023**
PART 9	**MACHINES** STROJEVI *MACHINES - Amendments No. 1* *STROJEVI - Izmjene i dopune broj 1* *MACHINES - Amendments No. 2* *STROJEVI - Izmjene i dopune broj 2* *MACHINES - Amendments No. 3* *STROJEVI - Izmjene i dopune broj 3*	**July 2022** **January 2023** **July 2023** **January 2024 - new**
PART 10	**BOILERS, HEAT EXCHANGERS AND PRESSURE VESSELS** KOTLOVI, IZMJENJIVAČI TOPLINE I POSUDE POD TLAKOM *BOILERS, HEAT EXCHANGERS AND PRESSURE VESSELS - Amendments No. 1* *KOTLOVI, IZMJENJIVAČI TOPLINE I POSUDE POD TLAKOM - Izmjene i dopune broj 1*	**July 2009** **July 2016**
PART 11	**REFRIGERATING PLANT** *RASHLADNI UREĐAJ*	**July 2009**
PART 12	**ELECTRICAL EQUIPMENT** ELEKTRIČNA OPREMA *ELECTRICAL EQUIPMENT – Amendments No. 1* *ELEKTRIČNA OPREMA – Izmjene i dopune broj 1*	**July 2023** **January 2024 - new**
PART 13	**AUTOMATION** AUTOMATIZACIJA *AUTOMATION – Corrigenda* *AUTOMATIZACIJA – Ispravak broj 1* *AUTOMATION – Corrigenda* *AUTOMATIZACIJA – Ispravak broj 2*	**January 2020** **January 2023** **July 2023**

RULES FOR THE CLASSIFICATION OF SHIPS
PRAVILA ZA KLASIFIKACIJU BRODOVA

		Edition - Izdanje
PART 17	**FIRE PROTECTION** PROTUPOŽARNA ZAŠTITA *FIRE PROTECTION - Amendments No. 1* *PROTUPOŽARNA OPREMA - Izmjene i dopune broj 1* *FIRE PROTECTION - Amendments No. 2* *PROTUPOŽARNA OPREMA - Izmjene i dopune broj 2* *FIRE PROTECTION - Amendments No. 3* *PROTUPOŽARNA OPREMA - Izmjene i dopune broj 3* *FIRE PROTECTION - Amendments No. 4* *PROTUPOŽARNA OPREMA - Izmjene i dopune broj 4*	**January 2022** **July 2022** **January 2023** **July 2023** **January 2024 - new**
PART 24	**NON-METALLIC MATERIALS** NEMETALNI MATERIJALI *NON-METALLIC MATERIALS - Corrigenda* *NEMETALNI MATRIJALI - Ispravak*	**July 2017** **July 2022**
PART 25	**METALLIC MATERIALS** METALNI MATERIJALI *METALLIC MATERIALS - Amendments No. 1* *METALNI MATERIJALI – Izmjene i dopune broj 1* *METALLIC MATERIALS - Amendments No. 2* *METALNI MATERIJALI - Izmjene i dopune broj 2* *METALLIC MATERIALS - Amendments No. 3* *METALNI MATERIJALI - Izmjene i dopune broj 3*	**July 2021** **January 2022** **January 2023** **July 2023**
PART 26	**WELDING** ZAVARIVANJE *WELDING - Amendments No. 1* *ZAVARIVANJE - Izmjene i dopune broj 1* *WELDING - Corrigenda* *ZAVARIVANJE - Ispravak* *WELDING - Amendments No. 2* *ZAVARIVANJE - Izmjene i dopune broj 2*	**July 2021** **January 2022** **July 2022** **January 2023**
PART 27	**CHEMICAL TANKERS** TANKERI ZA KEMIKALIJE *CHEMICAL TANKERS - Corrigenda* *TANKERI ZA KEMIKALIJE - Ispravak* *CHEMICAL TANKERS - Amendments No. 1* *TANKERI ZA KEMIKALIJE - Izmjene i dopune broj 1*	**January 2021** **July 2022** **January 2023**
PART 28	**HIGH-SPEED CRAFT** BRZI BRODOVI *HIGH-SPEED CRAFT - Amendments No. 1* *BRZI BRODOVI - Izmjene i dopune broj 1* *HIGH-SPEED CRAFT - Amendments No. 2* *BRZI BRODOVI - Izmjene i dopune broj 2* *HIGH-SPEED CRAFT - Amendments No. 3* *BRZI BRODOVI - Izmjene i dopune broj 3*	**January 2020** **July 2022** **January 2023** **January 2024 - new**
PART 29	**POLAR CLASS SHIPS AND ICE CLASS SHIPS** BRODOVI S POLARNOM KLASOM I BRODOVI S KLASOM ZA LED *POLAR CLASS SHIPS AND ICE CLASS SHIPS - Amendments No. 1* *BRODOVI S POLARNOM KLASOM I BRODOVI S KLASOM ZA LED - Izmjene i dopune broj 1* *POLAR CLASS SHIPS AND ICE CLASS SHIPS - Amendments No. 2* *BRODOVI S POLARNOM KLASOM I BRODOVI S KLASOM ZA LED - Izmjene i dopune broj 2*	**January 2019** **January 2021** **January 2022**

