

STANDARD PHRASEOLOGY

SECTION F

1. This section of standard phraseology is for general use in electronic and electrical disciplines.

Disconnect mechanically and remove equipment listed in 1.3.____.

F1

Matchmark, identify, and retain ____.

F2

Accomplish an operational test of equipment and circuits.

F6

NOTE: FOR REFERENCE IN F8 AND F9, USE SE000-01-IMB-010, NAVY
INSTALLATION AND MAINTENANCE BOOK (NIMB), SECTION IX,
INSTALLATION STANDARDS (SOURCE CD: N0002400003).

Accomplish Swept Voltage Standing Wave Ratio (VSWR) test on ____ in accordance with Paragraph 5-2.11 of 2.____. Test shall be accomplished over the frequency range of equipment being tested.

F8a

Use standard VSWR reference loads at several points (i.e., 1.1:1, 1.25:1, 1.5:1, 2:1 and 3:1) to establish reference lines from lower to upper frequency limits.

F8b

Accomplish Insertion Loss test on ____ in accordance with Paragraph 5-2.11 of 2.____. Tests shall be accomplished over frequency range of equipment being tested.

F9

NOTE: FOR REFERENCE USE 0967-LP-000-0130, ELECTRONICS
INSTALLATION AND MAINTENANCE BOOK, TEST METHODS AND
PRACTICES.

Accomplish Time Domain Reflectometer (TDR) test on _____ in accordance with Paragraph 5-7 of 2.____. Terminate each coaxial cable within its characteristic impedance and coefficient (RHO) control at maximum sensitivity. Record results on an X-Y recorder.

F10

Visually inspect **each component** prior to cleaning to detect evidence of casualties or deteriorating conditions that may not be apparent after cleaning.

F11

Inspect and test **each component part** and circuitry for shorts, opens, and grounds and determine missing and defective component parts and circuitry in accordance with 2.____.

F12

Remove existing and install new wiring and component parts, using 2.____ for guidance.

F13

Install Field Change _____. Accomplish the requirements of 2.____.

F14

NOTE: USE FOR REPLACE WITH NEW, INSTALL OR REINSTALL -
EQUIPMENT.
HOOK-UP DATA COVERED BY 009-73.

Install equipment listed in 1.3.____. Install retained hardware of 3.____ and new CRES fasteners conforming to MIL-DTL-1222, Type I, Grade 304, using 2.____ for guidance.

F15a

NOTE: KNOWN TO BE A REQUIREMENT ON CG-47 CLASS.
HOOK-UP DATA COVERED BY 009-73.

Install equipment listed in 1.3.____. Install retained hardware of 3.____ and new CRES fasteners conforming to MIL-DTL-1222, Type I, Grade 316, using 2.____ for guidance.

F15b

NOTE: FOR REFERENCE USE MIL-STD-1310, SHIPBOARD BONDING, GROUNDING, AND OTHER TECHNIQUES FOR ELECTROMAGNETIC COMPATIBILITY AND SAFETY.

BOND STRAP FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH SECTIONS 7 AND 8 OF SE000-01-IMB-010, NAVY INSTALLATION AND MAINTENANCE BOOK (NIMB), SECTION VII, INDUSTRIAL ELECTROMAGNETIC COMPATIBILITY (IEMC) WORK PROCESS INSTRUCTIONS (SOURCE CD: N0002400003), INDUSTRIAL ELECTROMAGNETIC COMPATIBILITY (IEMC) WORK PROCESS INSTRUCTIONS.

Bond and ground equipment in accordance with 2.____. Grounding straps shall be CRES 316L for topside equipment.

F16a

NOTE: FOR REFERENCE USE (10001) OD 32382, GROUNDING AND BONDING EQUIPMENT ENCL. CHASSIS AND CASES, DESIGN AND INSTALLATION.

Bond and ground equipment in accordance with 2.____ and 2.____.

F16b

Acceptable criteria for equipment to hull ground via bond or ground strap is one-tenth ohm maximum.

F17

Remove existing and install new lugs conforming to MIL-T-16366.

F18

Remove existing and install new conductor identification sleeving conforming to SAE-AMS-DTL-23053, Class I, white, marked with indelible ink.

F19

NOTE: FOR REFERENCE IN F22-F24, USE SE000-01-IMB-010, NAVY INSTALLATION AND MAINTENANCE BOOK (NIMB), SECTION IX, INSTALLATION STANDARDS (SOURCE CD: N0002400003).

Maintain temporary pressurization of _____ in accordance with Paragraph 5-2.7.1 of 2.____ upon completion of Insertion Loss Test.

F22

Purge and pressurize _____ in accordance with Paragraph 5-1.14 of 2.____ upon completion of _____ installation.

F23

Blank _____ during unattended periods and maintain pressurization in accordance with Paragraph 5-2.6.6 of 2.____.

F24

NOTE: USE F26a-F26c AND F28a-F28b FOR POST-REPAIR TEST.

Accomplish Performance Tests of 2.____. Align and adjust within the tolerances specified therein.

F26a

Record readings on performance summary sheets.

F26b

Submit one legible copy, in hard copy or approved transferrable media, of completed summary sheets to the SUPERVISOR.

F26c

Accomplish an operational test of ship's service telephone installation. Accomplish adjustments to verify operational performance ***in accordance with*** 2.____.

F28a

Verify circuits for audio output, clarity of voice transmission, and correct phone numbers.

F28b

Measure insulation resistance to ground for each stationary field winding and rotating field winding using a 500 volt direct current megger. Do not apply high voltages through solid state devices.

F29

Accomplish maintenance/reference standards test and record measurements of equipment listed in 1.____ in accordance with 2.____. Calibrate, test, and adjust the equipment and verify the performance of the equipment is within tolerances, using regulated power within the limits specified in 2.____.

F30a

Install and connect equipment aboard ship prior to maintenance/reference standards test.

F30b

Remove unused foundation(s), cable hanger(s), wireway(s), bracket(s), and stud(s). Chip and grind surfaces flush and smooth in way of removals.

F35

Install new foundation and studs for _____. Template from new equipment. Install equipment **on new foundation**.

F36

Install and connect _____, installing new fasteners conforming to MIL-DTL-1222, Type I or II, Grade 5, zinc coated.

F37a

Install and connect _____, installing new CRES fasteners conforming to MIL-DTL-1222, Type I, Grade 304.

F37b

Silver plate _____ in accordance with ASTM B 700.

F38