

# Draft amendments of the Rules for the Classification of Steel Ships

(Part 1 Classification and Surveys)

(for external opinion inquiry)



Jan. 2024

Hull Rule Development Team

## - Main Amendments -

(1) Effective date : 1 July 2024 (For ships contracted for construction)

● Reflection and follow-up of IACS UI SC299(New July 2023)

- New requirements of any penetration used for the passage of heat-sensitive piping systems through a watertight bulkhead or deck on a passenger ship have been added.

(2) Effective date : 1 Jan. 2025 (For ships contracted for construction)

● IACS UR L2(Rev.3 Nov 2023) reflected

- The UR L2 of 2013 was updated with respect to the amendments made to 2008 INTACT Stability Code.

**(1) Effective date : 1 July 2024**

(For ships contracted for construction)

Present	Amendment	Note
<p style="text-align: center;"><b>CHAPTER 1 CLASSIFICATION</b></p> <p style="text-align: center;">Section 1 ~ Section 2 &lt;omitted&gt;</p> <p><b>Section 3 Classification Survey during Construction (2022)</b></p> <p>301. ~ 305. &lt;omitted&gt;</p> <p><b>306. Tests</b> [See Guidance]</p> <p>In the Classification Survey during Construction, hydrostatic, watertight and performance tests are to be carried out in accordance with the relevant part of the Rules. Also the control systems and measuring device after installation are to receive the necessary tests, as deemed necessary by the Society. <u>In addition, the survey of watertight cable penetrations(bulkheads and decks) is to be in accordance with the following. (2021)</u></p> <p><b>1. Surveys of Watertight Cable Transits (2021) &lt;omitted&gt;</b> <u>&lt;newly added&gt;</u></p>	<p style="text-align: center;"><b>CHAPTER 1 CLASSIFICATION</b></p> <p style="text-align: center;">Section 1 ~ Section 2 &lt;same as the current Rule&gt;</p> <p><b>Section 3 Classification Survey during Construction (2022)</b></p> <p>301. ~ 305. &lt;same as the current Rules&gt;</p> <p><b>306. Tests</b> [See Guidance]</p> <p>In the Classification Survey during Construction, hydrostatic, watertight and performance tests are to be carried out in accordance with the relevant part of the Rules. Also the control systems and measuring device after installation are to receive the necessary tests, as deemed necessary by the Society. In addition, the survey of watertight cable penetrations(bulkheads and decks) <u>and watertight pipe penetrations(bulkheads or decks) are</u> to be in accordance with the following. <u>(2024)</u></p> <p><b>1. Surveys of Watertight Cable Transits (2021) &lt;same as the current Rules&gt;</b></p> <p><b>2. <u>Any penetration used for the passage of heat-sensitive piping systems through a watertight bulkhead or deck on a passenger ship (2024)</u></b></p> <p><u>(1) Any penetration used for the passage of heat-sensitive piping systems through a watertight bulkhead or deck on a passenger ship under SOLAS Ch. II-1 Reg. 13.2.3 shall be tested with the heat-sensitive piping and shall be type approved for watertight integrity specified in Ch 3, Sec 41 of Guidance for Approval of Manufacturing Process and Type Approval, Etc. after fire test specified in Ch 3, Sec 26 Table 3.26.3 "Pipe and duct penetrations" of the same Guidance.</u></p> <p><u>In addition, prototype testing for fire test and watertightness test need not be carried out if the pipe penetration is made of steel or equivalent material having a thickness of 3 mm or greater and a length of not less than 900 mm (preferably 450 mm on each side of the division), and there are no openings. Such penetrations shall be suitably insulated by extension of the insulation at the same level of the division.</u></p> <p><u>See also SOLAS Ch. II-2 Reg. 9.3.1 with respect to piping. However, the penetration must still comply with the watertight integrity requirement in SOLAS Ch. II-1 Reg. 2.17.</u></p>	<p>- IACS UI SC299 (New July 2023) reflected</p> <p>- Survey items for watertight bhd's or deck pipe penetrations on passenger ships are added</p> <p>- Interpretation No. 1 of IACS UI SC299 reflected</p> <p>- 5.3 of IACS UI SC299 reflected</p>

