

NAVSEA
STANDARD ITEM

FY-18

ITEM NO: 009-76

DATE: 18 NOV 2016

CATEGORY: II

1. SCOPE:

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

2. REFERENCES:

2.1 Equipment Technical Manual

2.2 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, using 2.1 for guidance.

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).

3.2 Accomplish uninterrupted nitrogen or dry air lay-up for each waveguide and rigid coaxial cable in accordance with Paragraph 5-2.7 of 2.2 and lay-up procedures 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 in accordance with lay-up procedures of 2.1 to prevent equipment damage due to over-pressurization. No pressurization shall 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 2.2, 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 in the lay-up procedures of 2.1.

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 2.2.

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.

3.3.1 Connect the dry air pressure line disconnected in 3.1.

3.3.2 Purge and pressurize in accordance with Paragraph 5-2.7 of 2.2.

4. NOTES:

4.1 Equipment technical manual will be listed in the invoking Work Item.

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