
RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part M **Welding**

RULES

2023 AMENDMENT NO.1

Rule No.29 30 June 2023

Resolved by Technical Committee on 25 January 2023

An asterisk (*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

Rule No.29 30 June 2023

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

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

Part M WELDING

Amendment 1-1

Chapter 5 WELDERS AND WELDERS QUALIFICATION TESTS

5.1 General

Paragraph 5.1.2 has been amended as follows.

5.1.2 Qualification Test Applications*

In the case of applications for qualification tests, the shipyard or manufacturer (hereinafter referred to as “applicant”) to which the welder taking the qualification tests belongs is to submit ~~a completed welder qualification test~~ an application form (**Form-WE(E)**) along with a photograph of the welder to the Society (relevant branch office or service site).

EFFECTIVE DATE AND APPLICATION (Amendment 1-1)

- 1.** The effective date of the amendments is 30 June 2023.

Chapter 1 GENERAL

1.4 Inspection and Quality for Weld

1.4.2 Quality and Repair*

Sub-paragraph -1(2) has been amended as follows.

1 The quality of weld is to be assured in accordance with the requirements provided below.

(1) (Omitted)

(2) Visual inspection of weld

Visual inspection of weld is to be carried out. The weld is to be free from weld cracks, excess weld metal or excessive convexity and surface harmful imperfections, such as undercuts, overlaps, etc., and excessive misalignment and deformation. The size of fillet welds is to comply with the requirements specified in ~~1-2-3~~ **12.2, Part 1, 12.1.1, Part 2-6 and 12.1.2, Part 2-7, Part C.**

(3) (Omitted)

Chapter 8 NON-DESTRUCTIVE INSPECTION FOR THE WELDED JOINTS OF HULL CONSTRUCTIONS

8.4 General Plan of Non-destructive Inspection

8.4.3 Non-destructive Test Application Procedure*

Sub-paragraph -8 has been amended as follows.

8 Ultrasonic testing is to be carried out on all block-to-block butt joints of all upper flange longitudinal structural members in the cargo hold region of container carriers applying extremely thick steel plates which complies with ~~32-13, Part C of the Rules~~ **10.5, Part 2-1, Part C.** Upper flange longitudinal structural members include the topmost strakes of the inner hull/bulkhead, the sheer strake, strength deck, hatch side coaming plate, coaming top plate, and all attached longitudinal stiffeners. These members are shown in **Fig. M8.1.**

EFFECTIVE DATE AND APPLICATION (Amendment 1-2)

1. The effective date of the amendments is 1 July 2023.
2. Notwithstanding the amendments to the Rules, the current requirements apply to the following ships:
 - (1) ships for which the date of contract for construction is before the effective date; or
 - (2) sister ships of ships subject to the current requirements for which the date of contract for construction is before 1 January 2025.

GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part M

Welding

GUIDANCE

2023 AMENDMENT NO.1

Notice No.28 30 June 2023

Resolved by Technical Committee on 25 January 2023

Notice No.28 30 June 2023

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 M WELDING

M2 WELDING WORKS

M2.4 Welding Process

M2.4.1 Selection of Welding Consumables

Sub-paragraph -5 has been amended as follows.

5 The wording “measures deemed appropriate by the Society” stipulated in **Note (4) of Table M2.1, Part M of the Rules** means applying corrosion protection in accordance with ~~25.2.3(1), 3.3.5.4-1(1), Part 1, Part C of the Rules~~ or **22.4.3(1), Part CS of the Rules** to welded parts.

M8 NON-DESTRUCTIVE INSPECTION FOR THE WELDED JOINTS OF HULL CONSTRUCTIONS

M8.6 Non-destructive Testing Criteria

Paragraph M8.6.2 has been amended as follows.

M8.6.2 Quality Level

The wording “Where it is deemed necessary by the Society” in **8.6.2-1, Part M of the Rules** means the cases in which electro-gas welding is applied to container carrier hatch side coamings that are constructed of extremely thick steel plates which comply with ~~32.13~~**10.5, Part 2-1, Part C of the Rules**.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 July 2023.
2. Notwithstanding the amendments to the Guidance, the current requirements apply to the following ships:
 - (1) ships for which the date of contract for construction is before the effective date; or
 - (2) sister ships of ships subject to the current requirements for which the date of contract for construction is before 1 January 2025.