



4kV Alley Arm Insulator Change Out

Chief Judge: Gaspo Dixon

(Journeyman Event)

Mean Time: 15 minutes

Drop Dead Time: 23 minutes

EVENT SUMMARY:

This is a simulated 4kV energized event on 1/0 ACSR three-phase straight line circuit with a single eight-foot wooden cross-arm, braced with a seven-foot alley-arm. The event will consist of changing out the center phase pin insulator.

EVENT DESCRIPTION:

1. The conductor will be tied in with a preform tie with grommet.
2. The Neutral must be covered on both sides along with the spool, Inside phase & insulator, Center phase, Center phase insulator (unless proper clearance can be maintain while covering outside phase), Cross arm – on both sides of the center phase pin (arm guard or blanket), and Outside phase must be covered. (just the insulator on the outside phase as a minimum and if installed with stick maintaining MAD from other phases, can be put on before covering other phases).
3. A new preform tie will be used and picked up upon entering event. (Old grommet can fall yelling headache, new one cannot).
4. If needed, a screwdriver will be utilized in this event for the purpose of removing or installing wrap-lock preform.
5. Two points of control will be maintained at all times. (Two hands or one stick being held by two hands are considered “one point” and top of insulator and/or cross arm will be considered “second point”.)
6. The center phase will be laid temporary on the covered cross arm and will have at least two levels of insulation.
7. All material will go up and down in a material bag.

MATERIALS PROVIDED:

- Preformed tie for 1/0 ACSR
- F-neck pin insulator