

The Damage Stability

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part D
Guidance for the Survey and Construction of Steel Ships Part C
Rules for the Survey and Construction of Passenger Ships
Guidance for the Survey and Construction of Passenger Ships

Reason for Amendment

At the 80th session of the IMO Maritime Safety Committee (MSC 80) held in May 2005, an amendment, which mainly amends requirements regarding damage stability, to Chapter II-1 of the SOLAS Convention was adopted as Resolution MSC.194(80). Therefore, necessary amendments to the relevant requirements of our Rules and Guidance were published on 27 February 2008.

However, regarding the requirements for the damage stability calculations for cargo ships and passenger ships, some of the requirements in our Rules and Guidance were unclear.

In addition, because it was not clear how to treat the assumed flooding volume in the damage stability calculations under the Chapter II-1 of SOLAS contained in Resolution MSC.194(80), concerns were raised. In response to such concerns, IACS adopted Unified Interpretation SC225.

Accordingly, relevant requirements have been amended in accordance with Resolution MSC.194(80) and IACS Unified Interpretation SC225.

Outline of Amendment

The main contents of amendment are as follows.

- (1) Regarding the assumed flooding volume in damage stability calculations, it has been specified that such flooding volume is to be the moulded volume.
- (2) Regarding the damage stability calculations required for the purpose of their omission with respect to double bottom constructions, this draft has amended the considerable service condition.
- (3) Regarding passenger ships, this draft amendment has specified the detail requirements of damage stability calculation.