RULES FOR THE CLASSIFICATION OF SHIPS
PRAVILA ZA KLASIFIKACIJU BRODOVA

		Edition - Izdanje
PART 33	**SHIPS USING GASES OR OTHER LOW-FLASHING FUEL** BRODOVI KOJI UPOTREBLJAVAJU PLINOVITA GORIVA ILI DRUGE VRSTE GORIVA NISKE TOČKE PLAMIŠTA *SHIPS USING GASES OR OTHER LOW-FLASHING FUEL - Amendments No. 1* *BRODOVI KOJI UPOTREBLJAVAJU PLINOVITA GORIVA ILI DRUGE VRSTE GORIVA NISKE TOČKE PLAMIŠTA - Izmjene i dopune broj 1* *SHIPS USING GASES OR OTHER LOW-FLASHING FUEL - Amendments No. 2* *BRODOVI KOJI UPOTREBLJAVAJU PLINOVITA GORIVA ILI DRUGE VRSTE GORIVA NISKE TOČKE PLAMIŠTA - Izmjene i dopune broj 2* *SHIPS USING GASES OR OTHER LOW-FLASHING FUEL - Amendments No. 3* *BRODOVI KOJI UPOTREBLJAVAJU PLINOVITA GORIVA ILI DRUGE VRSTE GORIVA NISKE TOČKE PLAMIŠTA - Izmjene i dopune broj 3*	**July 2022** **January 2023** **July 2023** **January 2024 - new**
PART 34	**RULES FOR THE CLASSIFICATION OF VESSELS OF LESS THAN 24 METERS IN LENGTH** PRAVILA ZA KLASIFIKACIJU PLOVILA DULJINE MANJE OD 24 METRA	**July 2021**
PART 35	**YACHTS** JAHTE	**January 2022**
	COMMON STRUCTURAL RULES FOR BULK CARRIERS AND OIL TANKERS, January 2022 Common Structural Rules for Bulk Carriers and Oil Tankers, Rule Change Notice (RCN) 1 to January 2022 edition **COMMON STRUCTURAL RULES FOR BULK CARRIERS AND OIL TANKERS, January 2023 edition**	**July 2022** **July 2023** **July 2023**

RULES FOR TECHNICAL SUPERVISION OF SEA-GOING SHIPS
PRAVILA ZA TEHNIČKI NADZOR POMORSKIH BRODOVA

		Edition - Izdanje
PART 19	**CARGO HANDLING GEAR AND LIFTING APPLIANCES** UREĐAJ ZA RUKOVANJE TERETOM I NAPRAVE ZA DIZANJE	**January 2011**
PART 20	**PROTECTION AT WORK AND CREW ACCOMMODATION** ZAŠTITA PRI RADU I SMJEŠTAJ POSADE *PROTECTION AT WORK AND CREW ACCOMMODATION - Amendments No. 1* *ZAŠTITA PRI RADU I SMJEŠTAJ POSADE - Izmjene i dopune broj 1*	**January 2015** **January 2023**
PART 22	**POLLUTION PREVENTION** SPREČAVANJE ONEČIŠĆENJA	**November 2023**
PART 29	**POLAR CLASS SHIPS AND ICE CLASS SHIPS** BRODOVI S POLARNOM KLASOM I BRODOVI S KLASOM ZA LED	**January 2018**
PART 32	**SHIP RECYCLING** RECIKLIRANJE BRODOVA *SHIP RECYCLING - Amendments No. 1* *RECIKLIRANJE BRODOVA - Izmjene i dopune broj 1* *SHIP RECYCLING - Amendments No. 2* *RECIKLIRANJE BRODOVA - Izmjene i dopune broj 2*	**October 2018** **January 2023** **January 2024 - new**
	PRAVILA ZA STATUTARNU CERTIFIKACIJU RIBARSKIH BRODOVA *)	**srpanj 2012.**
	PRAVILA ZA TEHNIČKI NADZOR BRODOVA OD DRVA, ALUMINIJSKIH SLITINA I PLASTIČNIH MATERIJALA *)	**siječanj 2013.**

*) Dostupno samo na hrvatskom jeziku – *Available only in Croatian*

TECHNICAL GUIDELINES
TEHNIČKE SMJERNICE

		Edition - Izdanje
	GUIDELINES FOR THE CLASSIFICATION OF FLOATING DOCKS SMJERNICE ZA KLASIFIKACIJU PLUTAJUĆIH DOKOVA	**November 2021**

POTVRĐIVANJE SUSTAVA UPRAVLJANJA KVALITETOM

		Edition - Izdanje
	POTVRĐIVANJE SUSTAVA UPRAVLJANJA KVALITETOM *)	**srpanj 2012.**

RULES FOR THE CLASSIFICATION OF INLAND NAVIGATION VESSELS
PRAVILA ZA KLASIFIKACIJU BRODOVA UNUTARNJE PLOVIDBE

		Edition - Izdanje
PART 1	**CLASSIFICATION AND SURVEYS**	**July 2021**
PART 2	**HULL AND HULL EQUIPMENT**	**July 2021**
PART 3	**MACHINERY, SYSTEMS AND ELECTRICITY**	**July 2021**
PART 4	**ADDITIONAL REQUIREMENTS FOR NOTATIONS**	**July 2021**

