

**OUTSIDE PLANT
PRECAUTIONS
AERIAL WORK**

1. GENERAL

1.01 This section is reissued to revise minimum working distances from power conductors. The changes are required to comply with Federal Telecommunications Safety and Health Standards.

2. WORKING NEAR LIGHT AND POWER WIRES

2.01 All electrical power lines and equipment, including transformer cases, lamp brackets, guys, electrical conduits, etc., should be considered energized and contact with them shall be avoided at all times.

2.02 Use the B Voltage Tester and make all tests as called for in Section 620-105-010, "Observations and Tests to be Made Before Climbing or Working at Joint Use Poles."

2.03 The hazard of surprise electrical shock can exist when working on telephone plant that is near power transmission lines. To reduce the necessity for working on such plant, splices and terminals should not be planned closer than 100 feet from conductors of 100KV and higher power transmission lines.

3. WORKING DISTANCES FROM POWER CONDUCTORS

3.01 Paragraph 3.02 specifies minimum working distances from power conductors that must be observed during construction and maintenance

of aerial plant. Greater distances should be observed whenever practicable. The values given are applicable at poles or in spans. If in doubt as to the voltage classification of a power conductor, consult your supervisor.

3.02 Personnel shall not approach, or cause any conductive object to be, any closer to any electrically energized overhead power line, or associated part, than the distances shown in Table A. See Section 621-205-010 for pole placing and removal operations.

VOLTAGE RANGE	ALLOWABLE APPROACH DISTANCE (INCHES)
0- 300	Avoid Contact
300- 750	12
750- 2,000	18
2,000- 15,000	24
15,000- 37,000	36
37,000- 87,500	42
87,500-121,000	48
121,000-140,000	54

**TABLE A
APPROACH DISTANCES TO ENERGIZED OVERHEAD
POWER CONDUCTORS**