

# Amendments for Guidance for Battery Systems on Board of Ships

Related Rules/Guidance	Effective date
Guidance for Battery Systems on Board of Ships	– ships contracted for construction on or after 1 July 2021

## ○ Reason for Amendments

1. When applying the battery system for ships, it is necessary to clarify the designation of the Notation.
2. Among the contents of the battery test, it is necessary to clarify the test and inspection and type approval requirements.
3. According to technology development, hybrid requirements that can be used in combination with various energy sources such as generators, batteries, and fuel cells are required.
4. When the battery system is not used, there is a need for safety requirements to prevent accidents due to leakage, etc.
5. For Battery–M notation, there is a need for a requirement to prevent the inability to supply power to the ventilation system in the battery compartment due to a battery system failure.

## ○ Amendments

1. The requirements for the application of the battery system and for the designation of notation have been clarified.
2. The requirements for battery systems have been amended to carry out “type approval” and “test and inspection”. The item number of test standard for the temperature cycling test of battery cell have been clarified.
3. Requirements have been newly added for hybrid systems to allow the use of different types of energy sources.
4. A requirement for constant monitoring of the battery system has been added to prepare for accidents such as battery leakage when the battery is not in use.
5. In the case of ships assigning the Battery–M notation, which supplies

power only with batteries, the requirements have been amended to require redundancy for the power supply of the ventilation system.

○ **Impact Analysis**

- ✓ Indication of any impact on and/or contribution to safety, security or environmental protection
  - : Securing safety against risks that may occur when applying battery systems to ships.
- ✓ Indication of any impact on net and gross scantlings
  - : N/A