

Semi-conductor Rectifiers for Power

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part H
Guidance for the Survey and Construction of Steel Ships Part H

Reason for Amendment

In recent year, there has been an increase in the number of Semi-conductor Rectifiers for Power, designed using the latest technology, being installed on ships. In order to keep up with these advances in technology, it is necessary to review and amend the relevant requirements of our Rules.

In response to this increase usage, a study of the effects of this latest technology on Semi-conductor Rectifiers for Power was undertaken. As a result, the relevant requirements have been amended to reference IEC and JEM standards.

Outline of Amendment

- (1) Requirements related to the THD (Total Harmonic Distortion) of Semi-conductor Rectifiers for Power are provided.
- (2) Necessary conditions related to the relevant requirements regarding the construction and protection devices of Semi-conductor Rectifiers for Power are provided.
- (3) Certain requirements related to the Semi-conductor Rectifiers for Power of electric propulsion plants are reorganized and moved to the chapter on General Requirements.