

Application of Steels

Amended Rules and Guidance

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

Reason for Amendment

IACS Unified Requirements (UR) S6 (Rev.8) stipulates the application categories for steels used for hull structural members, and these categories are based upon a design temperature which is -10°C or above.

On the other hand, the application of steels used for ships intended to operate in low air temperature is based upon a design temperature which is below -20°C ; this means, however, that the application of steels whose design temperatures are -20°C or above but below -10°C is unclear. Therefore, IACS conducted a review of the application of steels which fall within this temperature range.

In addition, UR S6 (Rev.8) does not stipulate the application of steels which takes into account of the loading of cold liquid cargoes onto ships other than liquefied gas carriers, and the application of steels with respect to such ships is left to the discretion of each classification society; this, however, means that the application of such steels may differ among IACS members. IACS, therefore, discussed establishing a common treatment for the application of steels to be used for cargo tank boundary plating relevant to the loading of cold liquid cargoes. This common treatment as well as the amendments mentioned above were adopted by IACS as UR S6 (Rev.9) in July 2018.

Accordingly, relevant requirements were amended in accordance with IACS Unified Requirements S6 (Rev.9).

Outline of Amendment

- (1) Specified requirements related to the application of steels for the design temperature range of -20°C or above but below -10°C .
- (2) Specified requirements related to the application of steels to be used for cargo tank boundary plating of ships other than liquefied gas carriers intended to be loaded with cold liquid cargoes.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part C: 1.1.12
Guidance for the Survey and Construction of Steel Ships
Part C: C1.1.12, Table C1.1.12-1(1), Table C1.1.12-1(2), Fig. C1.1.12-1(2),
Fig. C1.1.12-1(3)