

Hold Frames in Existing Bulk Carriers

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part C
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Reason for Amendment

IACS adopted the unified requirement (UR) S31 in November 2002 for the improvement of strength of hold frames, as a tighter safety measure for existing bulk carriers. UR S31 requires that the strength of hold frames be reviewed at a point of time as given according to the ship's age on 1 January 2004, and then to renew or reinforce the hold frames as necessary.

Since many interpretations and detail applications had been confirmed and agreed through the implementation of UR S31 to considerable numbers of bulk carriers from 1 January 2004, IACS amended UR S31 so as to specify such interpretations and detail applications.

Accordingly, relevant requirements were amended in accordance with UR S31 (Rev.4).

Outline of Amendment

- (1) Detail application of the requirements of renewal criteria regarding web depth to thickness ratio was specified.
- (2) Loading conditions to be considered in strength check of hold frames was clarified.