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*) Dostupno samo na hrvatskom jeziku – *Available only in Croatian*

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 1 – GENERAL REQUIREMENTS
Chapter 2 – Survey during construction and initial survey

Amended Rules
Rules for the classification of ships, Part 1 - General Requirements, Chapter 2 – Survey during construction and initial survey

Type of amendments
Rules published as Amendments No. 2 to January 2023 edition

Date of coming into force
1 January 2024

Basis for rules update
IACS UR S14 (Rev. 7, Dec 2022) – Testing Procedures of Watertight Compartments
IMO MEPC.379(80) – 2023 Guidelines for the development of the inventory of hazardous materials

Description of the main changes within the Rules

Head 1.1 GENERAL REQUIREMENTS - has been amended in order to include reference to 2023 Guidelines for the development of the inventory of hazardous materials (MEPC.379(80))

Head 1.4 REQUIREMENTS FOR TESTING DURING CONSTRUCTION - has been amended to include requirements of revision 7 of IACS UR S14 – Testing procedures of watertight compartments

Technical background of amendments

Through MEPC.379(80) IMO has adopted 2023 Guidelines for the development of the inventory of hazardous materials related to cybutryne if found on board

IACS UR S14 specifies testing procedures for watertight compartments.
Although subject UR includes requirements for structural tests (including test heads) based on the SOLAS Convention, IACS discussed also applying such requirements to Non-SOLAS ships in order to achieve uniform application in accordance with the requirements for SOLAS ships
As a result, IACS amended this UR to add a new part (Part C) which specifies requirements for Non-SOLAS ships, in addition to Part A (SOLAS ships) and Part B (SOLAS exempt/equivalent ships). In addition, IACS also reviewed relevant requirements based on their actual application and amended them as needed. IACS adopted the changes it made as UR S14 (Rev. 7) in December 2022

Effective Date and Application

Requirements for testing procedures of watertight compartments (IACS UR S14, rev. 7) is applicable to ships contracted for construction on or after 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 1 – GENERAL REQUIREMENTS
Chapter 4 – Approval of manufacturers and service suppliers

Amended Rules
Rules for the classification of ships, Part 1 - General information, Chapter 4 – Approval of manufacturers and service suppliers

Type of amendments
Rules published as Amendments No. 2 to January 2023 edition

Date of coming into force
1 January 2024

Basis for rules update
Requirements for treatment of the entity and its principals after cancellation based on a grave fault, such as violation of ethics, included in the text

Effective Date and Application

Applicable both to existing and ongoing certification of manufactures and service suppliers on or after 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 1 – GENERAL REQUIREMENTS
Chapter 5 – Surveys of ships in service

Amended Rules
Rules for the classification of ships, Part 1 - General information, Chapter 5 – Surveys of ships in service

Type of amendments
Rules published as Amendments No. 2 to January 2023 edition

Date of coming into force
1 January 2024

Basis for rules update
IACS PR 37 (Rev. 5, Sep 2023) - Procedural Requirement for Confined Space Safe Entry
IACS UI SC212 (Rev. 1, Nov. 2023) - Shipboard fittings and supporting hull structures associated with towing and mooring of conventional vessels
IMO MSC.474(102) – Amendments to SOLAS Regulation II-1/3-8 – Towing and mooring equipment

Description of the main changes within the Rules

Head 3.2 PREPARATIONS AND CONDITIONS FOR SURVEY – ALL SHIPS - has been amended. Reference to IMO A.1050(27) added

Head 4.2 HULL AND HULL EQUIPMENT SURVEY – STEEL SHIPS, ALUMUNIUM ALLOY SHIPS – ALL SHIPS - has been amended to include requirements from IACS UI SC212, rev. 1 and IMO MSC.474(102) respectively
Head 5.2 HULL AND HULL EQUIPMENT SURVEY – ALL SHIPS - has been amended to include requirements from IACS UI SC212, rev. 1 and IMO MSC.474(102) respectively
Head 7.2 HULL AND HULL EQUIPMENT SURVEY – STEEL SHIPS, ALUMINIUM ALLOY SHIPS - has been amended to include requirements from IACS UI SC212, rev. 1 and IMO MSC.474(102) respectively

Head 7.2 HULL AND HULL EQUIPMENT SURVEY – STEEL SHIPS, ALUMINIUM ALLOY SHIPS - has been amended with reference to IACS Rec. 111

Head 6.2 DOCKING SURVEY - has been amended with the requirements for alternative surveys of floating docks

ANNEX C HULL SURVEYS OF DOUBLE SKIN BULK CARRIERS, Head 2 RENEWAL (SPECIAL) SURVEY - has been amended to include examination of the condition of the corrosion prevention system of the double-side skin void spaces bounding cargo holds for bulk carriers exceeding 20 years of age and of 150 m in length and upwards

Technical background of amendments

Through revision No. 3 of IACS PR37 – Procedural requirements for confined space safe entry, new definition of adjacent spaces and connected spaces has been included. New definition of the Hazardous atmosphere instead of the Toxic product has been introduced

