
RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

RULES

Part N

Ships Carrying Liquefied Gases in Bulk

2010 AMENDMENT NO.1

Rule No.83 15th October 2010

Resolved by Technical Committee on 6th July 2010

Approved by Board of Directors on 27th July 2010

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 N SHIPS CARRYING LIQUEFIED GASES IN BULK

Chapter 5 PROCESS PRESSURE VESSELS AND LIQUID, VAPOUR, AND PRESSURE PIPING SYSTEMS

5.4 Piping Fabrication and Joining Details (IGC Code 5.4)

5.4.6 Welding, Post-weld Heat Treatment and Non-destructive Testing

Sub-paragraph -3 has been amended as follows.

3 For butt welded joints, in addition to normal controls before and during the welding and to the visual inspection of the finished welds, as necessary for proving that the welding has been carried out correctly and according to the requirements of this paragraph, the following tests are to be required:

- (1) 100% radiographic inspection of butt welded joints for piping systems with design temperatures lower than -10°C and with inside diameters of more than 75mm or wall thicknesses greater than 10mm . When such butt welded joints of piping sections are made by automatic welding procedures in the pipe fabrication shop, upon special approval by the Society, the extent of radiographic inspection may be progressively reduced but in no case to less than 10% of each joint. If defects are revealed the extent of examination is to be increased to 100% and is to include inspection of previously accepted welds.
- (2) For other butt welded joints of pipes not covered by (1) above, spot radiographic tests or other non-destructive tests are to be carried out at the discretion of the Society depending upon service, position and materials. In general, at least 10% of butt welded joints of pipes are to be radio-graphed.

EFFECTIVE DATE AND APPLICATION

- 1.** The effective date of the amendments is 15 October 2010.
- 2.** Notwithstanding the amendments to the Rules, the current requirements may apply to ships for which the date of contract for construction is before the effective date.

GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part N

Ships Carrying Liquefied Gases in Bulk

GUIDANCE

2010 AMENDMENT NO.1

Notice No.94 15th October 2010

Resolved by Technical Committee on 6th July 2010

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

Part N SHIPS CARRYING LIQUEFIED GASES IN BULK

N5 PROCESS PRESSURE VESSELS AND LIQUID, VAPOUR, AND PRESSURE PIPING SYSTEMS

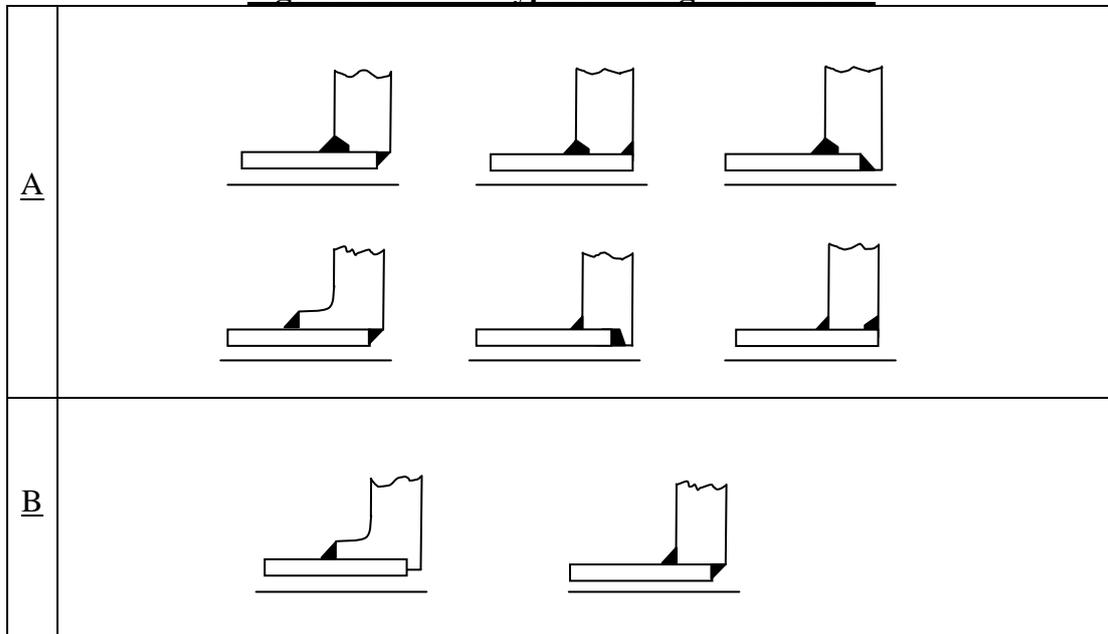
N5.4 Piping Fabrication and Joining Details

Paragraph N5.4.3 has been amended as follows.

N5.4.3 Flange Connection

For the purpose of the requirements in **5.4.3-2, Part N of the Rules**, flange connections are to conform to *JIS* or other standards as deemed appropriate by the Society for their type, manufacturing and testing. The term “slip-on flanges” here refers to the type described in **A** of **Fig. N5.4.3**, and “socket welded flanges” refers to the type described in **B** of **Fig. N5.4.3**.

Fig. N5.4.3 Types of Flange Connection



N14 PERSONNEL PROTECTION

Paragraph N14.4 has been added as follows.

N14.4 Personnel Protection Requirements for Individual Products (*IGC Code 14.4*)

N14.4.3 Decontamination Shower and Eyewash

Decontamination showers and eyewash are to be located in the vicinity of cargo manifolds, cargo pump rooms, etc. which are vulnerable to cargo splashes, and shielding walls are to be provided to prevent crew members from being sprayed by any additional cargo splashes during eye washing. The construction of a special locker for the storage of protective equipment provided in the cargo area is to comply with the requirement in **Chapter 19, Part C of the Rules**. The piping for decontamination showers and eyewash is to be permanent metal piping complying with the requirements in **Chapter 12, Part D of the Rules**, and it is also to be provided with thermal insulation or drain connections at suitable locations to prevent freeze damage.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 15 October 2010.
2. Notwithstanding the amendments to the Guidance, the current requirements may apply to ships for which the date of contract for construction is before the effective date.