

**B VOLTAGE TESTER
USE ON JOINT-USE POLES AND OTHER EQUIPMENT**

1. GENERAL

- 1.001** This addendum supplements Section 620-105-010.
- 1.002** It is reissued to change paragraph numbers to correspond with the main section.

5. PRECAUTIONS

The following change applies to Part 5 of the section:

- 5.07 — added

5.07 In California, power companies are required to cover the entire length of vertical grounding conductors on poles. **DO NOT TEST VERTICAL GROUNDING CONDUCTORS EXCEPT AS PROVIDED FOR IN SECTION 638-300-900PT.**

6. OBSERVATIONS TO BE MADE BEFORE CLIMBING

The following changes apply to Part 6 of the section:

- (a) 6.02.1 — added
- (b) 6.05 — revised
- (c) 6.06(d) — added
- (d) 6.07 — added

6.02.1 California law requires that power company vertical grounding conductors be covered by molding for their entire length on the pole. On joint-use poles where the molding is missing, broken or displaced in any way so as to expose the conductor, notify your supervisor. It is the supervisor's responsibility to notify the power company of the deviation and request correction. **DO NOT CLIMB POLES HAVING EXPOSED VERTICAL GROUNDING CONDUCTORS.**

6.05 If a street light fixture or foreign guy is present in or near the telephone space on a pole not carrying a telephone cable messenger, wear insulating gloves and avoid contact, since it is not possible to place a temporary bond to an effective ground.

6.06(d) The fixture is located ABOVE all telephone attachments, and it is evident that there is no possibility of contacting it during work operations.

6.07 Wherever there is a possibility of contacting a foreign guy which originates in the power space, make a voltage test (with the B Voltage tester) of the guy section above the strain insulator. The test should be made when standing on the ground. When this is not possible, the test can be made from the pole, provided a suitable ground is available. **DO NOT PERFORM ANY WORK OPERATION IN THE POWER COMPANY SPACE.**

7. VOLTAGE TESTS AND SAFEGUARDS — AT GROUND LEVEL, AT BASE OF POLE, TESTING OTHER EQUIPMENT, AND TESTING DAMAGED JOINT CABLE CLOSURE

The following change applies to Part 7 of the section:

- 7.03.1 — added

7.03.1 The State of California requires that the portions of vertical power supply runs on risers that extend within a vertical distance of eight feet above or below communications conductors have a non-conductive protective covering. This requirement makes the placing of a temporary bond between the telephone cable messenger and metallic power conduit impractical. Under this condition, omit the bond and wear insulating gloves when ascending and descending the pole. Use care to avoid contact with the conduit. Again, do not climb or work on any pole where the power con-

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ductor protective covering is missing or broken so as to expose the conductor(s) at any point between the ground line and the top of the neutral space. Report any of the aforementioned cases observed in accordance with paragraph 6.02.1.

8. VOLTAGE TESTS AND SAFEGUARDS ALOFT

The following changes apply to Part 8 of the section:

- (a) 8.01 — revised
- (b) 8.03 — revised
- (c) 8.05(b) — revised

8.01 (Change the opening part of this paragraph to read:)

Street light fixtures, guys extending near power company facilities, and power company hardware in the Telephone Company workspace must be tested for foreign potential as follows: [Items (a) - (e) are retained.]

8.03 Use Of The B-Temporary Bond: A B-Temporary Bond is used to temporarily ground a fixture, conduit, or guy (Fig. 13) which has been tested for and found to be free from a foreign potential. Should a fault develop, the B-Temporary Bond will provide a direct path to ground for the foreign potential. The insulation on the bond will overheat and smoke, which should alert the employee to descend the pole. Using insulating gloves, attach the bond in the following manner:

- Attach the small clip of the B-Temporary Bond to the cable suspension strand in such a manner that it will not be in the way of work operations; then attach the large clip of the bond wire to the fixture, conduit, or guy. Do not bond to a support bracket of multiple line wire or the suspension strand of isolated cable. Never attach to any street light wires or the terminals to which they are attached, or to a fixture which causes the indicator to glow. **NEVER BOND ACROSS THE STRAIN INSULATOR OF A POWER GUY.**

8.05(b) First remove the clip from the fixture, metallic conduit, or guy.