Amendments to SOLAS Ch. II-1, Reg. 3-8 have been adopted by Res. MSC.474(102) and coming into force on 1 January 2024. Additionally, Guidelines on the Design of Mooring Arrangements and the Selection of

Appropriate Mooring Equipment and Fittings for Safe Mooring (MSC.1/Circ.1619) and the Guidelines for Inspection and Maintenance of Mooring Equipment Including Lines (MSC.1/Circ.1620), were adopted.
As a consequence, IACS completely revised its UI SC212 as rev. 1 to address the requirements specified in the aforementioned IMO circulars. Accordingly, relevant requirements for existing ships are amended within the Rules based upon MSC.474(102), MSC.1/Circ.1619, MSC.1/Circ.1620 and UI SC212 (Rev.1).
Compliance with SOLAS regulation II-1/3-8.9 shall be confirmed by the surveyor at the initial survey for new ships or at the first annual / intermediate / renewal survey for the issuance of the Cargo Ship Safety Construction Certificate or renewal survey for the issuance of the Passenger Ship Safety Certificate and corresponding class survey after 1 January 2024 for existing ships

Effective Date and Application

IACS PR37, rev. 3 applies from 1 January 2024

IACS UI SC212, rev. 1 and IMO MSC.474(102), respectively as regard existing ships are to be applied from 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 2 - HULL

Rules to be updated
Rules for the classification of ships, Part 2 - Hull

Type of amendments
Rules published as a consolidated edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IACS UR S14 (Rev. 7, Dec 2022) – Testing Procedures of Watertight Compartments
IMO MSC.482(103) - Water level detectors on multiple hold cargo ships other than bulk carriers and tankers
IMO MSC.188(79)/Rev.1 - Revised Performance Standards for Water Level Detectors on Ships Subject to SOLAS Regulations II-1/25, II-1/25-1 and XII/12

Description of the main changes within the Rules

Head 1.6 WATER LEVEL DETECTORS ON MULTIPLE HOLD CARGO SHIP OTHER THAN BULK CARRIERS AND TANKERS (SOLAS 1974, Ch. II-1, Reg. 25-1) - has been amended to include requirements from IMO MSC.482(103)

Head 11.6 TESTING PROCEDURES OF WATERTIGHT COMPARTMENTS - has been amended to include requirements of IACS UR S14, rev. 7

Head 11.7 PROCEDURES FOR TESTING TANKS AND TIGHT BOUNDARIES (SOLAS SHIPS) - has been amended in line with IACS UR S14, rev. 7

Head 11.7 PROCEDURES FOR TESTING TANKS AND TIGHT BOUNDARIES (SOLAS EXEMPT / EQUIVALENT SHIPS) - has been amended in line with IACS UR S14, rev. 7

New Head 11.9 PROCEDURES FOR TESTING TANKS AND TIGHT BOUNDARIES (NON-SOLAS SHIPS) - has been added to accommodate requirements of the new Part C of IACS UR S14, rev. 7

Technical background of amendments

Amendments to SOLAS, Ch. II-1, Reg. 25-1 have been adopted by IMO Res. MSC.482(103), related to the multiple hold cargo ships other than bulk carriers and tankers constructed on or after 1 January 2024 and which shall be fitted with water level detectors in each cargo hold intended for dry cargoes. Water level detectors are not required for cargo holds located entirely above the freeboard deck. Performance standards for water level detectors on ships subject to SOLAS regulations II-1/25, II-1/25-1 and XII/12 adopted by the Maritime Safety Committee by resolution MSC.188(79)/Rev.1 are applicable

IACS has amended UR S14 adding new Part C specifying separate requirements for non-SOLAS ships. The testing procedures of watertight compartments are to be now carried out in accordance with Head 11.7, the “Procedures for testing tanks and tight boundaries for SOLAS ships” (including CSR BC & OT) – Part A of IACS UR S14, and Head 11.8, “Procedures for testing tanks and tight boundaries SOLAS exempt/

equivalent ships" (including CSR BC & OT) – Part B of IACS UR S14, and Head 11.9, "Procedures for testing tanks and tight boundaries for non-SOLAS ships" – Part C of IACS UR S14

Effective Date and Application

IMO Res. MSC.482(103) relates to the multiple hold cargo ships other than bulk carriers and tankers constructed on or after 1 January 2024

IACS UR S14, rev. 7 applies to ships contracted for construction on or after 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 3 – HULL EQUIPMENT

Rules to be updated
Rules for the classification of ships, Part 3 – Hull Equipment

Type of amendments
Rules published as Amendments No. 4 to July 2020 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IACS UI SC212 (Rev. 1, Nov. 2023) - Shipboard fittings and supporting hull structures associated with towing and mooring of conventional vessels
IACS Rec. 10 (Rev. 5, June 2023) - Chain Anchoring, Mooring and Towing Equipment
IMO MSC.474(102) – Amendments to SOLAS Regulation II-1/3-8 – Towing and mooring equipment

Description of the main changes within the Rules

Head 3.1 GENERAL PROVISIONS - has been amended to include amendments to IACS Rec. 10, rev. 5

Head 5.9 GENERAL PROVISIONS - has been amended to include requirements of IACS UI SC212, rev. 1 and MSC.474(102) respectively

Technical background of amendments

A complete review of IACS Rec.10 dealing with mooring, anchoring and towing equipment has been undertaken by IACS, with Rec. 10, rev. 5 now included as a referent guidance in the Rules.

