

Amendment on 27 June 2024

Resolved by Technical Committee on 30 January 2024

Changes in the Affixation of Class Notation to Ships Using Low-flashpoint Fuels

Object of Amendment

Rules for the Survey and Construction of Steel Ships Part A
Rules for Marine Pollution Prevention Systems
Rules for High Speed Craft
Rules for the Survey and Construction of Passenger Ships
Rules for the Survey and Construction of Inland Waterway Ships
Guidance for the Classification and Registry of Ships
Guidance for the Survey and Construction of Steel Ships Part A

Reason for Amendment

Part GF of the Rules for the Survey and Construction of Steel Ships specifies requirements for ships using low-flashpoint fuels.

Although these requirements include ones related to the affixation of relevant class notations to the classification characters of such ships, there are no requirements specifying class notation for ships using alternative fuels (e.g. LNG, LPG and methanol) even the number of ships using such fuels has been increasing in recent years and is only expected to further increase in the future as the usage of such fuels becomes more commonplace.

Accordingly, relevant requirements are amended to specify class notation that clearly indicates the type of fuel being used so as make the application of NK Rules more convenient for such ships.

In addition, relevant requirements are also amended for ships carrying liquefied gases in bulk, which are subject to Part N of the Rules for the Survey and Construction of Steel Ships and which use cargo as fuel.

Outline of the Amendment

Specifies that the type of fuel being used is to be listed as supplementary information the ship class notation for ships using the low-flashpoint fuels subject to Part GF of the Rules for the Survey and Construction of Steel Ships, and for ships carrying liquefied gases in bulk subject to Part N of the Rules for the Survey and Construction of Steel Ships that use cargo as fuel. In addition, reorganises other relevant requirements as needed.

Effective Date and application

- (1) Rules for Marine Pollution Prevention Systems and Guidance for the Classification and Registry of Ships
Effective date of this amendment is 1 July 2024.
- (2) Other than (1) above
This amendment applies to ships for which the completion of Classification Survey or

Special Survey is on or after 1 July 2024.

ID: DD23-29

An asterisk (*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

Amended-Original Requirements Comparison Table
(Changes in the Affixation of Class Notation to Ships Using Low-flashpoint Fuels)

Amended	Original	Remarks
<p style="text-align: center;">RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p style="text-align: center;">Part A GENERAL RULES</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.4 Hull Construction and Equipment, etc.* (-1 to -31 are omitted.)</p> <p>32 For ships complying with the provisions of Part GF, the notation of “<u>Gas or Low-flashpoint Fuel</u>” (abbreviated to <u>GLF</u>) is affixed to the Classification Characters, <u>and kind of fuel being used is listed after GLF and slash.</u></p> <p>33 For ships complying with the provisions of Chapter 16, Part N, the notation of “<u>Cargo as Fuel</u>” (abbreviated to <u>CF</u>) is affixed to the Classification Characters, <u>and kind of fuel being used is listed after CF and slash.</u></p> <p>34 For ships having a propeller shaft Kind 1C complying with the provisions of 6.2.11, Part D, the notation of “<u>1C</u>” is affixed to the Classification Characters.</p> <p>35 The notation “<u>LiBattery</u>” (abbreviated to <u>LiB</u>) is to be affixed to the Classification Characters of ships complying with 2.11.1-2, Chapter 2, Part H.</p>	<p style="text-align: center;">RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p style="text-align: center;">Part A GENERAL RULES</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.4 Hull Construction and Equipment, etc.* (-1 to -31 are omitted.)</p> <p>32 For ships complying with the provisions of Part GF, the notation of “<u>Equipped for Use of Low-flashpoint Fuels</u>” (abbreviated to <u>EQ U LFF</u>) is affixed to the Classification Characters. <u>Details of the used fuel are to be entered in the Classification Register as descriptive notes for the ship.</u> (Newly added)</p> <p>33 For ships having a propeller shaft Kind 1C complying with the provisions of 6.2.11, Part D, the notation of “<u>1C</u>” is affixed to the Classification Characters.</p> <p>34 The notation “<u>LiBattery</u>” (abbreviated to <u>LiB</u>) is to be affixed to the Classification Characters of ships complying with 2.11.1-2, Chapter 2, Part H.</p>	

