

## Apprentice Event: **TRANSFORMER HOOK UP**

Chief Judge: Chris Booth

Event Time: 10 Minutes

Drop Dead Time: 15 Minutes

In this event, the apprentice will connect a single-phase transformer under simulated energized conditions with direct supervision and assistance assumed. Competitors will be given a new fuse and fuse barrel during check-in. Fuse cannot be installed in fuse barrel until time starts. The high side riser (hotline clamp) will need to be installed before closing the fuse barrel and removed after the time stops. A handline and switch stick will be pre-installed on the pole on the left side of the crossarm. An eye nut will be installed on the back of the neutral clevis bolt for the bag to hang on. The focus will be on proper work practices, adherence to safe procedures, and correct hookup sequencing.

1. Apprentices will have 5 minutes to set up. They may direct questions to the judge during this time.
2. Rubber gloves (class II minimum) must be worn by the climber's ground to ground.
3. Minimum approach distances must be maintained (NESC Rule 441)
4. Time starts at the judge's signal.
5. Time will stop when the competitor says time.

6. After the time stops, the event site must be returned to its original state.

Judging will resume until the climber has both feet on the ground and safety is removed from the pole. The old fuse must be removed from the fuse barrel before leaving the event site.

7. All general rules apply.

### **Tools & Equipment Provided:**

- Switch Stick

- Handline
- Grunt Bag
- Voltmeter
- Fuse barrel
- Fuse