

# **High Voltage Electrical Installations**

## **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 years, large scale ships have been increasing their usage of equipment (e.g., bow thrusters, reefer containers, etc.) that consumes a high level of electric power. In order to satisfy this increased need for power, there has been a corresponding increase in the number of high voltage installations on such ships.

In response to this increase in usage, an investigation into the latest technology concerning high voltage electrical installations was undertaken. As a result of this investigation, the relevant requirements have been amended.

## **Outline of Amendment**

- (1) An internal arc fault test for high voltage switchboards is to be required.
- (2) The necessary conditions given in IEC Standard 600092-503 Ed.2.0 (2007) have been incorporated into the requirements relevant to the manufacture and the safety precautions for high voltage electrical installations.