

# Guidance Relating to Rules for Classification of Steel Ships

(Development Review : External Opinion Inquiry)

## Part 7 Chapter 5 Ships Carrying Liquefied Gases in Bulk



2024. 01.

Machinery Rule Development Team

– Main Amendments –

(1) MSC Circ.1668/IACS UI GC39 (ships constructed on or after 2024/07/01)

● Fire protection and fire detection for cargo transfer equipment

Present	Amendment	Note
<p style="text-align: center;"><b>Section 11 Fire Protection and Fire Extinction</b></p> <p>1101. 1102. &lt;omitted&gt;</p> <p>1103. Water spray system</p> <p>1. Area to be covered [See Rule]</p> <p>(1) to (2) &lt;omitted&gt; &lt;newly added&gt;</p> <p>(3) to (4) &lt;omitted&gt;</p> <p>2. to 8. &lt;omitted&gt;</p> <p>1104. Dry chemical powder fire-extinguishing systems [See Rule]</p> <p>1. &lt;omitted&gt; &lt;newly added&gt;</p> <p>2. to 4. &lt;omitted&gt;</p>	<p style="text-align: center;"><b>Section 11 Fire Protection and Fire Extinction</b></p> <p>1101. 1102. &lt;same as the present&gt;</p> <p>1103. Water spray system</p> <p>1. Area to be covered [See Rule]</p> <p>(1) to (2) &lt;same as the present&gt;</p> <p>(3) For the purpose of the requirements in <b>1103.1</b> (4) and (5) of Rules, where vessels is provided with additional cargo transfer equipment including transfer loading arms, bunkering booms, transfer hoses, reducers, spool pieces and transfer hoses reels, this additional cargo transfer equipment is to comply with <b>Annex 7A-3, 701.3. (2024)</b></p> <p>(4) to (5) &lt;same as the present&gt;</p> <p>2. to 8. &lt;same as the present&gt;</p> <p>1104. Dry chemical powder fire-extinguishing systems [See Rule]</p> <p>1. &lt;same as the present&gt;</p> <p>2. For the purpose of the requirements in <b>1104.1</b> and <b>3</b> of Rules, where vessels is provided with additional cargo transfer equipment including transfer loading arms, bunkering booms, transfer hoses, reducers, spool pieces and transfer hoses reels, this additional cargo transfer equipment is to comply with <b>Annex 7A-3, 701.3. (2024)</b></p> <p>3. to 5. &lt;same as the present&gt;</p>	

Present	Amendment	Note
<p style="text-align: center;"><b>Section 18 Operating Requirements</b></p> <p>1809. &lt;omitted&gt;</p> <p>1810. Cargo emergency shutdown (ESD) system</p> <p style="padding-left: 20px;">1. to 2. &lt;omitted&gt;</p> <p>&lt;newly added&gt;</p>	<p style="text-align: center;"><b>Section 18 Operating Requirements</b></p> <p>1809. &lt;omitted&gt;</p> <p>1810. Cargo emergency shutdown (ESD) system</p> <p style="padding-left: 20px;">1. to 2. &lt;omitted&gt;</p> <p style="padding-left: 20px;">3. <u>For the purpose of the requirements in 1801.3 (2) of Rules, where vessels is provided with additional cargo transfer equipment including transfer loading arms, bunkering booms, transfer hoses, reducers, spool pieces and transfer hoses reels, this additional cargo transfer equipment is to comply with Annex 7A-3, 701.3. (2024)</u></p>	

Present	Amendment	Note
<p style="text-align: center;"><b>Annex 7A-3 LNG Bunkering Systems</b></p> <p style="text-align: center;"><b>Section 1 to Section 6</b>  &lt;omitted&gt;</p> <p style="text-align: center;"><b>Section 7 Fire Protection and Fire Extinction</b></p> <p><b>701. General</b></p> <ol style="list-style-type: none"> <li>1. Water spray systems are to be installed at the bunkering manifold area in accordance with <b>Ch 5, 1103.</b> of the Rules.</li> <li>2. Dry chemical powder fire-extinguishing systems is to be installed at the bunkering manifold area in accordance with <b>Ch 5, 1104.</b> of the Rules.</li> </ol> <p><b>&lt;Newly added&gt;</b></p>	<p style="text-align: center;"><b>Annex 7A-3 LNG Bunkering Systems</b></p> <p style="text-align: center;"><b>Section 1 to Section 6</b>  &lt;omitted&gt;</p> <p style="text-align: center;"><b>Section 7 Fire Protection and Fire Extinction</b></p> <p><b>701. General</b></p> <ol style="list-style-type: none"> <li>1. Water spray systems are to be installed at the bunkering manifold area in accordance with <b>Ch 5, 1103.</b> of the Rules.</li> <li>2. Dry chemical powder fire-extinguishing systems is to be installed at the bunkering manifold area in accordance with <b>Ch 5, 1104.</b> of the Rules.</li> <li>3. <u>For vessels provided with additional cargo transfer equipment including transfer loading arms, bunkering booms, transfer hoses, reducers, spool pieces and transfer hoses reels, when in use, this additional cargo transfer equipment shall comply, where appropriate, with the requirements of <b>1103.1 (4), 1103.1 (5), 1104.1, 1104.3 and 1810.3 (2)</b> of Rules for fire detection and fire protection in the cargo area (such as fusible elements, ESD functionality, water spray system protection, dry chemical powder fire-extinguishing systems and drip trays) including hull protection from low temperatures.</u></li> </ol>	