

Anchoring, Towing and Mooring Equipment

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Parts B, C, CS, L and Q
Guidance for the Survey and Construction of Steel Ships Parts A, C, CS and Q
Rules for High Speed Craft
Rules for the Survey and Construction of Inland Waterways Ships
Guidance for the Survey and Construction of Inland Waterways Ships
Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Reason for Amendment

IACS Unified Requirements (UR) A1 and A2 stipulate requirements for anchors and cable chains as well as towing and mooring equipment (including their respective supporting hull structures), while IACS Recommendation (Rec.) No.10 specifies recommendations for towing and mooring lines provided onboard. These requirements and recommendations have already been incorporated into the ClassNK Rules and Guidance.

After the publication of UR A1, A2 and Rec. No.10 in 2005, IACS received some comments from concerned industry members and IACS member societies requesting that IACS take some kind of action regarding observations pointed out in damage reports of the UK Marine Accident Investigation Branch (MAIB) related to recent towing and mooring accidents. In response, IACS established a project team in 2010 to comprehensively review the above-mentioned requirements and recommendations, and to verify their effectiveness. IACS also subsequently started a Joint Working Group involving relevant industry organizations such as ICS, OCIMF, INTERTANKO, IMPA, EHMC, Nautical Institute, etc., to exchange information and involve outside experts in the review of the requirements.

As a result of these discussions and verification, IACS URs A1, A2 and IACS Rec. No.10 were amended at the end of 2016 and will be applied to ships contracted for construction on and after 1 July 2018.

Accordingly, the relevant requirements were amended in accordance with IACS URs A1, A2 and IACS Rec. No.10.

Outline of Amendment

- (1) Introduced a new approach for determining the strength and the number of mooring lines for ships whose Equipment Numbers exceed 2,000.
- (2) Amended design requirements for towing and mooring fittings, and their respective supporting hull structures in line with (1) above.
- (3) Specified design requirements for the supporting hull structures of windlasses and chain stoppers.
- (4) Specified the guidance for anchoring equipment used in deep water anchoring.
- (5) Amended the type approval procedures of anchors.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part B: 2.1.6, Table B 3.2
Part C: 27.1.1, 27.1.5, 27.1.6, 27.1.7, 27.1.8, 27.2, Table C27.1, Table C27.2, Fig. C27.1, Fig. C27.2, Fig. C27.3

Part CS: 23.1.1, 23.1.5, 23.1.6, 23.1.7, 23.2, Table CS23.1, Table CS23.2, Fig. CS23.1, Fig. CS23.2, Fig. CS23.3

Part L: Table L2.3

Part Q: 19.1.1, 19.1.2, 19.1.5, 19.1.6, 19.1.7, Table Q19.1, Table Q19.2, 23.2.3, 23.3.5

Guidance for the Survey and Construction of Steel Ships

Part A: A1.2.4

Part C: C27.1.1, Table C27.1.1-1, C27.1.2, C27.1.4, C27.1.5, Fig. 27.1.5-1., C27.2, Fig. CS27.2.2-1., Fig. C27.2.2-2

Part CS: Table CS

Part Q: Table Q

Rules for High Speed Craft

Part 7: 1.1.1, Table 7.1.1, 1.1.5, 1.1.6, 1.1.7, 1.1.8

Rules for the Survey and Construction of Inland Waterways Ships

Part 4: 16.1.1, Table 4.16.1, 16.1.6, 16.1.7

Part 5: 14.1.1, 14.1.2, 14.1.5, 14.1.6, 14.1.7 Table 5.14.1, Table 5.14.2

Guidance for the Survey and Construction of Inland Waterways Ships

Part 4: 16.1.1, 16.1.5, Fig. 4.16.1.5-1

Part 5: 14.1.5, Fig. 5.14.1.5-1

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

Part 2: 1.6.1, 1.7.1