Amended-Original Requirements Comparison Table
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Amended	Original	Remarks
<p>36 Unless otherwise specified above, for ships deemed necessary by the Society, an appropriate notation may be affixed to the Classification Characters.</p> <p style="text-align: center;">EFFECTIVE DATE AND APPLICATION</p> <ol style="list-style-type: none"> 1. The effective date of the amendments is 1 July 2024. 2. Notwithstanding the amendments to the Rules, the current requirements apply to ships other than ships for which Classification Survey is completed on or after the effective date. 3. Notwithstanding the provision of preceding 2., the amendments to the Rules may apply to ships other than ships for which Classification Survey or Renewal Survey is completed on or after the effective date upon request by the owner. 	<p>35 Unless otherwise specified above, for ships deemed necessary by the Society, an appropriate notation may be affixed to the Classification Characters.</p>	

Amended-Original Requirements Comparison Table
(Changes in the Affixation of Class Notation to Ships Using Low-flashpoint Fuels)

Amended	Original	Remarks
<p style="text-align: center;">RULES FOR MARINE POLLUTION PREVENTION SYSTEMS</p> <p style="text-align: center;">Part 1 GENERAL</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.1 General</p> <p>1.1.4 Class Notations (-1 to -3 are omitted.)</p> <p>4 Based on 2.1.3-2 of the Rules for the Classification and Registry of Ships, “<i>Sulphur Oxides(Exhaust Gas Cleaning System)</i>” (abbreviated as “<i>SO_x(EGCS)</i>”) is to be affixed to the classification characters of ships provided with <u>Exhaust gas cleaning systems approved by the Administration as an alternative specified in 1.1.3, Part 8 that comply with Chapter 22, Part D of the Rules for the Survey and Construction of Steel Ships</u>, and that comply with the requirements related to sulphur content specified in -1 or -2 of 1.2.2-1, Part 8, or that are compliance methods at least equivalent to those complying with such requirements. <u>The purposes of machinery fitted with such systems are to be entered into the Classification Register as descriptive notes for the ship.</u></p> <p>(Deleted)</p>	<p style="text-align: center;">RULES FOR MARINE POLLUTION PREVENTION SYSTEMS</p> <p style="text-align: center;">Part 1 GENERAL</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.1 General</p> <p>1.1.4 Class Notations (-1 to -3 are omitted.)</p> <p>4 Based on 2.1.3-2 of the Rules for the Classification and Registry of Ships, “<i>Sulphur Oxides</i>” (abbreviated as “<i>SO_x</i>”) is to be affixed to the classification characters of ships provided with <u>the following (1) and/or (2) that comply with the requirements related to sulphur content specified in -1 or -2 of 1.2.2-1, Part 8</u>, or that are compliance methods at least equivalent to those complying with such requirements. <u>The notations referred to in (1) and (2) below are listed in parentheses after SO_x according to the provided arrangement/system. Details of the fuel referred to in (1) below as well as the purposes of machinery using the fuel referred to in (1) below and machinery fitted with the systems referred to in (2) below are to be entered in the Classification Register as descriptive notes for the ship.</u></p> <p>(1) <u>Arrangements for using the low-flashpoint fuel referred to in 2.2.1-28, Part GF of the Rules for the Survey and Construction of Steel Ships that comply with Chapter 16,</u></p>	

