

NAVSEA
STANDARD ITEM

FY-11

ITEM NO: 009-76
DATE: 19 JUL 2007
CATEGORY: II

1. SCOPE:

1.1 Title: Waveguide and Transmission Line Temporary Lay-Up,
Pressurization, and Purging; 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 prior
to connection to ship's dry air panel, using 2.1 for guidance.

3.2 Accomplish uninterrupted nitrogen or dry air lay-up for waveguides
and rigid coaxial cables 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 temporary dry air pressure source(s)
are 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 electronic 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).