

# Amendment for Rules for the Classification of Steel Ships

## (Part 9 Additional Installations)



Present	Amendment
<p style="text-align: center;"><b>CHAPTER 2 Cargo Handling Appliances</b></p> <p style="text-align: center;"><b>Section 2 Surveys</b></p> <p>201. &lt;same as the present Rules&gt;</p> <p>202. Surveys of Cargo Handling Appliances</p> <p><b>1. Kinds of Surveys</b></p> <p>The kinds of Surveys for cargo handling appliances are as follows:</p> <p>(1) Registration Survey</p> <p style="padding-left: 20px;">(A) Registration Survey during Construction</p> <p style="padding-left: 20px;">(B) Registration Survey <u>after Construction</u></p> <p>&lt;hereafter, same as the present Rules&gt;</p> <p>203. Registration Surveys</p> <p><b>1. Drawings and Other Documents to be Submitted [See Guidance]</b></p> <p>(1) ~ (2) &lt;same as the present Rules&gt;</p> <p>(3) The relevant drawings and documents listed in the following (A) through (G) are to be submitted for reference for cargo handling appliances to be newly constructed;</p> <p style="padding-left: 20px;">(A) Specifications for cargo gears and cargo ramps</p> <p style="padding-left: 20px;">(B) Calculation sheets or check sheets relevant to drawings and documents for approval specified in (2) above</p> <p style="padding-left: 20px;">(C) Operation manual for cargo gears and cargo ramps</p> <p style="padding-left: 20px;">(D) Procedures of non-destructive testing</p> <p style="padding-left: 20px;">(E) Procedures of Load tests</p> <p style="padding-left: 20px;">(F) <del>Where materials which contain asbestos are used, documents including the location and other detailed information.</del></p> <p style="padding-left: 20px;">(G) Other drawings and documents as deemed necessary by the Society</p> <p>&lt;hereafter, same as the present Rules&gt;</p>	<p style="text-align: center;"><b>CHAPTER 2 Cargo Handling Appliances</b></p> <p style="text-align: center;"><b>Section 2 Surveys</b></p> <p>201. &lt;same as the present Rules&gt;</p> <p>202. Surveys of Cargo Handling Appliances</p> <p><b>1. Kinds of Surveys</b></p> <p>The kinds of Surveys for cargo handling appliances are as follows:</p> <p>(1) Registration Survey</p> <p style="padding-left: 20px;">(A) Registration Survey during Construction</p> <p style="padding-left: 20px;">(B) Registration Survey <u>of Cargo Handling Appliances not built under survey</u></p> <p>&lt;hereafter, same as the present Rules&gt;</p> <p>203. Registration Surveys</p> <p><b>1. Drawings and Other Documents to be Submitted [See Guidance]</b></p> <p>(1) ~ (2) &lt;same as the present Rules&gt;</p> <p>(3) The relevant drawings and documents listed in the following (A) through (G) are to be submitted for reference for cargo handling appliances to be newly constructed;</p> <p style="padding-left: 20px;">(A) Specifications for cargo gears and cargo ramps</p> <p style="padding-left: 20px;">(B) Calculation sheets or check sheets relevant to drawings and documents for approval specified in (2) above</p> <p style="padding-left: 20px;">(C) Operation manual for cargo gears and cargo ramps</p> <p style="padding-left: 20px;">(D) Procedures of non-destructive testing</p> <p style="padding-left: 20px;">(E) Procedures of Load tests</p> <p style="padding-left: 20px;">(F) Other drawings and documents as deemed necessary by the Society</p> <p>&lt;hereafter, same as the present Rules&gt;</p>

