

STANDARD PHRASEOLOGY

SECTION F

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

Disconnect electrically and mechanically and remove equipment listed in 1.3.\_\_\_. Record electrical hook-up data, using 2.\_\_\_ for guidance.

F1

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Matchmark, identify, and retain \_\_\_.

F2

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Accomplish an operational test of equipment and circuits.

F6

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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

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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

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

F11

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Inspect and test component parts and circuitry for shorts, opens, and grounds and determine missing and defective component parts and circuitry in accordance with 2.\_\_\_.

F12

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

F13

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Install Field Change \_\_\_\_\_. Accomplish the requirements of 2.\_\_\_.

F14

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NOTE:        USE FOR REPLACE WITH NEW, INSTALL OR REINSTALL -  
EQUIPMENT.

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. Connect equipment using recorded hook-up data and in accordance with 2.\_\_\_.

F15a

NOTE:        KNOWN TO BE A REQUIREMENT ON CG-47 CLASS.

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. Connect equipment using recorded hook-up data and in accordance with 2.\_\_\_.

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

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

F17

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

F18

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

F19

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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

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

F24

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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

NOTE:        WHEN NO HARD COPY IS REQUIRED, THE WORDS "HARD COPY OR"  
SHALL BE DELETED.

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

F26c

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Accomplish an operational test of ship's service dial telephone installation. Accomplish adjustments to verify operational performance within performance tolerance of 2.\_\_\_.

F28a

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

F28b

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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

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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

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Install new foundations and studs for \_\_\_. Template from new equipment. Install equipment at original location.

F36

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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

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Silver plate \_\_\_ in accordance with ASTM B 700.

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