

# Obstacle Course

## Chief Judge: Fredrick Rumery

(Apprentice Event)

The apprentice will climb a 40-foot pole, and perform specific tasks at four different stations. Each station will be framed with 8' crossarms besides the top position, which will be outfitted with a 70-watt area light. The apprentice may start at the bottom station and work up, or at the top station and work down. Time starts at the apprentices first contact of the pole, and will stop when the apprentice has both feet on the ground. The fall arrest must remain attached for proper adjustment verification by the event judge.

### Event Specifications:

Starting at the top of the pole:

1. The first station will require the apprentice to remove and replace the photo-eye, and the lightbulb. Both the photo-eye and the lightbulb must be taken up and down the pole by means of a material bag and personal line. The bag may **NOT** be hung from the apprentice's body, belt, or any equipment besides the pole while working.
2. The second station will require the apprentice to remove a crossarm pin and a 15-kV insulator from the end of one arm, and transfer it to the identically spaced hole at the opposite end. The washer must be square, and the insulator must be straight.
3. The third station will require the apprentice to move a 100-amp cutout and related crossarm bracket from one end of the arm to the opposite end. The cutout will be located approximately 8" inside the centerline of the pin insulator. The arm will be marked with both inner and outer markings; the apprentice shall install the cutout between the marks. When finished, the cutout must be straight, and tight.
4. The bottom station will require the transfer of a polymer suspension insulator and dead-end shoe from one end of the crossarm to the other. The arm will be framed with eye nuts on each end. Both pins, on the insulator and shoe, must be facing towards the pole when finished.
5. The apprentice may request the assistance of their judge to return any hardware dropped, in order to finish the obstacle course. Notice: The judge will not assist until requested.
6. You must have one foot in the pole while working. The other can be hanging free but not resting on the cross arm or any other material at any time.
7. It is **NOT** permissible to use any part of the cross arm, or equipment as a hand hold or step.