

Angle of Inclination for Ambient Conditions

Amended Rules

Rules for the Survey and Construction of Steel Ships Parts D and H
Rules for High Speed Craft
Rules for the Survey and Construction of Inland Waterway Ships

Reason for Amendment

IACS Unified Requirement (UR) M46(Rev.1) requires that switch gears used to control electrical appliances, etc. are not to malfunction in cases where they are inclined at angles up to and including 45 degrees. However, IACS UR E10(Rev.7), which stipulates methods for the environmental testing, etc. of electrical appliances, specifies the angle for inclination testing as 22.5 degrees; therefore, there existed an inconsistency between those two URs.

For this reason, IACS reviewed the requirements for the angle of inclination stipulated in IACS UR M46(Rev.1) and amended them to be consistent with IACS UR E10(Rev.7). This amendment was adopted as IACS UR M46(Rev.2) in December 2018.

Accordingly, relevant requirements were amended based upon IACS UR M46(Rev.2).

Outline of Amendment

With respect to switch gears such as circuit breakers, etc., the angle of inclination to be considered so as not to cause malfunction was amended to 22.5 degrees.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part D: Table D1.1
Part H: 1.1.7, Table H1.2, 2.6.1, 2.6.3, 2.7.2
Rules for High Speed Craft Part 9 1.2.1, Table 9.1.1
Rules for the Survey and Construction of Inland Waterway Ships
Part 7 Table 7.1.1
Part 8 1.1.7, Table 8.1.2, 2.6.1, 2.6.3, 2.7.2