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<p>(Deleted)</p> <p>EFFECTIVE DATE AND APPLICATION</p> <p>1. The effective date of the amendments is 1 July 2024.</p>	<p><u>Part N of the Rules for the Survey and Construction of Steel Ships</u> or comply with <u>Part GF of the Rules for the Survey and Construction of Steel Ships:</u> <u>“Low-Flashpoint Fuel”</u> (abbreviated as <u>“LFF”</u>)</p> <p>(2) Exhaust gas cleaning systems approved by the Administration as an alternative specified in <u>1.1.3, Part 8</u> that comply with <u>Chapter 22, Part D of the Rules for the Survey and Construction of Steel Ships:</u> <u>“Exhaust Gas Cleaning System”</u> (abbreviated as <u>“EGCS”</u>)</p>	

Amended-Original Requirements Comparison Table
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Amended	Original	Remarks
<p style="text-align: center;">RULES FOR HIGH SPEED CRAFT</p> <p style="text-align: center;">Part 1 GENERAL RULES</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.4 Hull Construction and Equipment, etc. (-1 to -6 are omitted.)</p> <p>7 <u>Craft</u> complying with the requirements of Part GF of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.8 <u>are to be in accordance with the requirements of 1.2.4-32, Part A of the Rules for the Survey and Construction of Steel Ships.</u></p> <p>8 For <u>craft</u> having a propeller shaft Kind 1C complying with the provisions of 5.1.9, Part 9, the notation of “1C” is affixed to the Classification Characters.</p> <p>9 Otherwise specified in the above, for craft where deemed necessary by the Society, an appropriate notation may be affixed to the Classification Characters.</p>	<p style="text-align: center;">RULES FOR HIGH SPEED CRAFT</p> <p style="text-align: center;">Part 1 GENERAL RULES</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.4 Hull Construction and Equipment, etc. (-1 to -6 are omitted.)</p> <p>7 <u>For crafts</u> complying with the requirements of Part GF of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.8, <u>the notation of “Equipped for Use of Low-flashpoint Fuels” (abbreviated to EO U LFF) is affixed to the Classification Characters. Details of the used fuel are to be entered in the Classification Register as descriptive notes for the craft.</u></p> <p>8 For <u>ships</u> having a propeller shaft Kind 1C complying with the provisions of 5.1.9, Part 9, the notation of “1C” is affixed to the Classification Characters.</p> <p>9 Otherwise specified in the above, for craft where deemed necessary by the Society, an appropriate notation may be affixed to the Classification Characters.</p>	

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Amended	Original	Remarks
<p style="text-align: center;">EFFECTIVE DATE AND APPLICATION</p> <ol style="list-style-type: none"> 1. The effective date of the amendments is 1 July 2024. 2. Notwithstanding the amendments to the Rules, the current requirements apply to ships other than ships for which Classification Survey is completed on or after the effective date. 3. Notwithstanding the provision of preceding 2., the amendments to the Rules may apply to ships other than ships for which Classification Survey or Renewal Survey is completed on or after the effective date upon request by the owner. 		

Amended-Original Requirements Comparison Table
(Changes in the Affixation of Class Notation to Ships Using Low-flashpoint Fuels)

