

## 2023 - 4kV Insulator Change

**Event:** Simulated 4kV energized, rubber gloves required

**Drop Dead Time:** 25 minutes

### **Event Summary:**

The purpose of this event is to change out three pin insulators, two vise top type insulators on an 8-foot crossarm and one tie type insulator on a pole top pin. Primary conductor will be 1/0 AAAC secured on the top of each insulator. This is a team event requiring two climbers to perform the work on the pole.

### **Event Description:**

1. Teams will be given 5 minutes set up time for questions. Fall arrest must be properly adjusted and rubber gloves checked during this time.
2. Time starts on the judge's signal with fall arrest system attached to the pole if desired.
3. Team will be provided 24" of #6 bare tie wire.
4. Neutral and neutral clevis must be covered before ascending above.
  - Neutral may be floated but must be properly covered.
5. Phase conductors and insulators that are not being worked on must be completely covered.
  - One piece of line cover on each side of the insulator.
  - Insulator cover (blanket is acceptable).
6. The work side of the crossarm must be covered by crossarm cover or blanket.
7. Phase conductors may be laid temporarily on the crossarm but must have at least two levels of insulation (crossarm cover and line cover.)
8. Two points of control must be maintained when phase conductor is not secured in the insulator.
  - *Two hands or one stick being held by two hands are considered "one point"*
  - *Phase resting on cross arm will also be considered "one point".*
9. Time will stop when both climbers have both feet on the ground.
10. All general rules apply.