

The Application of the SOLAS Requirements for Special Propulsion Systems

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part D

Reason for Amendment

It is stipulated in Reg. 29, Chapter II-1 of SOLAS that an alternative source of power is to be provided in cases where the diameter of an upper stock is over 230 mm. However, it is not clear as to how this requirement applies to ships which are equipped with special propulsion systems such as water jet propulsion systems or azimuth thrusters which have steering capability as well as propulsion capability instead of rudders and rudder stocks. From the aspect of ensuring safety and since it is considered that an alternative source of power is to be provided for those special propulsion systems under equivalent conditions, IACS studied the application of the SOLAS requirements related to special propulsion systems and adopted IACS UI SC242 in January 2011.

Therefore, relative requirements were amended in accordance with IACS UI SC242.

Outline of Amendment

- (1) Requirements related to the steering capability of the propulsion systems for ships which have special propulsion systems were amended.
- (2) It was stipulated that an alternative source of power is to be provided in cases where propulsion power exceeds 2,500 kW per thruster unit for ships which have special propulsion systems.