

## **Journeyman Event - Cross Arm Change**

**Mean Time: 15 Minutes**

**Drop Dead Time: 23 Minutes**

Teams will be required to replace the 10' cross arm on a three-phase structure. New insulators, insulator pins, braces, brace bolts and split bolts will be supplied and may be replaced at the team's discretion. Hardware replacement (other than the cross arm) is not required if team inspects and declares components to be mechanically sound. This is a simulated de-energized 12 KV event. Teams will be required to actually-test and ground the structure following the 1<sup>st</sup> Edition Santee Cooper Safety Manual rules for equipotential grounding. The primary may be floated while cross arm is being replaced.

1. Teams will be allowed 5 minutes of setup time. The team may direct questions to the judge at this time.
2. No cover is required since the structure will be effectively grounded.
3. Time starts at Judges' signal.
4. While the structure is effectively grounded, the grounds become primary protection. Workers may transition to work gloves during this period.
5. No hardware can be installed on the new cross arm until the event time begins.
6. The middle phase is supported on a pole top pin. Replacement of middle phase components is not required.
7. New preform ties and rubber saddles must be installed on outside phases.
8. Time stops when the old cross arm is completely stripped out and arranged neatly at the base of the pole and both climbers reach the ground.
9. Judging will continue until all material is packed up and the event site is restored to the original condition.
10. All general rodeo rules apply.