Amendments to SOLAS Ch. II-1, Reg. 3-8 have been adopted by Res. MSC.474(102) and coming into force on 1 January 2024. Additionally, Guidelines on the Design of Mooring Arrangements and the Selection of Appropriate Mooring Equipment and Fittings for Safe Mooring (MSC.1/Circ.1619), Guidelines for Inspection and Maintenance of Mooring Equipment Including Lines (MSC.1/Circ.1620), and Revised Guidance on Shipboard Towing and Mooring Equipment (MSC.1/Circ.1175/Rev.1), were adopted.
As a consequence, IACS completely revised its UI SC212 as rev. 1 to address the requirements specified in the aforementioned IMO circulars. Accordingly, relevant requirements for new ships are amended within the Rules, as follows:
.1 for which the building contract is placed on or after 1 January 2024; or
.2 in the absence of a building contract, the keel of which is laid, or which is at a similar stage of construction on or after 1 July 2024; or
.3 the delivery of which is on or after 1 January 2027;
requirements for towing and mooring equipment under SOLAS Reg. II-1/3-8, and as adopted by IMO Res. MSC.474(102) shall apply, and compliance to MSC.1/Circ.1175/Rev.1 and MSC.1/Circ.1619 required.
Separate requirements are imposed for ships of less than 3,000 GT and for ships of 3,000 GT and above.

Effective Date and Application

IACS Rec. 10, rev. 5 should be applied as a referent guidance from 1 January 2024

IACS UI SC212, rev. 1 and IMO MSC.474(102), respectively as regard new ships are to be applied from 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 4 - STABILITY

Rules to be updated
Rules for the classification of ships, Part 4 - Stability

Type of amendments
Rules shall be published as amendments No. 1 to July 2023 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IMO MSC.474(102) – Amendments to SOLAS Ch II-1 - Construction – Structure, Subdivision and Stability, Machinery and Electrical Installations

Effective Date and Application

Reference to the requirements stated in IMO MSC.474(102) is applicable from 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 5 - SUBDIVISION

Rules to be updated
Rules for the classification of ships, Part 5 - Subdivision

Type of amendments
Rules shall be published as amendments No. 3 to January 2020 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IMO MSC.474(102) – Amendments to SOLAS Ch II-1 - Construction – Structure, Subdivision and Stability, Machinery and Electrical Installations
IMO MSC.429(98)/Rev.1 - Revised Explanatory Notes to the SOLAS Chapter II-1 Subdivision and Damage Stability Regulations
IMO MSC.429(98)/Rev.2 - Revised Explanatory Notes to the SOLAS Chapter II-1 Subdivision and Damage Stability Regulations
IMO MEPC.343(78) - Amendments to MARPOL Annex I (Watertight doors)

Description of the main changes within the Rules

Head 2.1 APPLICATION, Head 2.2 DEFINITIONS, Head 2.4 REQUIRED SUBDIVISION INDEX R, Head 2.7 CALCULATION OF THE FACTOR s_i, Head 2.13 INTERNAL WATERTIGHT INTEGRITY OF PASSENGER SHIPS ABOVE THE BULKHEAD DECK, Head 2.14 INTEGRITY OF THE HULL AND SUPERSTRUCTURE, DAMAGE PREVENTION AND CONTROL ON RO-RO PASSENGER SHIPS, Head 2.16 DAMAGE CONTROL INFORMATION, Head 2.17 PERIODICAL OPERATION AND INSPECTION OF WATERTIGHT DOORS, ETC., IN PASSENGER SHIPS, Head 2.18 PREVENTION AND CONTROL OF WATER INGRESS, ETC., and Head 2.19 SPECIAL REQUIREMENTS FOR RO-RO PASSENGER SHIPS - have been amended to include requirements from IMO MSC.474(102) and IMO MSC.429(98)/Rev.1

Head 9.3 DAMAGE STABILITY CRITERIA - has been amended to include reference to IMO Res. MEPC.343(78)

Technical background of amendments

IMO MSC. 474(102) amended SOLAS, Ch. II-1, Part B-1 – Stability, Part B-2 - Subdivision, watertight and weathertight integrity and Part B-4 - Stability management.
Subject amendments align the design criteria for watertight integrity in parts B-2 to B-4 with the probabilistic damage stability approach in parts B and B-1. Requirements on valves installed on collision bulkheads introduced. Requirements with regard to safety centre and location of the central operating console on passenger ships introduced. Various regulations regarding doors and hatches above the bulkhead deck that might be allowed to be open during navigation have been changed. Subject amendments address inter alia assumptions regarding progressive flooding, valves in the collision bulkhead and watertight doors.
Subject amendments apply to new ships constructed on after 1 January 2024, i.e.:
- Ships for which the building contract is placed on or after 1 January 2024; or
- Ships, in the absence of a building contract, the keel of which is laid, or which are at a similar stage of construction on or after 1 July 2024; or
- Ships the delivery of which is on or after 1 January 2028.

