

GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part GF

Ships Using Low-Flashpoint Fuels

Guidance for the Survey and Construction of Steel Ships

Part GF

2021 AMENDMENT NO.1

Notice No.28 30 June 2021

Resolved by Technical Committee on 27 January 2021

ClassNK
NIPPON KAIJI KYOKAI

Notice No.28 30 June 2021

AMENDMENT TO THE GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

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

Part GF SHIPS USING LOW-FLASHPOINT FUELS

Amendment 1-1

GF16 MANUFACTURE, WORKMANSHIP AND TESTING

GF16.3 Welding of Metallic Materials and Non-destructive Testing for the Fuel Containment System

GF16.3.6 Non-destructive Testing

Sub-paragraph -5 has been amended as follows.

5 For the purpose of the requirements in **16.3.6-7, Part GF of the Rules**, radiographic tests of secondary barriers where the hull structure acts as the secondary barrier are to be carried out for butt welded joints of the double bottom tank top platings and bulkhead platings in addition to the objects of inspections specified in ~~Annex M1.4.2-3(1) “GUIDANCE FOR NON-DESTRUCTIVE INSPECTIONS ON INTERNAL IMPERFECTIONS OF THE WELDED JOINTS OF HULL CONSTRUCTIONS”~~ **Chapter 8, Part M of the Rules**. Acceptance criteria of radiographic tests are to be in accordance with the requirements specified in ~~Annex M1.4.2-3(1)~~ **Chapter 8, Part M of the Rules**.

EFFECTIVE DATE AND APPLICATION (Amendment 1-1)

1. The effective date of the amendments is 1 July 2021.
2. Notwithstanding the amendments to the Guidance, the current requirements apply to ships for which the date of contract for construction* is before the effective date.
* “contract for construction” is defined in the latest version of IACS Procedural Requirement (PR) No.29.

IACS PR No.29 (Rev.0, July 2009)

1. The date of “contract for construction” of a vessel is the date on which the contract to build the vessel is signed between the prospective owner and the shipbuilder. This date and the construction numbers (i.e. hull numbers) of all the vessels included in the contract are to be declared to the classification society by the party applying for the assignment of class to a newbuilding.
2. The date of “contract for construction” of a series of vessels, including specified optional vessels for which the option is ultimately exercised, is the date on which the contract to build the series is signed between the prospective owner and the shipbuilder.
For the purpose of this Procedural Requirement, vessels built under a single contract for construction are considered a “series of vessels” if they are built to the same approved plans for classification purposes. However, vessels within a series may have design alterations from the original design provided:
 - (1) such alterations do not affect matters related to classification, or
 - (2) If the alterations are subject to classification requirements, these alterations are to comply with the classification requirements in effect on the date on which the alterations are contracted between the prospective owner and the shipbuilder or, in the absence of the alteration contract, comply with the classification requirements in effect on the date on which the alterations are submitted to the Society for approval.

The optional vessels will be considered part of the same series of vessels if the option is exercised not later than 1 year after the contract to build the series was signed.
3. If a contract for construction is later amended to include additional vessels or additional options, the date of “contract for construction” for such vessels is the date on which the amendment to the contract, is signed between the prospective owner and the shipbuilder. The amendment to the contract is to be considered as a “new contract” to which 1. and 2. above apply.
4. If a contract for construction is amended to change the ship type, the date of “contract for construction” of this modified vessel, or vessels, is the date on which revised contract or new contract is signed between the Owner, or Owners, and the shipbuilder.

Note:

This Procedural Requirement applies from 1 July 2009.

Annex 1 GUIDANCE FOR EQUIPMENT AND FITTINGS OF SHIPS USING LOW-FLASHPOINT FUELS

Chapter 1 GENERAL

1.3 Tests

Sub-paragraph -3 has been amended as follows.

3 The tests specified in **-1** and **-2** above are to be conducted at manufacturing plants. At the request of the manufacturer, however, parts or all of these tests may be conducted after installation on board ship in cases where deemed appropriate by the Society. To implement surveys of shop tests, in lieu of traditional ordinary surveys where the Surveyor is in attendance, the Society may approve survey methods which it considers to be able to obtain information equivalent to that obtained through traditional ordinary surveys.

Annex 2 GUIDANCE FOR GAS-FUELLED BOILERS

Chapter 4 TESTS

4.2 Shop Tests

Sub-paragraph -2 has been amended as follows.

2 Operating tests of burners are to be conducted using the gas fuel. Shop tests using only oil fuel, however, may be accepted in cases deemed appropriate by the Society when the burners are of the same or similar type as burners which have passed the prototype tests specified in **4.1**. To implement surveys of tests, in lieu of traditional ordinary surveys where the Surveyor is in attendance, the Society may approve survey methods which it considers to be able to obtain information equivalent to that obtained through traditional ordinary surveys.

Annex 3 GUIDANCE FOR HIGH PRESSURE GAS-FUELLED ENGINES

Chapter 4 TESTS

4.2 Shop Tests

Paragraph 4.2.2 has been amended as follows.

4.2.2 Shop Trials

High pressure gas-fuelled engines are to be tested as specified in **D2.6.1-3, Part D of the Guidance**. To implement surveys of tests, in lieu of traditional ordinary surveys where the Surveyor is in attendance, the Society may approve survey methods which it considers to be able to obtain information equivalent to that obtained through traditional ordinary surveys.

Annex 4 GUIDANCE FOR LOW PRESSURE GAS-FUELLED ENGINES

Chapter 4 TESTS

4.2 Shop Tests

Paragraph 4.2.2 has been amended as follows.

4.2.2 Shop Trials

Low pressure gas-fuelled engines are to be tested as specified in **D2.6.1-2, Part D of the Guidance**. To implement surveys of tests, in lieu of traditional ordinary surveys where the Surveyor is in attendance, the Society may approve survey methods which it considers to be able to obtain information equivalent to that obtained through traditional ordinary surveys.

EFFECTIVE DATE AND APPLICATION (Amendment 1-2)

1. The effective date of the amendments is 1 July 2021.