

IGF Code

Established Rules and Guidance

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

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Parts A, B, CS, D, K, M, N, and R
Rules for Anti-Fouling Systems on Ships
Rules for High Speed Craft
Rules for the Survey and Construction of Passenger Ships
Rules for the Survey and Construction of Inland Waterway Ships
Guidance for the Classification and Registry of Ships
Guidance for the Survey and Construction of Steel Ships Parts B, C, K, N, and R
Guidance for High Speed Craft
Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use
Guidance for the Survey and Construction of Passenger Ships
Guidance for the Survey and Construction of Inland Waterway Ships

Reason for Establishment and Amendment

Over the past 10 years or so, there has been a growing interest in ships which use natural gas as propulsion fuel due to concerns about impact that more traditional propulsion fuels have upon the environment. Therefore, the IMO developed non-mandatory requirements related to such ships as the “Interim Guidelines on Safety for Natural Gas-Fuelled Engine Installations in Ships” and these were adopted as resolution MSC.285(86) at the 86th Session of the IMO Maritime Safety Committee (MSC86) held in June 2009.

After these guidelines were adopted, The IMO then began discussing whether a mandatory code needed to be established for ships using natural gas or low-flashpoint fuels for propulsion from the perspective of ensuring the safety of not only the ships themselves, but also for their crews.

As a result of these discussions, the IMO established the “International Code of Safety for Ships using Gases or other Low-flashpoint Fuels” (IGF) Code and also adopted amendments to SOLAS respectively as resolutions MSC.391(95) and MSC.392(95) at the 95th Session of the IMO Maritime Safety Committee (MSC95) held in June 2015.

In response to the above, ClassNK developed a new part of its “Rules and Guidance for the Survey and Construction of Steel Ships” based upon resolutions MSC.391(95) and MSC.392(95). This new part is known as “Part GF” and it includes specific requirements for ships using low-flashpoint fuels.

In addition, requirements in other parts of the ClassNK Rules and Guidance which are related to the establishment of Part GF were also amended accordingly.

Outline of Establishment and Amendment

The main contents of this establishment/amendment are as follows:

- (1) Specified notation for ships using low-flashpoint fuels.
- (2) Specified functional requirements for ships using low-flashpoint fuels.
- (3) Specified the requirements related to the following for ships using gas fuels:
 - (a) fuel containment systems;
 - (b) fuel piping systems;
 - (c) bunkering arrangements and fuel supply systems;
 - (d) fire safety systems
 - (e) definition of hazardous areas;
 - (f) installation and specification of ventilation systems; and
 - (g) specification of electrical installations.
- (4) Specified requirements related to operation manuals and emergency manuals.

Established and Amended Requirements

Rules for the Survey and Construction of Steel Ships

Part GF (Established)

Part A: 1.2.4, 2.1.44, 2.1.45, 2.1.46, 2.1.47, 2.1.48, 2.1.49, 2.1.50

Part B: 1.3.1, 2.1.2, 2.1.3, 2.1.4, 2.1.6, 2.2.1, 3.6, Table B3.11, 4.6, Table B4.8, 5.2.6, 5.6, Table B5.29, Table B5.30, Table B5.31

Part C: 6.1.1, 6.1.3

Part CS: 6.1.1, 6.1.3

Part D: 9.9.7, 13.15.4, 18.4.1, 18.6.8

Part K: 1.1.1, 3.1.1, 3.1.10, 3.2.1, 3.3.1, 3.4.1, Table K3.15, Table K3.17, 3.4.11, 3.5.1, 3.6.1, 3.7.1, 3.8.1, Table K3.28, Table K3.30, 3.8.11, 3.9.1, 4.1.1, 4.2.1, 4.3.1, 4.4.1, 4.5.1, Table K4.28, 4.5.10, 5.1.1, 5.2.1, 5.3.1, 5.4.1, Table K5.8, 5.4.8, 5.5.1, 5.6.1, 5.7.1, 6.1.1, 6.2.1, 6.3.1, 6.4.1, Table K6.12, 6.4.8, 7.1.1, 7.2.1, 8.1.1

Part M: Table M4.8, 4.2.11, 6.1.7

Part N: 6.3.2, 6.4, 6.4.2, Table N6.3

Part R: 4.2.1

Rules for Anti-Fouling Systems on Ships 1.1.3

Rules for High Speed Craft Part 1 1.1.8, 1.2.4, 2.1.49, 2.1.50, 2.1.51, 2.1.52, 2.1.53,

Part 2 2.1.2, 2.1.3, 2.1.4, 2.1.6, 2.2.1, 3.11, 3.12, 3.13

Rules for the Survey and Construction of Passenger Ships Part 1 1.1.6, 1.1.7, 1.2.4, 2.1.38,

Part 2 2.1.2, 2.1.3, 2.1.5, 2.1.7, 2.2.1, 3.1.1, 4.1.1

Rules for the Survey and Construction of Inland Waterway Ships Part 1 1.1.8, 1.1.9, 1.1.10,

1.1.11, 1.1.12, 1.1.13, 1.2.3, 2.1.40, 2.1.41, 2.1.42, 2.1.43, 2.1.44, Part 2 1.3.1, 2.1.2, 2.1.3, 2.1.4, 2.1.6, 2.2.1, 3.4, 4.4, 5.4, Part 7 11.14.2, 14.4.1, 14.6.8, Part 9 3.2.1

Guidance for the Survey and Construction of Steel Ships

Part GF (Established)

Guidance for the Classification and Registry of Ships Appendix 1 Form 1A-1, 3A-2

Guidance for the Survey and Construction of Steel Ships

Part B: B1.1.3, B2.1.2, B2.1.6, B3.6, B4.6, B5.2.6, B5.6

Part C: Table C6.1.1-1

Part K: K1.1.1

Part N: N5.8.2, N6.4.1, Annex 1 1.2, 6.4.2

Part R: R4.2.1

Guidance for High Speed Craft Part 2 1.1.3

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

Part 1 1.1.1, 1B.1.1, 2.1.1, 3.1.1, 5.1.1, 6.1.1, Part 4 Chapter 2, 2.1.1, 2.4.2, Part 6
2.1.1, 3.1.1

Guidance for the Survey and Construction of Passenger Ships Part 2 1.1.3

Guidance for the Survey and Construction of Inland Waterway Ships Part 1 2.1.43, Part 2
1.1.2, Part 9 3.2.1