

NAVSEA
STANDARD ITEM

FY-27

ITEM NO: 009-076
DATE: 01 OCT 2024
CATEGORY: II

1. SCOPE:

1.1 Title: Waveguide and Rigid Coaxial Lay-Up; accomplish

2. REFERENCES:

2.1 SE000-01-IMB-010, Navy Installation and Maintenance Book (NIMB), Section IX, Installation Standards (Source CD: N0002400003)

3. REQUIREMENTS:

3.1 Disconnect each dry air pressure line at last mechanical joint as designated by the SUPERVISOR and connect temporary nitrogen or dry air lay-up control/monitor panels and associated equipment to ship's dry air panel.

3.1.1 Where lay-up conditions permit, ensure temporary nitrogen or dry air lay-up control/monitor panels are operational for continuous monitoring of temporary nitrogen or dry air in the equipment space(s).

3.1.1.1 Use of ship's dry air control/monitor panels may be an option, but only when lay-up conditions permit, and verified that equipment's dry air control/monitor panels are operational for continuous monitoring of temporary dry air in the equipment space(s).

3.2 Accomplish uninterrupted nitrogen or dry air lay-up for each waveguide and rigid coaxial cable in accordance with Paragraph 5-2.7 of 2.1.

3.2.1 Do not connect unregulated pressurized air to equipment sub-assemblies or components. Ensure that each temporary dry air pressure source is connected to prevent equipment damage due to over-pressurization. No pressurization must be supplied to waveguide in excess of the normal operating pressures specified for that equipment.

3.2.2 Ensure temporary dry air meets the requirements of Paragraph 5-1.14 and 5-1.15 of 2.1, and the following:

3.2.2.1 Dew Point: Minus 40 degrees Fahrenheit at 80 PSIG.

3.2.2.2 Quality of Air: Filtered to remove all particulate matter greater than one micrometer and filtered for a total amount of contamination (including oil contaminants) not to exceed one part per million by weight.

3.2.3 Pressurize each line as specified for that equipment.

3.2.3.1 Where specific lay-up instructions are not available, pressurize those lines to 3 PSIG.

3.2.3.2 Install relief valve downstream of temporary source, setting relief pressure at 5 PSIG.

3.2.4 Identify leaks in accordance with Paragraph 5-2.7.2 and 5-2.7.3 of 2.1.

3.2.4.1 Submit one legible copy, in approved transferrable media, of a report listing results of the requirements of 3.2.4 to the SUPERVISOR.

3.3 Remove temporary pressurization when directed by the SUPERVISOR. If any ship's dry air control/monitor panels were utilized, restore each and verify operational.

3.3.1 Connect each dry air pressure line disconnected in 3.1.

3.3.2 Purge and pressurize in accordance with Paragraph 5-2.7 of 2.1.

4. NOTES:

4.1 None.