

2023 – Single Phase Dead End Pole Frame

Event: Simulated De-energized, rubber gloves not required

Drop Dead Time: 20 minutes

Event Summary:

The objective of this event is to frame a single-phase dead-end pole and complete the installation of two guy wires. The primary portion of the pole will need to be framed and a pole eye guy plate installed. A 3/8" guy wire with a 54" strain rod will be installed on the pole eye guy plate. The primary guy wire will be tensioned properly and attached to the anchor using a preform wrap. After the guy wire for the primary is completed, the secondary portion of the pole will need to be framed and a guy hook (AKA ram's head) installed. A 3/8" guy wire with completed preform wrap will be installed on the ram's head. Once the guy wire is attached, the guy wire will be tensioned properly and a preform wrap installed on the anchor side of the secondary guy wire. Once all tensioning equipment is removed from the guy wire and anchor, the groundman will call "time". Only after the judge has given the OK to proceed, the team will assist in resetting the event.

This is a team event requiring two climbers and a groundmen. Climbers will stay on the pole for the duration of the event. Climbers will need to disassemble construction and remove hardware before descending.

Notes:

- Top preforms, strain rod, and guy wires will be reused for this event, do not disassemble them.
- Dead-end hardware and guy attachments may not be installed back-to-back.
- Holes for hardware will be pre-drilled.
- Aesthetics will be judged, please be sure to square or diamond the washers.

The following hardware will need to be installed

- Framing for primary
 - 5/8" steel eyelet, 15 kV Dead insulator, dead-end conductor clamp
 - Pole eye guy plate (below primary dead end, not back-to-back)
- Framing for secondary
 - 5/8" steel eyelet, dead-end conductor clamp
 - Guy hook (below secondary dead end, not back-to-back)

Event Description:

1. Teams will be given 5 minutes for set up and questions. Fall arrest must be properly adjusted.
2. Material should be checked during set up time to make sure all hardware and preforms are there and in satisfactory condition.
3. Time starts on the judge's signal with fall arrest system attached to the pole if desired.
4. The first climber must carry a handline.
5. Climbers may be positioned at different locations.
6. Tensioning equipment may not be attached to the anchor or guy wire before the start of the event.

7. Secondary preform must be hung on the ram's head as is, do not disassemble.
8. Guy wire must be tensioned by mechanical means (strap jack, chain jack, blocks...)
9. Tensioning equipment may not be removed until all strands are complete (per factory installation instructions.)
10. All strands of the guy preform must be done completely & strands may not overlap.
11. Tongue and groove pliers (AKA candy grabber, channel locks, water pump pliers) shall not be used to complete the final wraps.
12. Tensioning equipment must be completely removed from the guy wire and anchor before "time" is called.
13. Time will stop when groundman calls "time", but judging will continue until both climbers reach the ground.
14. All general rules apply.

Event Cleanup/reset:

1. Only after the judge has given the OK to proceed, the bottom preforms are to be removed.
2. Both guy wires and all hardware will be removed and safely sent down.
3. All removed hardware will be placed back on the ground or in the bin in the same condition it was found at the start of the event.