

# Amendments of the Guidance for Battery System on Board Ships

(Development Review : For external opinion inquiry)



2024. 1.

Machinery Rule Development Team

Effective Date : 1 July 2024

(The contract date for ship construction)

Present	Amendment	Note
<p style="text-align: center;"><b>CHAPTER 2 CLASSIFICATION SURVEYS</b></p> <p style="text-align: center;">Section 1 – 2 &lt;same as the present Rules&gt;</p> <p style="text-align: center;">Section 3 Tests and Inspections</p> <p>301. &lt;same as the present Rules&gt;</p> <p>302. &lt;same as the present Rules&gt;</p> <p>1. – 2. &lt;same as the present Rules&gt;</p> <p>3. Some test items for battery system in <b>Table 2</b> may be added or changed at the request of the Society. <i>(2023)</i></p> <p>4. &lt;same as the present Rules&gt;</p> <p style="text-align: center;">Section 4 &lt;same as the present Rules&gt;</p>	<p style="text-align: center;"><b>CHAPTER 2 CLASSIFICATION SURVEYS</b></p> <p style="text-align: center;">Section 1 – 2 &lt;same as the present Rules&gt;</p> <p style="text-align: center;">Section 3 Tests and Inspections</p> <p>301. &lt;same as the present Rules&gt;</p> <p>302. &lt;same as the present Rules&gt;</p> <p>1. – 2. &lt;same as the present Rules&gt;</p> <p>3. Some test items for battery system in <u>Table 2</u> may be added or changed at the request of the Society. <i>(2023)</i></p> <p><u>Table 2 &lt;see the next page&gt;</u></p> <p>4. &lt;same as the present Rules&gt;</p> <p style="text-align: center;">Section 4 &lt;same as the present Rules&gt;</p>	<p>(Amended) – It has been amended to clarify the test units.</p>

## 〈Present〉

Table 2 Battery system (2023)

No.	Test	Test Standard	Type Approval	Testing and Inspection
1-13	〈same as the present Rules〉			
14	Propagation test	IEC 62619, 7.3.3	○	
<p>(Notes) (2023)</p> <p>Some functions may be replaced by type approval tests in consultation.</p> <p>(1) – (3) 〈same as the present Rules〉</p> <p>(4) 〈newly added〉</p>				

## 〈Amendments〉

Table 2 Battery system (2024)

No.	Test	Test Standard	Type Approval	Testing and Inspection
1-13	〈same as the present Rules〉			
14	Propagation test <sup>(4)</sup>	IEC 62619, 7.3.3	○	
<p>(Notes) (2024)</p> <p>Some functions may be replaced by type approval tests in consultation.</p> <p>(1) – (3) 〈same as the present Rules〉</p> <p>(4) <u>Perform the propagation test on battery cells or modules basis</u></p>				

Present	Amendment	Note
<p style="text-align: center;"><b>CHAPTER 3 CONSTRUCTION AND EQUIPMENT</b></p> <p style="text-align: center;"><b>Section 1 - 3 &lt;same as the present Rules&gt;</b></p> <p style="text-align: center;"><b>Section 4 Fire Protection and Fire Extinction</b></p> <p><b>401. General (2023)</b></p> <ol style="list-style-type: none"> <li>1. The requirements in this Section apply in addition to <b>Pt 8 of Rules for the Classification of Steel Ships.</b></li> <li>2. The battery space <u>may generally be considered as "Other machinery spaces"</u> for fire protection purposes.</li> <li>3. The battery space shall be enclosed by an A-0 class divisions and the boundary between the following compartments shall be A-60 class.               <ol style="list-style-type: none"> <li>(1) Machinery spaces of category A specified by SOLAS Reg.II-2/3</li> <li>(2) Cargo area for the transportation of dangerous goods</li> </ol> </li> <li>4. Fire extinction system for the battery space including the arrangement shall be approved by the Society.</li> </ol> <p style="text-align: center;"><b>Section 4 &lt;same as the present Rules&gt;</b></p>	<p style="text-align: center;"><b>CHAPTER 3 CONSTRUCTION AND EQUIPMENT</b></p> <p style="text-align: center;"><b>Section 1 - 3 &lt;same as the present Rules&gt;</b></p> <p style="text-align: center;"><b>Section 4 Fire Protection and Fire Extinction</b></p> <p><b>401. General (2023)</b></p> <ol style="list-style-type: none"> <li>1. The requirements in this Section apply in addition to <b>Pt 8 of Rules for the Classification of Steel Ships.</b></li> <li>2. The battery space <u>may <del>is generally be</del> considered as "Other machinery spaces of category A"</u> for fire protection purposes.</li> <li>3. The battery space shall be enclosed by an A-0 class divisions and the boundary between the following compartments shall be A-60 class.               <ol style="list-style-type: none"> <li>(1) Machinery spaces of category A specified by SOLAS Reg.II-2/3</li> <li>(2) Cargo area for the transportation of dangerous goods</li> </ol> </li> <li>4. Fire extinction system for the battery space including the arrangement shall be approved by the Society.</li> </ol> <p style="text-align: center;"><b>Section 4 &lt;same as the present Rules&gt;</b></p>	<p>(Amended)</p> <p>– It has been amended the battery spaces to be consider as machinery spaces of category A for fire protection.</p>