Additional amendments to regulations on subdivision and damage stability have been introduced by adopting MSC.429(98)/Rev.2 as consolidated revised explanatory notes.
MSC.429(98) has been revoked.
MSC.429(98)/Rev.2 revokes MSC.429(98)/Rev.1 on 1 January 2024.

Amendments to MARPOL Annex I were adopted by IMO MEPC.343(78). Regulation 28 – Subdivision and damage stability, Para. 3.1 is replaced by the following requirements to include watertight doors:
.1 The final waterline, taking into account sinkage, heel and trim, shall be below the lower edge of any opening through which progressive flooding may take place. Such openings shall include air pipes and those which are closed by means of weathertight doors or hatch covers and may exclude those openings closed by means of watertight manhole covers and flush scuttles, small watertight cargo tank hatch covers which maintain the high integrity of the deck, remotely operated sliding watertight doors, hinged watertight access doors with open/closed indication locally and at the navigation bridge, of the quick-acting or single-action type that are normally closed at sea, hinged watertight doors that are permanently closed at sea, and sidescuttles of the non-opening type

Effective Date and Application

Requirements deriving from IMO MSC.474(102) are to be applied from 1 January 2024

Requirements deriving from IMO MEPC.343(78) are to be applied from 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 9 - MACHINES

Rules to be updated
Rules for the classification of ships, Part 9 - Machines

Type of amendments
Rules published as amendments No. 3 to July 2022 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IACS UR M63 (rev. 1, Jan. 2023) – Alarms and safeguards for emergency reciprocating I.C. engines
IACS UR M77 (rev. 4, Feb. 2023) – Storage and use of SCR reductants

Description of the main changes within the Rules

Head 2.15 INTERNAL COMBUSTION ENGINES DRIVING A GENERATOR FOR EMERGENCY SOURCE OF ELECTRICAL POWER – has been amended to include requirements contained in IACS UR M63, Rev.1, Jan 2023

ANNEX B STORAGE AND USE OF SCR REDUCTANTS, Head 1 GENERAL - has been amended to include requirements contained in IACS UR M77, Rev.4, Feb 2023

Technical background of amendments

IACS UR M63 prescribes requirements related to alarms and safeguards for reciprocating internal combustion engines driving emergency generators, while IACS UR M35 and UR M36 prescribe relevant requirements for reciprocating internal combustion engines installed in unattended machinery spaces.
Subject rev. 1 of UR M63 removes inconsistences in wording and gives other appropriate clarifications (e.g. term “diesel engine” is replaced with “reciprocate I.C. engine”

IACS UR M77 specifies requirements related to the storage and use of reductants for selective catalytic reduction (SCR) systems.
IACS considered whether this UR should be applicable to small capacity tanks (service tanks, buffer tanks, etc.) handling reducing agents. It has been concluded that.
Subject rev. 4 of UR M77 includes clarification of the relevant tank capacity, with the requirements for the tanks of less than 500 l using urea-based ammonia as a reductant agent (i.e. small capacity tanks like service tanks, buffer tanks, etc. handling reducing agents) left to the discretion of individual classification societies.
In addition, the requirements for SCR systems, exhaust gas cleaning systems (EGCS) and exhaust gas recirculation (EGR) were reviewed due to some unclear points, and relevant requirements have also been amended

Effective Date and Application

IACS UR M63, rev. 1 applies to ships constructed on or after 1 January 2024

IACS UR M77, rev. 4 applies to the storage tank of SCR reductants:

i) when an application for installation, i.e. submission date of plans, is made on or after 1 January 2024; or
ii) which is installed in ships contracted for construction on or after 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 12 – ELECTRICAL EQUIPMENT

Rules to be updated
Rules for the classification of ships, Part 12 – Electrical equipment

Type of amendments
Rules published as amendments No. 1 to July 2023 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IMO MSC.474(102) – Amendments to SOLAS Ch. II-1, Construction, Structure, Subdivision and Stability, Machinery and Electrical Installations, Regulation 42 – Emergency source of electrical power in passenger ships

Effective Date and Application

Reference to the requirements stated in IMO MSC.474(102) is applicable from 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 17 – FIRE PROTECTION

Rules to be updated
Rules for the classification of ships, Part 17 – Fire protection

Type of amendments
Rules published as amendments No. 4 to January 2022 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IACS UI SC120 (Rev. 2, corr. Oct. 2023) – Interpretation of SOLAS regulation II-2/4.5.2.1 and 4.5.2.2, IBC Code paragraph 3.2.3 and 1983 IGC Code paragraph 3.2.4 (Resolution MSC.5(48), as amended by resolution MSC.306(61))
IACS Rec. 131 (Rev. 1, Nov. 2023) - Guidelines for application of SOLAS Ch. II-2 Reg. 4.5.7.3.2 for accepting a constant operative inerting systems (COIS) as an alternative to fixed hydrocarbon gas detection equipment in double hull and double-bottom spaces on oil tankers
IMO MSC.4571(101) – Amendments to FSS Code, Ch. 15 - Inert Gas Systems
IMO MSC.484(103) – Amendments to FSS Code, Ch. 9 - Fixed Fire Detection and Fire Alarm Systems
IMO MSC.1/Circ.1276/Rev.1 – Revised unified interpretations of SOLAS Ch. II-2
IMO MSC.1/Circ.1395/Rev.6 – Lists of solid bulk cargoes for which a fixed gas fire-extinguishing system may be exempted or for which a fixed gas fire-extinguishing system is ineffective
IMO MSC.1/Circ.1430/Rev.3 – Revised guidelines for the design and approval of fixed water-based fire-fighting systems for ro-ro spaces and special category spaces