Present	Amendment	Note
<p><a href="#">(newly added)</a></p> <p>&lt;hereinafter, omitted&gt;</p>	<p><a href="#">(2) SOLAS Ch. II-1 Reg. 13.2.3 shall be applicable to heat-sensitive piping systems and shall not be applied to cable penetrations in watertight bulkheads and decks.</a></p> <p><a href="#">(3) Above piping penetrations have been installed, and where disrupted have been reinstated, in accordance with the manufacturer's requirements and in accordance with the requirements of Type Approval.</a></p> <p>&lt;hereinafter, same as the current Rules&gt;</p>	<p>- Interpretation No. 2 of IACS UI SC299 reflected</p> <p>- Reflected some requirements of Pt 1, Ch 1, Sec 3, 306. 1. (3) of the Rule (<b>Surveys of Watertight Cable Transits</b>)</p>

Present	Amendment	Note
<p style="text-align: center;"><b>CHAPTER 2 PERIODICAL AND OTHER SURVEYS</b></p> <p style="text-align: center;"><b>Section 1 General &lt;omitted&gt;</b></p> <p style="text-align: center;"><b>Section 2 Annual Survey</b></p> <p><b>201. Due range &lt;omitted&gt;</b></p> <p><b>202. Hull, equipment and fire-extinguishing appliances</b></p> <p>1. The survey is to consist of an examination for the purpose of ensuring, as far as practicable, that the hull, hatch covers, hatch coamings, closing appliances, and equipment are maintained in a satisfactory condition.</p> <p>(1) ~ (35) &lt;omitted&gt;</p> <p><a href="#">&lt;newly added&gt;</a></p> <p><b>(36)</b> For ships provided with the equipment employed in the mooring of ships at single point mooring specified in <b>Pt 4, Ch 10, 101. 7</b> and assigned the additional class notation "EQ-SPM", the general function and deformation condition of this equipment employed in the mooring of ships at single point mooring and hull supporting structures are to be checked. <i>(2017)</i></p> <p>&lt;hereinafter, omitted&gt;</p>	<p style="text-align: center;"><b>CHAPTER 2 PERIODICAL AND OTHER SURVEYS</b></p> <p style="text-align: center;"><b>Section 1 General &lt;same as the current Rules&gt;</b></p> <p style="text-align: center;"><b>Section 2 Annual Survey</b></p> <p><b>201. Due range &lt;same as the current Rules&gt;</b></p> <p><b>202. Hull, equipment and fire-extinguishing appliances</b></p> <p>1. The survey is to consist of an examination for the purpose of ensuring, as far as practicable, that the hull, hatch covers, hatch coamings, closing appliances, and equipment are maintained in a satisfactory condition.</p> <p>(1) ~ (35) &lt;same as the current Rules&gt;</p> <p><a href="#">(36) Any penetration used for the passage of heat-sensitive piping systems through a watertight bulkhead or deck on a passenger ship (2024)</a></p> <p><a href="#">(A) Watertight piping penetrations are to be installed and maintained in accordance with the manufacturer's requirements and in accordance with the requirements of the relevant Type Approval certification.</a></p> <p><a href="#">(B) Watertight piping penetrations have been installed, and where disrupted have been reinstated, in accordance with the manufacturer's requirements and in accordance with the requirements of Type Approval.</a></p> <p><a href="#">(37)</a> <del>(36)</del> For ships provided with the equipment employed in the mooring of ships at single point mooring specified in <b>Pt 4, Ch 10, 101. 7</b> and assigned the additional class notation "EQ-SPM", the general function and deformation condition of this equipment employed in the mooring of ships at single point mooring and hull supporting structures are to be checked. <i>(2017)</i></p> <p>&lt;hereinafter, same as the current Rules&gt;</p>	<p>- IACS UI SC299 (New July 2023) reflected</p> <p>- Survey items for watertight bhds or deck pipe penetrations on passenger ships are added</p> <p>- Reflected some requirements of Pt 1, Ch 2, 202. 1. (35) of the Rules <b>(Surveys of Watertight Cable Transits)</b></p> <p>- No. readjusted</p>

**(2) Effective date : 1 Jan. 2025**

(For ships contracted for construction)

