

Journeyman Event-Single Phase Transformer Changeout

Chief Judge: Chad Williams

Event Time: 16 Minutes Drop

Dead Time: 24 Minutes

This event is simulated energized 12kv. Teams will replace a single-phase transformer. The fuse cutout must be opened and fuse barrel removed to deenergize the transformer. The high side riser (hotline clamp) shall also be removed. The proper sequence to disconnect, change out and reconnect the transformer must be followed (secondary voltage must be verified before hot legs are connected). The fuse link must be changed, the fuse barrel reinstalled, and closed back after the final connections are made.

1. Teams will have 5 minutes to set up. The team may direct questions to the judge during this time.
2. Judging will start when the team enters the event site.
3. Time starts at the judge's signal.
4. Rubber gloves, (class II minimum) must be worn by the climber's ground to ground.
5. The secondary must be covered before ascending above.
6. The secondary leads must be covered once removed from the transformer.
7. The neutral and neutral clevis must be covered before ascending above.
8. Minimum approach distance must be maintained (NESC Rule 441)
9. Teams must utilize a minimum of a 3:2 sheave block to lower and raise the transformer.
10. The groundman may not leave the tarp while lowering or raising the transformer.
11. Time stops when the transformer is energized, and the last climber has both feet on the ground.
12. Judging will continue until the event site is restored to the original condition.
13. All general rules apply.

