

2025 – 4kV Lightning Arrestor Change out

Event: Simulated 4kV energized, rubber gloves required

Drop Dead Time: 15 minutes

Event Summary:

Event construction is a 4kV single phase tangent pole. A C/A bracket is also mounted on the pole with a 4kV lightning arrester attached and tapped up to the primary conductor on the high side and tapped to the pole ground on the low side. A changeout of the existing arrester shall be done by one climber and then repeated by the other climber with the average time of both climbers recorded as the score.

Event Description:

1. Teams will be given 5 minutes set up time for questions. Fall arrest must be properly adjusted and rubber gloves checked during this time.
2. Time starts on the judge's signal with fall arrest system attached to the pole.
3. Arrester must be untapped from primary conductor with appropriate hot line tool.
4. Arrester shall be lowered to the ground via a block line where the groundman will transfer the taps onto the new arrester.
5. The new arrester will be raised, attached to the C/A bracket and tapped up by the climber.
6. Time will stop when the climber has both feet on the ground.
7. All used material must be left in the event circle.
8. All general rules apply.

Materials Provided:

- New 4kV arrester
- Connector