Present	Amendment	Note
<p style="text-align: center;"><b>CHAPTER 1 CLASSIFICATION</b></p> <p style="text-align: center;">Section 1 ~ Section 2 &lt;omitted&gt;</p> <p><b>Section 3 Classification Survey during Construction (2022)</b></p> <p>301. ~ 306. &lt;omitted&gt;</p> <p><b>307. Stability (2023)</b></p> <p>1. &lt;omitted&gt;</p> <p>2. The preparation and approval of stability booklets in above <b>Par 1</b> are to demonstrate that their intact stability is adequate for the service intended. Adequate intact stability means compliance with standards laid down by the relevant Administration or those of the Society taking into account the ship's size and type. The level of intact stability for ships with a length of 24 m and above should not be less than that provided by Part A of IMO Res. <u>MSC.267(85)(Adoption of the international code on intact stability, 2008)</u> as applicable to the type of ship being considered.</p> <p>Where other criteria are accepted by the Administration concerned, these criteria may be used for the purpose of classification. Evidence of approval by the Administration concerned may be accepted for the purpose of classification. (2020)</p> <p>&lt;hereinafter, omitted&gt;</p>	<p style="text-align: center;"><b>CHAPTER 1 CLASSIFICATION</b></p> <p style="text-align: center;">Section 1 ~ Section 2 &lt;same as the current Rules&gt;</p> <p><b>Section 3 Classification Survey during Construction (2022)</b></p> <p>301. ~ 306. &lt;same as the current Rules&gt;</p> <p><b>307. Stability (2023)</b></p> <p>1. &lt;same as the current Rules&gt;</p> <p>2. The preparation and approval of stability booklets in above <b>Par 1</b> are to demonstrate that their intact stability is adequate for the service intended. Adequate intact stability means compliance with standards laid down by the relevant Administration or those of the Society taking into account the ship's size and type. The level of intact stability for ships with a length of 24 m and above should not be less than that provided by Part A of IMO Res. MSC.267(85)(Adoption of the international code on intact stability, 2008) <u>as amended by MSC.319(89), MSC.398(95), MSC.413(97), MSC.414(97), MSC.415(97), MSC.443(99) and MSC.444(99)</u> as applicable to the type of ship being considered.</p> <p>Where other criteria are accepted by the Administration concerned, these criteria may be used for the purpose of classification. Evidence of approval by the Administration concerned may be accepted for the purpose of classification. (2025)</p> <p>&lt;hereinafter, same as the current Rules&gt;</p>	<p>- IACS UR L2(Rev. 3 Nov 2023) reflected</p>

# Draft amendments of the Guidance Relating to the Rules for the Classification of Steel Ships

(Part 1 Classification and Surveys)

(for external opinion inquiry)



Jan. 2024

Hull Rule Development Team

## - Main Amendments -

(1) Effective date : 1 July 2024 (Date of which application for survey is submitted)

● IACS PR1A(Rev.9 Aug 2023)

- This revision is to ensure that clause B2.1.1 iii) for Chemical Tankers can be applied also to Oil Tankers, which have the same structure as Chemical Tankers.

● Revision of provisions mentioning Instruction for the Classification Survey

- Since the Instruction for the Classification Survey are confidential, it was considered inappropriate to directly mention the relevant provisions.

**(1) Effective date : 1 July 2024**

(Date of which application for survey is submitted)

