

NAVSEA
STANDARD ITEM

FY-27

ITEM NO: 009-095
DATE: 01 OCT 2024
CATEGORY: II

1. SCOPE:

1.1 Title: Mechanically Attached Fitting (MAF); install

2. REFERENCES:

2.1 MIL STD 777, Schedule of Piping Systems, Valves, Fittings, and Associated Piping Components for Naval Surface Ships

2.2 S9086-RK-STM-010/CH-505, Piping Systems

3. REQUIREMENTS:

3.1 Provide control over the use of mechanically attached fittings (MAFs) when approved in accordance with 4.46 of 2.1 as an alternative to the standard welding or brazing of fittings in shipboard piping systems. Select and install MAFs in accordance with Paragraph 505-6.8 of 2.2.

3.2 Prepare a written procedure for approval by the SUPERVISOR identifying the specific MAF process that may be utilized. The procedure requires a one-time submittal/acceptance unless Standard Items and/or references change or contractor's status changes.

3.2.1 The procedure must be in accordance with 2.2 and must include quality control requirements, inspection and documentation forms, safety requirements, installation criteria (procedures), responsibilities, and training program requirements.

3.2.2 Submit one legible copy, in approved transferrable media, of the procedure to the SUPERVISOR at least 7 days prior to initial implementation of procedure.

3.2.2.1 Submit updated or changed procedures to the SUPERVISOR at least 3 days prior to implementation.

3.3 Accomplish the requirements of the approved procedure.

3.3.1 Submit one legible copy, in approved transferrable media, of a report to the SUPERVISOR identifying the type of MAF, location (space), and system where the contractor exercises the option to install MAFs in lieu of weld fittings.

4. NOTES:

4.1 None.