

Torsional Strength of Container Carriers

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part C

Reason for Amendment

IACS Unified Requirement (UR) S34 specifies functional requirements on load cases for strength assessment of container ships by finite element analysis. It was adopted by IACS in May 2015.

Therefore, requirements related to the torsional strength assessment based upon global analysis were amended in accordance with IACS UR S34. Requirements related to the cargo hold analysis in IACS UR S34 were previously incorporated into the NK Rules on 25 December 2015.

Outline of Amendment

- (1) Amended the types of container carriers required to be assessed according to the “Guidelines for Hull Girder Torsional Strength Assessment” in the “Guidelines for Container Carrier Structures”.
- (2) Amended the vertical wave induced bending moment considered when carrying out torsional strength assessment of container carriers so that it is in accordance with 32.2.3-8, Part C of the Rules, which specifies requirements based upon IACS UR S11A.