

Thickness Measurements for Ships Without Cargo Spaces

Amended Rules

Rules for the Survey and Construction of Steel Ships Part B

Reason for Amendment

IACS Unified Requirements (UR) Z7 stipulate requirements for hull classification surveys, and these requirements have been incorporated into the NK Rules.

Among the requirements in the UR, the application of requirements related to thickness measurements carried out during Special Surveys of ships without cargo space was not clear. IACS, therefore, reviewed said requirements to clarify their application and then adopted amendments to the UR as UR Z7(Rev.29) in May 2022.

Accordingly, relevant requirements are amended in accordance with UR Z7(Rev.29).

Outline of Amendment

Amends relevant requirements to clarify the application of requirements related to thickness measurements carried out during Special Surveys for ships without cargo spaces.

“Rules for the survey and construction of steel ships” has been partly amended as follows:

Part B CLASS SURVEYS

Chapter 5 SPECIAL SURVEYS

5.2 Special Surveys for Hull, Equipment, Fire Extinction and Fittings

5.2.6 Thickness Measurements*

Table B5.8 has been amended as follows.

Table B5.8 Requirements for Thickness Measurements for Cargo Ships

Special Survey	Structural members subject to thickness measurement
1 Special Survey for ships up to 5 years of age (Special Survey No.1)	(1) Suspect areas (2) All bow doors, inner doors, side shell doors and stern doors when deemed necessary by the Surveyor (plating and stiffeners)
2 Special Survey for ships over 5 years and up to 10 years of age (Special Survey No.2)	(1) Suspect areas (2) Each plate in one section of the strength deck plating for the full beam of the ship within 0.5 <i>L</i> amidships (<u>in way of a cargo space, if applicable</u>) (3) All bow doors, inner doors, side shell doors and stern doors when deemed necessary by the Surveyor (plating and stiffeners)
3 Special Survey for ships over 10 years and up to 15 years of age (Special Survey No.3)	(1) Suspect areas (2) Each plate and member in two transverse sections within 0.5 <i>L</i> amidships. (in way of two different cargo spaces, if applicable). When the selected section is a transversely framed section, adjacent frames and their end connections in way of the transverse section are to be included. (3) Internals in fore and aft. peak ballast tanks (4) Both ends and <u>the</u> middle part of each hatch side and end coaming (plating and stiffeners) (5) All cargo hold hatch covers (plating and stiffeners) (6) All bow doors, inner doors, side shell doors and stern doors when deemed necessary by the Surveyor (plating and stiffeners)
4 Special Survey for ships over 15 years of age (Special Survey No.4 and subsequent Special Surveys)	(1) Suspect areas (2) The following portions of structural members: (a) All exposed main deck plates, full length (b) Each plate and member in three transverse sections of cargo areas within 0.5 <i>L</i> amidships (<u>in way of cargo spaces, if applicable</u>). When the selected section is a transversely framed section, adjacent frames and their end connections in way of the transverse section are to be included. (c) All wind and water strakes, port and starboard, full length (3) Representative exposed superstructure deck plating (poop, bridge and forecastle deck) (4) All keel plates, full length, and an appropriate number of bottom plates in way of cofferdams, machinery spaces and aft end of tanks (5) Plating of sea chests, and shell plating in way of overboard discharges (as deemed necessary by the Surveyor) (6) In all cargo holds, all lowest strakes and strakes in way of tween decks of all watertight transverse bulkheads in cargo spaces together with internals in way (7) Structural members specified in (3) to (6) of Special Survey No.3