

Current Rating of Busbars

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part H
Guidance for High Speed Craft

Reason for Amendment

The ClassNK Rules, based upon SOLAS II-1/ Reg.41.5, specify that the main busbar is to be subdivided into at least two parts in cases where main sources of electrical power are necessary for ship propulsion for reasons of redundancy. Moreover, the rated current of each part in such cases needs to be determined in consideration of connected generator capacities and the rated currents of the feeding circuits.

The ClassNK Rules currently specify rated currents for single busbar arrangements; however, rated currents for subdivided busbar arrangements are based upon the rated currents of general power feeding circuits.

Accordingly, relevant requirements were amended to specify the rated currents of subdivided busbar arrangements in reference to rated currents of general power feeding circuits being currently adopted on many general cargo ships.

Outline of Amendment

Specified requirements related to the rated currents of subdivided busbars arrangement.