Description of the main changes within the Rules

Head 4.5 CARGO AREAS OF TANKERS - Item 4.5.2.1 has been amended with reference to IACS UI SC 120 Rev.2 Corr.2
Item 4.5.2.2 has been amended with reference to IACS UI SC 120 Rev.2 Corr.2
Item 4.5.7.3.1 has been amended (reference to IACS Rec. No.131 Rev.1 included)
Item 4.5.7.3.2 has been amended (reference to IACS Rec. No.131 Rev.1 included)

Head 10.5 FIRE-EXTINGUISHING ARRANGEMENTS IN MACHINERY SPACES - Item 10.5.6.2 has been amended with reference to MSC.1/Circ.1276/Rev.1

Head 10.7 FIRE-EXTINGUISHING ARRANGEMENTS IN CARGO SPACES - Item 10.7.1.4 has been amended with reference to MSC.1/Circ.1395/Rev.6

Head 20.6 FIRE EXTINCTION - Item 20.6.1.3 has been amended with reference to MSC.1/Circ.1430 Rev.3

Head 24.7 FIXED PRESSURE WATER-SPRAYING AND WATER-MIST FIRE-EXTINGUISHING SYSTEM - Item 24.7.2.4 has been amended with reference to MSC.1/Circ.1430 Rev.3

Head 24.9 FIXED FIRE DETECTION AND FIRE ALARM SYSTEMS - Item 24.9.2.1.8 is added (reference to resolution MSC.484(103) included)

Head 24.15 INERT GAS SYSTEMS - Item 24.15.2.2.3.2 has been amended (reference to resolution MSC.457(101) included)

Item 24.15.2.2.4.2 has been amended (reference to resolution MSC.457(101) included)

ANNEX 4 - MSC.1/Circ. 1395/Rev.6 included

ANNEX 5 - Table 1-1 NOTE No. 6 has been amended with reference to MSC.1/Circ.1430 Rev.3

Technical background of amendments

IACS UI SC120, rev. 2, corr. 1 prescribes interpretation of SOLAS regulations II-2/4.5.2.1 and 4.5.2.2, IBC Code paragraph 3.2.3 and 1983 IGC Code paragraph 3.2.4 (Resolution MSC.5(48) as amended by resolution MSC.30(61)). Interpretations to 1983 IGC Code contained in UI SC120 are irrelevant to CRS as CRS does not provide certification of gas carriers by default

IACS Rec. 131, rev. 1 gives guidelines for application of SOLAS Ch.II-2 Reg. 4.5.7.3.2 for accepting a constant operative inerting systems (COIS) as an alternative to fixed hydrocarbon gas detection equipment in double hull and double-bottom spaces on oil tankers

IMO MSC.457(101) provides AMENDMENTS TO THE INTERNATIONAL CODE FOR FIRE SAFETY SYSTEMS (FSS CODE) FSS Code, Ch. 15, paras: 2.2.3.2.1, 2.2.3.2.6 and 2.2.4.2.1 (inert gas system)
The inert gas main may be divided into two or more branches downstream of the non-return devices required by paragraph 2.2.3.1 of the Code.
Arrangements shall be provided to enable the inert gas main to be connected to an external supply of inert gas. The arrangements shall consist of a 250 mm nominal pipe size bolted flange, isolated from the inert gas main by a valve and located downstream of the non-return valve. The design of the flange should conform to the appropriate class in the standards adopted for the design of other external connections in the ship's cargo piping system.

IMO MSC.484(103) includes amendments to Chapter 9 of the FSS Code. Requirements relating to fault isolation requirements for individually identifiable fire detector systems installed, in lieu of section identifiable fire detector systems on cargo ships and passenger ship cabin balconies are introduced.
Clarification of the acceptability of less complex and costly section identifiable fault isolation for individually identifiable fire detector systems is introduced.