Present	Amendment
<p style="text-align: center;"><b>CHAPTER 1 ~ CHAPTER 6</b> <b>&lt;omitted&gt;</b></p> <p style="text-align: center;"><b>CHAPTER 7 DIVING SYSTEMS</b></p> <p style="text-align: center;"><b>Section 1 ~ Section 8</b> <b>&lt;omitted&gt;</b></p> <p style="text-align: center;"><b>Section 9 Compressors</b></p> <p><b>901. General</b></p> <p>1. ~ 2. &lt;omitted&gt;</p> <p>3. Performance tests for compressors shall be carried out according to <b>607.</b> and recognised international standards such as <u>KS V 4000.</u></p> <p>(hereafter, omitted)</p>	<p style="text-align: center;"><b>CHAPTER 1 ~ CHAPTER 6</b> <b>&lt;same as the present&gt;</b></p> <p style="text-align: center;"><b>CHAPTER 7 DIVING SYSTEMS</b></p> <p style="text-align: center;"><b>Section 1 ~ Section 8</b> <b>&lt;same as the present&gt;</b></p> <p style="text-align: center;"><b>Section 9 Compressors</b></p> <p><b>901. General</b></p> <p>1. ~ 2. &lt;same as the present&gt;</p> <p>3. Performance tests for compressors shall be carried out according to <b>607.</b> and recognised international standards such as <u>BS EN 12021.</u></p> <p>(hereafter, same as the present)</p>

Amended Guidance Relating to the Rules  
for the Classification of Steel Ships  
(Part 9 Additional Installations)



**Present**

**CHAPTER 2 CARGO HANDLING  
APPLIANCES**

**Section 1 General**

101. ~ 102. <same as the present Rules>

103. Arrangement, Construction, Materials and Welding

1. <same as the present Rules>

2. Materials

(1) ~ (5) <same as the present Rules>

**Table 9.2.1 Classification of Steel Materials Exposed to Low Temperature**

Design temperature $T$ (°C)	Material thickness $t$ (mm)				
	$t \leq 10$	$10 < t \leq 20$	$20 < t \leq 25$	$25 < t \leq 40$	$40 < t$
$-10 \leq T$	A/AH		B/AH	D/DH	E/EH
$-20 \leq T < -10$	B/AH	D/DH	E/EH		
$-30 \leq T < -20$	E/EH			<u>RL24A</u>	<u>RL24B</u>
$-40 \leq T < -30$	<u>RL24A</u>		<u>RL24B</u>		*
$-50 \leq T < -40$	<u>RL24B</u>		*		

NOTES)

<same as the present Rules>

<hereafter, same as the present Rules>

**Amendment**

**CHAPTER 2 CARGO HANDLING  
APPLIANCES**

**Section 1 General**

101. ~ 102. <same as the present Rules>

103. Arrangement, Construction, Materials and Welding

1. <same as the present Rules>

2. Materials

(1) ~ (5) <same as the present Rules>

**Table 9.2.1 Classification of Steel Materials Exposed to Low Temperature (2019)**

Design temperature $T$ (°C)	Material thickness $t$ (mm)				
	$t \leq 10$	$10 < t \leq 20$	$20 < t \leq 25$	$25 < t \leq 40$	$40 < t$
$-10 \leq T$	A/AH		B/AH	D/DH	E/EH
$-20 \leq T < -10$	B/AH	D/DH	E/EH		
$-30 \leq T < -20$	E/EH			<u>RL235A</u>	<u>RL235B</u>
$-40 \leq T < -30$	<u>RL235A</u>		<u>RL235B</u>		*
$-50 \leq T < -40$	<u>RL235B</u>		*		

NOTES)

<same as the present Rules>

<hereafter, same as the present Rules>

Present	Amendment
<p style="text-align: center;"><b>CHAPTER 9 CARGO VAPOUR EMISSION CONTROL SYSTEMS</b></p> <p style="text-align: center;"><b>Section 3 Requirements for VEC2 Notation</b></p> <p><b>302. Overfill Alarm (2018) [See Rule]</b></p> <p>1. &lt;newly added&gt;</p> <p>1. In applying <b>302. 1 (5)</b> of the Rules, visible and audible alarms are to be provided where the operator readily recognizable from the cargo areas. ↓</p>	<p style="text-align: center;"><b>CHAPTER 9 CARGO VAPOUR EMISSION CONTROL SYSTEMS</b></p> <p style="text-align: center;"><b>Section 3 Requirements for VEC2 Notation</b></p> <p><b>302. Overfill Alarm (2018) [See Rule]</b></p> <p>1. <u>In applying <b>302. 1 (1) &amp; (3)</b> of the Rules, the sensor of cargo gauging system and the sensor of high level alarm can be used in common.</u></p> <p>2. In applying <b>302. 1 (5)</b> of the Rules, visible and audible alarms are to be provided where the operator readily recognizable from the cargo areas. ↓</p>