

Journeyman Event – UG Elbow and Insert Bushing Replacement

Chief Judge: Jerry Crowell

Event Time: 7:00

Drop Dead Time: 11:00

Event Summary:

This event is simulated energized at 7.2kv and will consist of replacing a single-phase elbow and insert bushing on a radial fed (dead end) pad-mount transformer. The transformer will be fed from a fused cutout on a nearby 40-foot pole. The fuse will be in the open position when the event starts. Proper tools shall be used to remove and reinstall the pin and insert bushing. An insert tool, pin tool, load break elbow, insert bushing and PPG's will be provided by SCLR.

Event Rules:

- 1. Teams will have 5 minutes to set up event and ask any questions.**
- 2. Time starts at judge's signal.**
- 3. Tools and equipment must be on the provided tarp when not in use.**
- 4. Competitors must remove fuse barrel from fuse cut-out.**
- 5. Competitors will test for nominal voltage and apply grounds at the fuse cut-out and the transformer.**
- 6. The damaged insert bushing and elbow must be replaced with the provided new elbow and insert bushing and be torqued to proper specifications using the provided torque tools.**
- 7. A new fuse link must be installed in the fuse barrel before the groundman can re-hang the fuse barrel in the cut-out.**
- 8. All competitors must be on the ground and in the clear before the span of underground can be re-energized.**
- 9. Voltages shall be checked after re-energizing.**
- 10. Proper hand tools and PPE must be used.**
- 11. Time stops when everything is in safe working condition, the transformer is bolted shut, and locked.**
- 12. The new elbow pin will be checked by the team upon completion of the event for cross-threading. A 2-point deduction will be assessed to the team if the pin is cross-threaded.**
- 13. Judging will continue while the team restores the site to its original condition.**

**South Carolina Lineman's Rodeo
2020 Event Description**

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