Amended	Original	Remarks
<p style="text-align: center;">RULES FOR THE SURVEY AND CONSTRUCTION OF PASSENGER SHIPS</p> <p style="text-align: center;">Part 1 GENERAL</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.4 Hull Construction and Equipment, etc.* (-1 to -6 are omitted.)</p> <p>7 <u>Ships complying with the requirements of Part GF of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.6 are to be in accordance with the requirements of 1.2.4-32, Part A of the Rules for the Survey and Construction of Steel Ships.</u></p> <p>8 For ships having a propeller shaft Kind 1C complying with the provisions of 6.2.11, Part D of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.1-3, Part 5, the notation of “1C” is affixed to the Classification Characters.</p> <p>9 Otherwise specified in the above, for ships where deemed necessary by the Society, an appropriate notation may be affixed to the Classification Characters.</p>	<p style="text-align: center;">RULES FOR THE SURVEY AND CONSTRUCTION OF PASSENGER SHIPS</p> <p style="text-align: center;">Part 1 GENERAL</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.4 Hull Construction and Equipment, etc.* (-1 to -6 are omitted.)</p> <p>7 <u>For ships complying with the requirements of Part GF of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.6, the notation of “<i>Equipped for Use of Low-flashpoint Fuels</i>” (abbreviated to <i>EQ U LFF</i>) is affixed to the Classification Characters. Details of the used fuel are to be entered in the Classification Register as descriptive notes for the ship.</u></p> <p>8 For ships having a propeller shaft Kind 1C complying with the provisions of 6.2.11, Part D of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.1-3, Part 5, the notation of “1C” is affixed to the Classification Characters.</p> <p>9 Otherwise specified in the above, for ships where deemed necessary by the Society, an appropriate notation may be affixed to the Classification Characters.</p>	

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<p style="text-align: center;">EFFECTIVE DATE AND APPLICATION</p> <ol style="list-style-type: none"> 1. The effective date of the amendments is 1 July 2024. 2. Notwithstanding the amendments to the Rules, the current requirements apply to ships other than ships for which Classification Survey is completed on or after the effective date. 3. Notwithstanding the provision of preceding 2., the amendments to the Rules may apply to ships other than ships for which Classification Survey or Renewal Survey is completed on or after the effective date upon request by the owner. 		

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<p style="text-align: center;">RULES FOR THE SURVEY AND CONSTRUCTION OF INLAND WATERWAY SHIPS</p> <p style="text-align: center;">Part 1 GENERAL RULES</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.3 Hull Construction and Equipment (-1 to -4 are omitted.)</p> <p>5 Ships complying with the requirements of Part GF of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.8 are to be in accordance with the requirements of 1.2.4-32, Part A of the Rules for the Survey and Construction of Steel Ships.</p> <p>6 Other special notation may be affixed in cases where deemed necessary by the Society.</p>	<p style="text-align: center;">RULES FOR THE SURVEY AND CONSTRUCTION OF INLAND WATERWAY SHIPS</p> <p style="text-align: center;">Part 1 GENERAL RULES</p> <p style="text-align: center;">Chapter 1 GENERAL</p> <p>1.2 Class Notations</p> <p>1.2.3 Hull Construction and Equipment (-1 to -4 are omitted.)</p> <p>5 For ships complying with the requirements of Part GF of the Rules for the Survey and Construction of Steel Ships applied in accordance with the requirements of 1.1.8, the notation of “<i>Equipped for Use of Low-flashpoint Fuels</i>” (abbreviated to <i>EQ U LFF</i>) is affixed to the Classification Characters. Details of the used fuel are to be entered in the Classification Register as descriptive notes for the ship.</p>	

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<p style="text-align: center;">EFFECTIVE DATE AND APPLICATION</p> <ol style="list-style-type: none"> 1. The effective date of the amendments is 1 July 2024. 2. Notwithstanding the amendments to the Rules, the current requirements apply to ships other than ships for which Classification Survey is completed on or after the effective date. 3. Notwithstanding the provision of preceding 2., the amendments to the Rules may apply to ships other than ships for which Classification Survey or Renewal Survey is completed on or after the effective date upon request by the owner. 		

