

Application of SOLAS Requirements for Special Propulsion Systems

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part D
Guidance for the Survey and Construction of Passenger Ships

Reason for Amendment

Requirements intended to apply to steering gear are stipulated in SOLAS II-1/29, etc. For these requirements, IACS adopted Unified Interpretation (UI) SC242 as interpretations to be applied to special propulsion systems such as waterjet propulsion systems and azimuth thrusters. These requirements are incorporated into ClassNK Rules.

IACS reviewed the requirements to be applied in the case of ships which has two or more special propulsion systems, and developed a draft IACS UI SC242(Rev.2) to clarify the treatment related to redundancy of steering performance and electric supply system intended to apply to propulsion systems.

The above-mentioned draft was approved as MSC.1/Circ.1416/Rev.1 at the 101th Session of the IMO Maritime Safety Committee (MSC101) held in June 2019.

Accordingly, relevant requirements were amended in accordance with draft IACS UI SC242(Rev.2).

Outline of Amendment

The main details of this amendment are as follows:

- (1) Stipulated the definitions for “steering system”, “steering actuating system”, “steering actuator” and “declared steering angle limits”.
- (2) Stipulated requirements related to the redundancy of steering systems.
- (3) Amended requirements related to the redundancy of electric supply.

Amended Requirements

Guidance for the Survey and Construction of Steel Ships

Part D: Annex D1.1.3-1 1.1.1, 1.1.3, 1.1.4, Fig. 1, Fig. 2, 1.2.1, 1.2.2, 1.3.1, 1.5, 1.5.1, 1.5.2, 1.5.3, 1.5.4, 1.6.2, 1.6.3, 1.12.1, Annex D1.1.3-3 1.1.3, 1.1.4, Fig. 1, Fig. 2, 1.2.1, 1.5, 1.5.1, 1.5.2, 1.6.1, 1.6.2, 1.13.1

Guidance for the Survey and Construction of Passenger Ships

Part 5 1.1.1