

Revision of requirements for battery systems on board ships

■ Summary of Major Amendments

Related Rules/Guidance	Effective date
Guidance for Battery Systems on Board Ships	– ships contracted for construction on or after 1 July 2023

■ Major Amendments

○ Reason for Amendments

1. When a fire breaks out in the cargo hold, it tries to extinguish a fire using a fixed gas fire-fighting system, but there are cases where the fire cannot be extinguished.

Thus, the cargo hold flooding condition has been adopted as additional fire-fighting system.

2. The requirements for the cargo hold flooding system for fire-fighting have been newly established in Pt 8, Annex 8–9 of **Guidance relating to Rules for the Classification of Steel Ships**, and an additional special feature notation is given to ships comply with relevant requirements.

The requirements for strength assessment of flooded condition for fire-fighting have been added to **Pt 14**.

1. Identifying the necessity to revise the type approval requirements for battery cells, modules and systems.
2. We clearly specify the requirements for assigning the notations Battery-A and Battery-M.
3. With the increasing use of power converters, there is a need to identify the necessity to apply common requirements.
4. We have identified the necessity to revise the terminology and other requirements used in the industry.

○ Amendments

1. Revised the type approval requirements for battery cells
2. Integrated and revised the type approval requirements of battery modules