

Feeder Circuits to Navigation Lights

Amended Rules

Rules for the Survey and Construction of Steel Ships Part H

Reason for Amendment

Recently, NK received information regarding the problem that a certain ship was having with the alarm system for its navigation lights. The feeder circuits from the ship's navigation light indicator panel to its navigation lights and related alarm system were designed to share a common fuse. This fuse blew, causing not only the navigation lights to fail, but also the alarm system, which was responsible for detecting such a failure, to fail.

In order to prevent the above-mentioned problem from occurring from here on, ClassNK rules, in reference to IEC and JIS standards, regarding the relevant requirements related to circuit design have been amended to require that each feeder circuit be an independent circuit.

Outline of Amendment

- (1) 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.
- (2) It is specified that alarm devices are to be fed from the main sources or emergency sources (or standby sources) of power and that their feeder circuits are to be independent from the feeder circuits to navigation lights.