

Temperature Rise Limits of Switchboard Busbars, etc.

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part H
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Reason for Amendment

Currently, the ClassNK Rules limit the temperature rise of switchboard busbars to 45°C or less. However, IEC61439-1, the standard that stipulates the necessary conditions for the type approval of switchboards, permits temperature rises that exceed 45°C. ClassNK does not have its own requirements related to the type approval of switchboards because the specifications of such vary greatly from ship to ship; however, since the ClassNK requirements for the approval of various individual switchboards are equivalent to the type approval requirements in IEC61439-1, such a standard can be adopted without any adverse impacts.

In response to this, the relevant requirements are amended to reference IEC61439-1 standards.

Outline of Amendment

With respect to switchboard busbars, etc., a requirement accepting temperature rise values exceeding 45°C in cases where deemed appropriate by society after considering temperature rise effects is added.