

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;">CHAPTER 2 CLASSIFICATION SURVEYS</p> <p style="text-align: center;">Section 1 – 2 <same as the present Rules></p> <p style="text-align: center;">Section 3 Tests and Inspections</p> <p>301. <same as the present Rules></p> <p>302. <same as the present Rules></p> <p>1. – 2. <same as the present Rules></p> <p>3. Some test items for battery system in Table 2 may be added or changed at the request of the Society. <i>(2023)</i></p> <p>4. <same as the present Rules></p> <p style="text-align: center;">Section 4 <same as the present Rules></p>	<p style="text-align: center;">CHAPTER 2 CLASSIFICATION SURVEYS</p> <p style="text-align: center;">Section 1 – 2 <same as the present Rules></p> <p style="text-align: center;">Section 3 Tests and Inspections</p> <p>301. <same as the present Rules></p> <p>302. <same as the present Rules></p> <p>1. – 2. <same as the present Rules></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 <see the next page></u></p> <p>4. <same as the present Rules></p> <p style="text-align: center;">Section 4 <same as the present Rules></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 ⁽⁴⁾	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;">CHAPTER 3 CONSTRUCTION AND EQUIPMENT</p> <p style="text-align: center;">Section 1 - 3 <same as the present Rules></p> <p style="text-align: center;">Section 4 Fire Protection and Fire Extinction</p> <p>401. General (2023)</p> <ol style="list-style-type: none"> 1. The requirements in this Section apply in addition to Pt 8 of Rules for the Classification of Steel Ships. 2. The battery space <u>may generally be considered as "Other machinery spaces"</u> for fire protection purposes. 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"> (1) Machinery spaces of category A specified by SOLAS Reg.II-2/3 (2) Cargo area for the transportation of dangerous goods 4. Fire extinction system for the battery space including the arrangement shall be approved by the Society. <p style="text-align: center;">Section 4 <same as the present Rules></p>	<p style="text-align: center;">CHAPTER 3 CONSTRUCTION AND EQUIPMENT</p> <p style="text-align: center;">Section 1 - 3 <same as the present Rules></p> <p style="text-align: center;">Section 4 Fire Protection and Fire Extinction</p> <p>401. General (2023)</p> <ol style="list-style-type: none"> 1. The requirements in this Section apply in addition to Pt 8 of Rules for the Classification of Steel Ships. 2. The battery space <u>may is generally be</u>—considered as “<u>Other machinery spaces of category A</u>” for fire protection purposes. 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"> (1) Machinery spaces of category A specified by SOLAS Reg.II-2/3 (2) Cargo area for the transportation of dangerous goods 4. Fire extinction system for the battery space including the arrangement shall be approved by the Society. <p style="text-align: center;">Section 4 <same as the present Rules></p>	<p>(Amended) – It has been amended the battery spaces to be consider as machinery spaces of category A for fire protection.</p>