

Steering Control System Independency and Failure Response

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part D

Reason for Amendment

Recently, an increasing number of accidents and near misses resulting from uncontrollable rudder movements due to electric system trouble have been reported. This has led IACS to consider ways to enhance the safety of steering systems.

In response, IACS adopted Unified Interpretation (UI) SC 94 (Rev.1) in order to clarify the SOLAS regulations concerning the necessary conditions related to the design of main steering gear control systems such as the independency, failure monitoring and response of steering control systems.

Accordingly, all relevant requirements are amended in accordance with IACS UI SC 94 (Rev.1).

Outline of Amendment

- (1) Requirements related to main steering gear control systems consisting of two or more identical power units are amended.
- (2) Requirements related to the performance of the failure detection functions of main steering gear control systems are amended.