

Software Used for Stability Calculations for MODUs and Ro-Ro Passenger Ships

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part B
Guidance for the Survey and Construction of Steel Ships Parts B and P
Guidance for the Survey and Construction of Passenger Ships

Reason for Amendment

IACS Unified Requirement (UR) L5 ensures that the computational accuracy and approval of software used for onboard stability computers is consistent among IACS members. In response to the newly established SOLAS Regulation II-1/8-1.3, which specifies that either an onboard stability computer or shore-based support is to be provided for passenger ships, IACS adopted UR L5(Rev.3) in June 2017 to specify requirements related to the software used for these computers.

Requirements of UR L5(Rev.3) related to cargo ships and passenger ships have already been incorporated into the ClassNK Rules; This time, however, relevant requirements were further amended to specify that UR L5(Rev.3) are also applies to stability computers installed on mobile offshore units. In addition, relevant requirements were amended so that the requirements based upon the regional regulations of UR L5(Rev.3) are stated in the relevant Guidance.

Outline of Amendment

- (1) Specified requirements related to survey of the computer for stability calculation installed on mobile offshore units.
- (2) Specified that computers used for stability calculation installed on mobile offshore units to supplement the stability information booklet are to comply with Annex U1.2.2, Guidance for the Survey and Construction of Steel Ships Part U.
- (3) Specified requirements related to the software used for the stability computer installed on Ro-Ro passenger ships subject to the Stockholm Agreement (IMO Circular Letter No.1891).

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part B: 12.2.6
Guidance for the Survey and Construction of Steel Ships
Part B: B12.2.6
Part P: P18.2.2
Guidance for the Survey and Construction of Passenger Ships
Part 4: 2.5.1