
RULES FOR SAFETY EQUIPMENT

RULES

2015 AMENDMENT NO.1

Rule No.65 25th December 2015

Resolved by Technical Committee on 28th July 2015

Approved by Board of Directors on 14th September 2015

“Rules for safety equipment” has been partly amended as follows:

Chapter 2 SURVEYS OF SAFETY EQUIPMENT

2.1 General

Paragraph 2.1.7 has been added as follows.

2.1.7 Firms Engaged in Inspecting, Testing, Maintaining and Servicing, etc.

Unless otherwise specified, the following (1) to (4) are to apply:

- (1) Third parties engaged in the inspecting, performance testing or maintaining of automatic identification systems (AIS), if used, are to be any of the following: firms complying with **Chapter 4, Part 3 of the Rules for Approval of Manufacturers and Service Suppliers** and approved by the Society; firms approved by the Administration; firms approved by duly authorized organizations acting on behalf of the Administration; or firms approved by other organizations which are acceptable to the Administration.
- (2) Third parties engaged in the testing or servicing of voyage data recorders (VDR), including simplified voyage data recorders (S-VDR), if used, are to be any of the following: firms complying with **Chapter 5, Part 3 of the Rules for Approval of Manufacturers and Service Suppliers** and approved by the Society; firms approved by the Administration; firms approved by duly authorized organizations acting on behalf of the Administration; or firms approved by other organizations which are acceptable to the Administration.
- (3) Third parties engaged in the servicing of inflatable liferafts, inflatable lifejackets, hydrostatic release units, inflatable rescue boats or marine evacuation systems, if used, are to be any of the following: firms complying with **Chapter 7, Part 3 of the Rules for Approval of Manufacturers and Service Suppliers** and approved by the Society; firms approved by the Administration; firms approved by duly authorized organizations acting on behalf of the Administration; or firms approved by other organizations which are acceptable to the Administration.
- (4) Third parties engaged in the servicing and maintaining of lifeboats, launching appliances, on-load release gear and automatic release hooks, if used, are to be any of the following: firms complying with **Chapter 10, Part 3 of the Rules for Approval of Manufacturers and Service Suppliers** and approved by the Society; firms approved by the Administration; firms approved by duly authorized organizations acting on behalf of the Administration; or firms approved by other organizations which are acceptable to the Administration.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2016.
2. Notwithstanding the amendments to the Rules, the current requirements may apply to manufacturing works and service suppliers approved by the Society before 1 January 2016 until 31 December 2018 or the expiry date of their certificate, whichever comes first.

GUIDANCE FOR SAFETY EQUIPMENT

GUIDANCE

2015 AMENDMENT NO.1

Notice No.84 25th December 2015

Resolved by Technical Committee on 28th July 2015

“Guidance for safety equipment” has been partly amended as follows:

Chapter 3 ARRANGEMENTS AND PERFORMANCE

3.1 General

3.1.1 General

Sub-paragraphs -20 to -23 have been added as follows.

20 All interlocks (mechanical protection of on load release), which include hydrostatic components in the operating mechanism, are also to be of material corrosion resistant in the marine environment as required by LSA Code 4.4.7.6.9. The material is to be in accordance with the following requirements:

(1) In cases where stainless steel having a Pitting Resistance Equivalent Number (*PREN*) of less than 25, which is given by the following formula, or another corrosion resistant material/alloy is used, the material corrosion resistance is to be verified by corrosion testing according to *ISO9227:2012* or other equivalent recognized national standards.

$$PREN = 1 \cdot \%Cr + 3.3(\%Mo + 0.5 \cdot \%W) + 16 \cdot \%N$$

(a) In cases where a confirmation of corrosion resistance of the material is made by testing in accordance with *ISO9227:2012*, the testing is to be performed with the procedures specified in the following i) to ii):

i) A neutral salt spray (*NSS*) test is to be carried out with 1000 hours test duration for components outside the lifeboat, and 160 hours for those inside the lifeboat. The tests may be conducted by using round specimens (diameter is 14 mm) specified in **Table K2.1 of Part K of the Rules for the Survey and Construction of Steel Ships** instead of the actual components; and

ii) After the test, the release mechanism is to be subjected to the load and release test specified in **1.1.1-4(1) of Annex 6, Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use** and confirmed to be in good condition. The load and release is to be repeated 10 times.

(b) In cases where the test is conducted using the round specimens specified in (a)i) above, tensile tests are to be conducted in lieu of the load and release test. The results from the tests are to verify that the reduction in the ultimate tensile strength and reduction in the cross sectional area ratio is less than 5% between corrosion tested and non-corrosion tested specimens.

(2) Stainless steels having a *PREN* of 25 or more, as calculated by the formula given in (1), do not require corrosion testing according to *ISO 9227:2012* or other equivalent recognized national standards.

(3) In cases where austenitic stainless steels (e.g., 316L or 316) are used for welded structures, the risk of sensitisation to intergranular corrosion is to be addressed by the component manufacturer's quality control system.

(4) Since austenitic stainless steels 201, 304, 321, 347 are susceptible to pitting and crevice corrosion, they are unsuitable for all components of hook units, release handle units, control cables or mechanical operating links, and the fixed structural connections in lifeboats.

21 With respect to the application of LSA Code 4.4.7.6.6, the reset function is also to apply to the “other means” or “similar device” referred to in LSA Code 4.4.7.6.7.2.

22 In cases where a safety pin (FPDs) is fitted to facilitate compliance with Regulation 1.5, Chapter III of the Annex to the Convention, the safety pin arrangement is to be acceptable to the hook manufacturer (as defined in paragraph 9.9 of the Annex to MSC.1/Circ.1392) in accordance with paragraph 4 of the Annex to MSC.1/Circ.1327.

23 The hanging off arrangement (including connections to lifeboat release and retrieval systems and davits), as required by LSA Code 4.4.7.6.14, is to be designed with a calculated factor of safety of 6 based on the ultimate strength of the materials used, and the mass of the lifeboat when loaded with its full complement of fuel and equipment plus 1,000 kg equally distributed between the falls.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2016.
2. Notwithstanding the amendments to the Guidance, the current requirements may apply to lifeboat release mechanism other than those for which the application for approval is submitted to the Society on or after the effective date.