Effective Date and Application

IACS UI SC120, rev. 2, corr. 1 is only applicable to gas carriers constructed on or after 1 July 1986 but before 1 July 2016

IACS Rec. 131, rev. 1 applies from 1 January 2204

Reference to the requirements stated in MSC.457(101) applies to ships with inert gas system fitted and is applicable from 1 January 2024

MSC.484(103) applies to ships the keels of which are laid, or which are at a similar stage of construction, on or after 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 28 – HIGH-SPEED CRAFT

Rules to be updated
Rules for the classification of ships, Part 28 – High-speed craft

Type of amendments
Rules published as amendments No. 3 to January 2020 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IMO MSC.499(105) – Revision of Chapter 8 and Chapter 14

Description of the main changes within the Rules

Head 8.2 COMMUNICATIONS - Items 8.2.1, 8.2.1.1 and 8.2.1.2 are replaced by blank paragraph 8.2.1 to avoid renumbering of existing paragraphs

SECTION 14 RADICOMMUNICATIONS - Entire text within this Section is replaced with text from IMO Res. MSC.499(105

Technical background of amendments

Chapter 14 of the 2000 HSC Code has been changed in order to align with the revised/re-written Chapter IV of the SOLAS

Effective Date and Application

Reference to the requirements stated in IMO MSC.499(105) is applicable from 1 January 2024

RULES UPDATING - DESCRIPTION OF MAIN CHANGES

RULES FOR THE CLASSIFICATION OF SHIPS
Part 33 – SHIPS USING GASES OR OTHER LOW-FLASHING FUEL

Rules to be updated
Rules for the classification of ships, Part 33 – Ships using gases or other low-flashing fuel

Type of amendments
Rules published as amendments No. 3 to July 2022 edition

Foreseen date of coming into force
1 January 2024

Basis for rules update (technical background)
IACS UI GF13 (Rev. 1, May 2023) - Fire protection of spaces containing equipment for the fuel preparation
IMO MSC.475(102) - Amendments to the International Code of Safety for Ships Using Gases or Other Low-Flashpoint Fuels (IGF Code)
IMO MSC.1/Circ.1622 - Guidelines for the Acceptance of Alternative Metallic Materials for Cryogenic Service in Ships Carrying Liquefied Gases in Bulk and Ships Using Gases or Other Low-Flashpoint Fuels

Description of the main changes within the Rules

Head 1.1 GENERAL - Item 1.2.1 has been amended because of implementation of Resolution MSC.475(102) - Amendments to the International Code of Safety for Ships using Gases or Other Low-Flashpoint Fuels (IGF Code)

Head 6.7 REGULATIONS FOR PRESSURE RELIEF SYSTEM - Item 6.7.1.1 has been amended because of implementation of Resolution MSC.475(102) - Amendments to the International Code of Safety for Ships using Gases or Other Low-Flashpoint Fuels (IGF Code)

Head 7.4 REGULATIONS FOR MATERIALS - Item 7.4.1.1 has been amended with references to respective additional requirements for Charpy V-notch impact test specified in relevant Tables in Annex 4 of this Rules, to have clear cross references in both parts of the Rules
New sub item C7.4.1.7 is added after sub-item C7.4.1.6 and table C7.4.1, because of reference to IMO Circ. MSC.1/Circ.1622 - Guidelines for the acceptance of alternative metallic materials for cryogenic service in ships carrying liquefied gases in bulk and ships using gases or other low-flashpoint fuels

Head 11.3 REGULATIONS FOR FIRE PROTECTION - Item 11.3.1 has been amended because of revised reference to UI GF13 (Rev.1 May 2023) - Fire protection of spaces containing equipment for the fuel preparation, within which existing interpretation no. 2 is changed to: “2. Notwithstanding interpretation 1, any enclosed spaces containing equipment for fuel preparation such as pumps or compressors or other potential ignition sources are to comply with regulation 11.8 of the IGF Code as amended by Resolution MSC.475(102)”

Head 11.8 REGULATION FOR FUEL PREPARATION ROOM FIRE-EXTINGUISHING SYSTEMS - New Head 11.8 is added after existing Head 11.7 because of implementation of Resolution MSC.475(102) - Amendments to the International Code of Safety for Ships using Gases or Other Low-Flashpoint Fuels (IGF Code)

Head 16.3 WELDING OF METALLIC MATERIALS AND NON-DESTRUCTIVE TESTING FOR THE FUEL CONTAINMENT SYSTEM - Item 16.3.3.5.1 has been amended because of implementation of Resolution

MSC.475(102) - Amendments to the International Code of Safety for Ships using Gases or Other Low-Flashpoint Fuels (IGF Code)

Technical background of amendments

Although the IGF Code is intended to apply to newly constructed ships using low-flashpoint fuels, it has been reviewed and recently amended to provide additional interpretations and make other changes as deemed necessary by MSC.458(101), MSC.475(102), with IACS UI GF13 accordingly amended as rev. 1.

MSC.475(102) include amendments to IGF Code in PART A-1 SPECIFIC REQUIREMENTS FOR SHIPS USING NATURAL GAS AS FUEL, 6 – FUEL CONTAINMENT SYSTEM, 11 – FIRE SAFETY and PART B-1, 16 – MANUFACTURE, WORKMANSHIP AND TESTING

MSC.1/Circ.1622 provides Guidelines for the Acceptance of Alternative Metallic Materials for Cryogenic Service in Ships Carrying Liquefied Gases in Bulk and Ships Using Gases or Other Low-Flashpoint Fuels

Effective Date and Application

UI GF13, rev. 1 applies to ships constructed on or after 1 January 2024 as defined in paragraph 2.2.42 of the IGF Code

Reference to the requirements stated in IMO MSC.475(102) is applicable from 1 January 2024

Reference to the requirements stated in IMO MSC.1/Circ.1622 is applicable from 1 January 2024