

Electric Installations for High Speed Craft and Passenger Ship

Amended Rules and Guidance

Rules for High Speed Craft

Guidance for High Speed Craft

Rules for the Survey and Construction of Passenger Ships

Reason for Amendment

The requirements related to the electric installations for High Speed Craft and Passenger Ship, excluding those only related to such ships, are specified in the Rules for High Speed Craft and Passenger Ship in accordance with the general requirements for electric installations specified in the ClassNK Rules Part H. However, recent revisions made to Part H also mean that the Rules for High Speed Craft and Passenger Ship also need to be amended accordingly in order to eliminate any potential inconsistencies.

Therefore, relevant requirements of the Rules for High Speed Craft and Passenger Ship are amended to reflect recent amendments made to Part H of the Rules.

Outline of Amendment

- (1) Requirements related to the THD (Total Harmonic Distortion) are added.
- (2) 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.
- (3) The requirements for the onboard testing of the insulation resistance of electrical equipment are amended to be based on rated voltage.
- (4) It is specified that visual and audible alarms are to activate on navigation light indicator panels in cases where navigation lights cannot be turned on due to system failure.
- (5) It is specified that explosion proof electric equipment, such as increased safety type, encapsulation type, powder filling type and oil immersion type, can be used as electric equipment installed in the vehicle spaces and RO-RO spaces of car carriers.