

TRIPLE THREAT

CHIEF JUDGE: "GOOSE" GOOSTREE, LAKELAND ELECTRIC

MEAN TIME: **15 MINUTES**

DROP DEAD: **18 MINUTES**

EVENT SUMMARY

The event consists of replacing insulators at 3 different locations on the pole either energized or de-energized and grounded. **At location 1**, Team will replace a 35kV post type porcelain insulator energized at 4kV. **At location 2**, they will replace a string of (3) 4" porcelain dead-end bells energized at 12 kV. **At location 3**, they will replace an 88kV porcelain tangent insulator previously energized at 69kV that is considered de-energized and grounded.

****Note- You do not have to accomplish each location in order but realize that proper covering must be done prior to being above the neutral or energized location, and you cannot work on opposite potentials at the same time!***

EVENT SPECIFICATIONS

1. Teams will be allowed a 5-minute set-up time before the start of the event.
2. Material can be rigged during the set-up time
3. Time starts at judge's signal with fall arrest detached from the pole.
4. ***No covering can be done with an extendo stick from ground***
5. Both sides of the neutral and spool must be covered prior to climbing above it. Neutral can be floated if you so choose, but the upset bolt must remain in the pole.
6. **At location 1**, Teams will need to replace the 35kV insulator energized at 4kV.
7. Post insulator standoff must be covered while untying and tying. Conductor can be floated with 2 points of control and must be covered while replacing the insulator.
8. Conductor can make contact with the guy strain insulator if phase is properly covered.
9. Old insulator and tie wire must be replaced with a new insulator and tie wire.
10. Once replaced, both sides of conductor and insulator must be covered prior to climbing above it.
11. **At location 2**, Teams will need to replace the string of 4" dead-end bells energized at 12kV.
12. A rated hot link stick must be utilized on the conductor hoist/blocks.
13. Two points (both hands) of positive control must be maintained at all times while handling energized wire and dead-end as to move in the clear of MAD to change out bells.
14. Pins and cotter keys on bells must all be facing the same way

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15. Once replaced, dead-end bells and conductor must be covered prior to climbing above it. The 1st bell, conductor dead-end, and conductor must be covered at a minimum and must remain covered while working aloft. ***No cutout (modified) roll on covers can be used***
16. **At location 3**, Teams will need to replace the 88kV insulator that is de-energized and grounded.
17. Wire can be floated while replacing insulator but must not come within MAD or contact of energized 4kV phase below it.
18. Insulator must be lowered touching the ground, then the same insulator can be sent back up. While lowering and raising the insulator or rigging **must not** touch any uncovered primary/neutral conductor.
19. Once insulator is replaced at **location 3** both Linemen will descend to below **location 2**
20. When both Linemen are below **location 2**, they can remove the covering and descend to below **location 1**.
21. When both Linemen are below **location 1**, they can remove the covering and descend to below the neutral.
22. When both Linemen are below the neutral, they can remove the covering and lower to the ground.
23. After the 1st Lineman touches the ground and is **completely off** the pole, the 2nd Lineman can railroad the handline to the groundman.
24. Time will stop when the 2nd Lineman climbs down, and feet touch the ground.
25. **Material must be broken down/put back in order prior to leaving or it will be a deduct.**

Teams will provide their own:

Tarp, handline, personal tools etc. Rated sticks, rigging and cover Line hose bags and material bags

Event supplied materials

New 35kV porcelain insulator and stud 6 ft. of #4 Aluminum tie wire

New string of [3] 4" porcelain dead-end bells

PROPER TYING METHOD FOR 4 kV INSULATOR CHANGE DOCUMENT

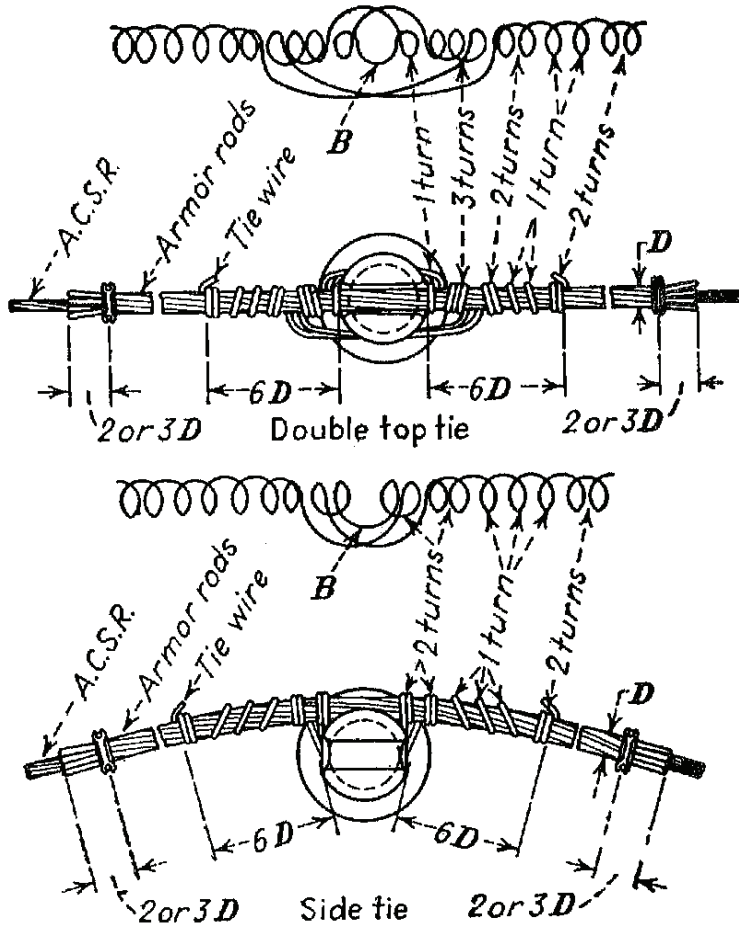
Wire size on pole at each location

1/0 Aluminum wire to be used on the 4kV insulator change

1/0 Aluminum wire to be used on the 12kV dead-bell change

795 Aluminum wire to be used on the 88kV insulator change

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LINEMAN RODEO 2026
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