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Amended	Original	Remarks
<p style="text-align: center;">GUIDANCE FOR THE CLASSIFICATION AND REGISTRY OF SHIPS</p> <p style="text-align: center;">Chapter 2 CLASSIFICATION OF SHIPS</p> <p>2.1 Classification</p> <p>2.1.3 Class Notations (-1 and -2 are omitted.)</p> <p>3 The notations referred to in 2.1.3-2 of the Regulations for the Classification and Registry of Ships are affixed to Classification Characters according to the following (1) and (2).</p> <p>(1) Based on the applications received from owners, the notations referred to in (a) to (i) are affixed to Classification Characters for the following ships according to the Guidelines issued separately by the Society or other guidelines deemed appropriate by the Society. ((a) to (g) are omitted.)</p> <p>(h) <u>Ships whose Energy Efficiency Design Index satisfies a required value calculated using a phase reduction factor which is stricter than the phase to be applied are to be in accordance with 1.1.4-1, Part 1 of the Rules for Marine Pollution Prevention Systems.</u></p>	<p style="text-align: center;">GUIDANCE FOR THE CLASSIFICATION AND REGISTRY OF SHIPS</p> <p style="text-align: center;">Chapter 2 CLASSIFICATION OF SHIPS</p> <p>2.1 Classification</p> <p>2.1.3 Class Notations (-1 and -2 are omitted.)</p> <p>3 The notations referred to in 2.1.3-2 of the Regulations for the Classification and Registry of Ships are affixed to Classification Characters according to the following (1) and (2).</p> <p>(1) Based on the applications received from owners, the notations referred to in (a) to (i) are affixed to Classification Characters for the following ships according to the Guidelines issued separately by the Society or other guidelines deemed appropriate by the Society. ((a) to (g) are omitted.)</p> <p>(h) <u>Ships that have taken particular measures for energy efficiency (Ships whose Energy Efficiency Design Index satisfies a required value calculated using a phase reduction factor which is stricter than the phase to be applied according to 3.4, Part 8 of the Rules for Marine Pollution Prevention Systems; for ro-ro cargo ships and ro-ro passenger ships, however, this requirement only applies in cases where the required EEDI value is stricter): “Energy Efficiency Design</u></p>	

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Amended	Original	Remarks
<p>(i) Other ships deemed necessary by the Society to be affixed with special notation.</p> <p>(2) <u>Equipment for the prevention of air pollution from ships is to be in accordance with 1.1.4-2 to -4, Part 1 of the Rules for Marine Pollution Prevention Systems, if relevant.</u></p>	<p><u>Index-phase X” (abbreviated as EEDI-pX in which X refers to the adopted phase)</u></p> <p>(i) Other ships deemed necessary by the Society to be affixed with special notation.</p> <p>(2) <u>The notations referred to in (a) and (b) below are affixed to Classification Characters for the following ships according to 1.1.3, Part 8 of the Rules for Marine Pollution Prevention Systems.</u></p> <p>(a) <u>Ships installed with diesel engines satisfying the maximum allowable NOx emission limit criteria specified in 2.1.2-1(1)(c), Part 8 of the Rules for Marine Pollution Prevention Systems as an emission control measure and which are permitted to operate in NOx emission control areas: “Nitrogen Oxides Emission-Tier III” (abbreviated as “NOx-III”).</u> <u>For ships using selective catalytic reduction systems, exhaust gas recirculation systems, dual fuel engines, gas-only engines or other technologies to satisfy the maximum allowable NOx emission limit criteria specified in 2.1.2-1(1)(c), Part 8 of the Rules for Marine Pollution Prevention Systems, the notations referred to in i) to v) below are listed in parentheses after NOx-III according to the type of equipment, engine or technology installed. The purposes (including the technology used in the case of the engines referred to in v) below) of engines fitted with the systems referred to in i) or ii) below as well as the engines referred to in iii), iv) or v) below are to be entered in the Classification</u></p>	

