

## **12KV 900 Amp Switch Changeout**

### **Chief Judge: Mike Munn**

### **(Journeyman Event)**

**Mean Time:** 12 minutes

**Drop Dead Time:** 16 minutes

#### **Event Summary:**

This is a 12KV event working off the pole. Class 2 rubber gloves must be worn ground to ground. The event will be framed with two switches. The team only needs to replace one of the 900 amp under-slung switch on an 8 foot crossarm on a 40 foot pole. The team will be able to choose which switch is changed out. The load cannot be interrupted. The permanent jumpers will have hot line clamps attached on stirrups on the primary. There will only be bolts and nuts holding the two-hole connector pad to the switch. There will be no washers associated with the bolts holding the two-hole connector pad to the switch.

#### **Event Specifications:**

1. See General Rules.
2. Team will be allowed a five-minute set up time for questions and set up.
3. Time will start at the judge's signal, and all team members are standing at least one arm's length from the pole. (Note: FALL ARREST SYSTEM'S WILL NOT BE ALLOWED TO BE ATTACHED TO THE POLE PRIOR TO STARTING THE EVENT)
4. Time will stop when the last climber has both feet on the ground.
5. All permanent connections shall be wire brushed.
6. Both sides of neutral and clevis must be covered
7. Electric continuity must be maintained at all times. Temporary mechanical jumpers must be utilized and must be rated for a minimum of 15KV. The mechanical jumper will be installed with hot sticks, and control should be maintained at all times. No unprotected incidental contact will be allowed with unprotected mechanical jumpers. A section of rated line hose may be placed on the mechanical jumpers to prevent incidental contact with the crossarm or linemen.
8. Primary must be covered while replacing switch and competitor must maintain all approach distances.
9. Permanent jumpers will be unbolted from the switch and brushed and reinstalled by the groundmen before being sent back up to the Lineman. Bolts are ½ inch by 2 inch.
10. The use of connecting jell on the two-hole pad must be simulated. This must be done verbally so that the judge can hear.
11. Switch must be mounted the same way it was before event.
12. Switch must be tested after installation by operating it before temporary jumper comes off.
13. Battery powered tools are NOT allowed.