

Intermittent Power Demand of Motors for Steering Gear Power Units

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part D

Reason for Amendment

The ratings of motors for steering gear power units are typically determined in accordance with standards related to intermittent power demand such as IEC 60092-204 and JIS F 8079, with reference also made to IEC 60034-1 and JIS C 4034-1, because such motors are generally not used continuously.

IEC 60092-204 has, however, been phased out and there is currently an ongoing discussion regarding the phasing out of JIS F 8079 as well; this means there is a possibility that all the standards related to intermittent power demand which currently serve as the basis for the design of motors for steering gear power units may no longer be in effect. Therefore, ClassNK had been requested by relevant industry members to incorporate requirements equivalent to the above-mentioned standards into its Rules.

Accordingly, relevant requirements were amended to incorporate the details of JIS F 8079 in consideration of the fact that motors for steering gear power units with intermittent power demands designed in accordance with this standard had a sufficient service record.

Outline of Amendment

Amended relevant requirements to apply the intermittent power demand corresponding to intermittent use as the rating of motors for steering gear power units in accordance with IEC 60034-1 and JIS C 4034-1

Amended Requirements

Guidance for the Survey and Construction of Steel Ships
Part D: D15.2.7