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	<p><u>Register as descriptive notes for the ship.</u></p> <p>i) <u>Ships using selective catalytic reduction systems:</u> <u><i>Selective Catalytic Reduction</i></u> (abbreviated as “<i>SCR</i>”)</p> <p>ii) <u>Ships using exhaust gas recirculation systems:</u> <u><i>Exhaust Gas Recirculation</i></u> (abbreviated as “<i>EGR</i>”)</p> <p>iii) <u>Ships using dual fuel engines:</u> <u><i>Dual Fuel Engine</i></u> (abbreviated as “<i>DFE</i>”)</p> <p>iv) <u>Ships using gas-only engines:</u> <u><i>Gas-only Engine</i></u> (abbreviated as “<i>GOE</i>”)</p> <p>v) <u>Ships using technologies other than those described in i) to iv) above:</u> <u><i>Other Technologies</i></u> (abbreviated as “<i>Others</i>”)</p> <p>(b) <u>“<i>Sulphur Oxides</i>” (abbreviated as “<i>SO_x</i>”) is to be affixed to the classification characters of ships provided with the following (1) and/or (2) that comply with the requirements related to sulphur content specified in -1 or -2 of 1.2.2, Part 8 of the Rules for Marine Pollution Prevention Systems or that are compliance methods at least equivalent to those complying with such requirements. The notations referred to in i) and ii) below are listed in parentheses after <i>SO_x</i> according to the provided arrangement/system. Details of the fuel referred to in i) below as well as the purposes of machinery using the fuel referred to in i) below and machinery fitted with the systems referred to in ii) below are to be entered in the Classification Register as descriptive notes for the ship.</u></p>	

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Amended	Original	Remarks
<p>4 (Omitted)</p> <p>EFFECTIVE DATE AND APPLICATION</p> <p>1. The effective date of the amendments is 1 July 2024.</p>	<p>i) <u>Arrangements for using the low-flashpoint fuel referred to in 2.2.1-28, Part GF of the Rules for the Survey and Construction of Steel Ships: “Low-Flashpoint Fuel” (abbreviated as “LFF”)</u></p> <p>ii) <u>Exhaust gas cleaning systems approved by the Administration as an alternative specified in 1.1.3, Part 8 of the Rules for Marine Pollution Prevention Systems: “Exhaust Gas Cleaning System” (abbreviated as “EGCS”)</u></p> <p>4 (Omitted)</p>	

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Amended	Original	Remarks
<p style="text-align: center;">GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p style="text-align: center;">Part A GENERAL RULES</p> <p style="text-align: center;">A1 GENERAL</p> <p>A1.2 Class Notations</p> <p>A1.2.4 Hull Construction and Equipment (-1 to -7 are omitted.)</p> <p>8 <u>In applying 1.2.4-32, Part A of the Rules, the kinds of fuels are listed as follows:</u></p> <p>(1) Natural gas used as fuel: “<i>Gas or Low-flashpoint Fuel / Natural Gas</i>” (abbreviated as <i>GLF/NG</i>)</p> <p>(2) Others than (1) above used as fuel: According to “<u>Guidelines for Ships Using Alternative Fuels</u>”</p> <p>9 <u>In applying 1.2.4-33, Part A of the Rules, the kinds of fuels listed as follows:</u></p> <p>(1) Natural gas used as fuel: “<i>Cargo as Fuel / Natural Gas</i>” (abbreviated as <i>CF/NG</i>)</p> <p>(2) Others than (1) above used as fuel: According to “<u>Guidelines for Ships Using Alternative Fuels</u>”</p>	<p style="text-align: center;">GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</p> <p style="text-align: center;">Part A GENERAL RULES</p> <p style="text-align: center;">A1 GENERAL</p> <p>A1.2 Class Notations</p> <p>A1.2.4 Hull Construction and Equipment (-1 to -7 are omitted.)</p> <p>(Newly added)</p> <p>(Newly added)</p>	

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<p style="text-align: center;">EFFECTIVE DATE AND APPLICATION</p> <ol style="list-style-type: none"> 1. The effective date of the amendments is 1 July 2024. 2. Notwithstanding the amendments to the Guidance, the current requirements apply to ships other than ships for which Classification Survey is completed on or after the effective date. 3. Notwithstanding the provision of preceding 2., the amendments to the Guidance may apply to ships other than ships for which Classification Survey or Renewal Survey is completed on or after the effective date upon request by the owner. 		