

Verification of Astern Characteristics

Amended Rules and Guidance

Rules for High Speed Craft
Guidance for the Survey and Construction of Steel Ships Part B
Guidance for High Speed Craft

Reason for Amendment

IACS Unified Requirement (UR) M25 stipulates that main propulsion systems of ships are to be capable of providing sufficient astern power to the ships.

In recent years, however, IACS has received reports of coming into contact with tugs or port facilities because of insufficient verification of astern power. Thus, IACS discussed the verification of the astern characteristics of main propulsion systems, including response times when switching from running ahead to running astern, at the construction stage; and consequently adopted IACS UR M25(Rev.4) in June 2017 to require all ships to be subject to such verification.

Furthermore, IACS also discussed how significant repairs to main propulsion systems of ships in service might affect the above-mentioned astern characteristics. As a result of these discussion, IACS also adopted IACS UR Z18(Rev.7) in June 2017 to stipulates that verification of astern characteristics, as required by UR M25(Rev.4), is to be carried out at sea trials after the above-mentioned repairs.

Accordingly, all relevant requirements were amended based upon IACS URs M25(Rev.4) and Z18(Rev.7).

Outline of Amendment

- (1) Specified that astern tests are to be carried out for all ships during Classification Surveys.
- (2) Specified that ships in service are to undergo astern tests in accordance with the requirements applied at Classification Surveys after significant repairs are carried out to main propulsion machinery.

Amended Requirements

Rules for High Speed Craft Part 2 2.1.4
Guidance for the Survey and Construction of Steel Ships
Part B: B2.1.4, B2.3.1, B2.5.1
Guidance for High Speed Craft Part 2 2.1.4, 2.3.1, 2.5.1