Present	Amendment	Note
<p style="text-align: center;"><b>CHAPTER 1 CLASSIFICATION</b></p> <p style="text-align: center;"><b>Section 4 Classification Survey after Construction (2023)</b></p> <p>401. ~ 402. &lt;omitted&gt;</p> <p>403. Classification Survey of ships classed by other classes or TOC(Transfer of Classification) (2020) [See Rule] &lt;omitted&gt;</p> <p>1. ~ 3. &lt;omitted&gt;</p> <p>4. Classification Survey &lt;omitted&gt;</p> <p>(1) When a ship is classed by the Society as a results of transfer of class (A) &lt;omitted&gt;</p> <p style="padding-left: 20px;">(a) Hull Classification Survey</p> <p style="padding-left: 40px;">(i) ~ (ii) &lt;omitted&gt;</p> <p style="padding-left: 40px;">(iii) For vessels of 10 years of age and above but less than 20 years of age, the survey is to include the scope of an Annual Survey and inspection of a representative number of ballast spaces and cargo spaces, except for: (2019)</p> <p style="padding-left: 60px;">① &lt;omitted&gt;</p> <p style="padding-left: 60px;">② For <u>chemical tankers</u> of 10 years of age and above but less than 15 years of age, in lieu of an internal inspection of cargo tanks without internal stiffening and framing, inspections of surrounding ballast tank(s) and void spaces and deck structure, are to be applied.</p> <p>&lt;hereinafter, omitted&gt;</p>	<p style="text-align: center;"><b>CHAPTER 1 CLASSIFICATION</b></p> <p style="text-align: center;"><b>Section 4 Classification Survey after Construction (2023)</b></p> <p>401. ~ 402. &lt;same as the current Guidance&gt;</p> <p>403. Classification Survey of ships classed by other classes or TOC(Transfer of Classification) (2020) [See Rule] &lt;same as the current Guidance&gt;</p> <p>1. ~ 3. &lt;same as the current Guidance&gt;</p> <p>4. Classification Survey &lt;same as the current Guidance&gt;</p> <p>(1) When a ship is classed by the Society as a results of transfer of class (A) &lt;same as the current Guidance&gt;</p> <p style="padding-left: 20px;">(a) Hull Classification Survey</p> <p style="padding-left: 40px;">(i) ~ (ii) &lt;same as the current Guidance&gt;</p> <p style="padding-left: 40px;">(iii) For vessels of 10 years of age and above but less than 20 years of age, the survey is to include the scope of an Annual Survey and inspection of a representative number of ballast spaces and cargo spaces, except for: (2019)</p> <p style="padding-left: 60px;">① &lt;same as the current Guidance&gt;</p> <p style="padding-left: 60px;">② For <u>oil tankers and</u> chemical tankers of 10 years of age and above but less than 15 years of age, in lieu of an internal inspection of cargo tanks without internal stiffening and framing, inspections of surrounding ballast tank(s) and void spaces and deck structure, are to be applied. (2024)</p> <p>&lt;hereinafter, same as the current Guidance&gt;</p>	<p>- Clause B2.1.1 iii) of IACS PR1A (Rev.9 Aug 2023) reflected</p> <p>- Extension of the application to include Oil Tankers : Product Carrier is deleted because she is one kind of Oil Tanker.</p>

Present	Amendment	Note
<p data-bbox="129 252 927 319"><b>Annex 1-17 Laid-up and recommissioning of ships (2018)</b></p> <p data-bbox="383 344 674 379"><b>Section 2 Surveys</b></p> <p data-bbox="91 416 477 448">201. Laid-up survey &lt;omitted&gt;</p> <p data-bbox="91 499 483 531">202. Re-commissioning survey</p> <p data-bbox="120 549 338 580">1. ~ 10. &lt;omitted&gt;</p> <p data-bbox="120 598 965 655">11. On completion of the above surveys, following tests are to be performed.</p> <p data-bbox="154 681 965 770">(1) For passenger ships, sea-trial is to be carried out and survey details are referred to <b>Sec. 605, Ch. 4, Pt. 2</b> of Instruction for <b>the Classification Survey</b>.</p> <p data-bbox="154 836 965 925">(2) In addition to function tests for each machinery installations, engine trial and when deemed unnecessary, sea trial under attendance of the Surveyor, to be performed.</p> <p data-bbox="154 959 405 991">&lt;hereinafter, omitted&gt;</p>	<p data-bbox="1021 252 1818 319"><b>Annex 1-17 Laid-up and recommissioning of ships (2018)</b></p> <p data-bbox="1274 344 1565 379"><b>Section 2 Surveys</b></p> <p data-bbox="987 416 1659 448">201. Laid-up survey &lt;same as the current Guidance&gt;</p> <p data-bbox="987 499 1379 531">202. Re-commissioning survey</p> <p data-bbox="1016 549 1503 580">1. ~ 10. &lt;same as the current Guidance&gt;</p> <p data-bbox="1016 598 1861 655">11. On completion of the above surveys, following tests are to be performed.</p> <p data-bbox="1050 681 1861 802">(1) For passenger ships, sea-trial is to be carried out and survey details <u>are to be applied for the separate requirements as specified by the Society. (2024)</u> referred to <del>Sec. 605, Ch. 4, Pt. 2 of Instruction for the Classification Survey.</del></p> <p data-bbox="1050 836 1861 925">(2) In addition to function tests for each machinery installations, engine trial and when deemed unnecessary, sea trial under attendance of the Surveyor, to be performed.</p> <p data-bbox="1050 959 1565 991">&lt;hereinafter, same as the current Guidance&gt;</p>	<p data-bbox="1879 260 2148 371">– At the request by the Survey Team by phone on 21 Dec. 2023</p> <p data-bbox="1879 422 2148 758">: Since the Instruction for the Classification Survey is confidential, it is considered more appropriate to mention it according to the existing practice rather than directly mentioning the relevant clause.</p>