



2021 Minnesota Lineworkers Rodeo

## HURTMAN RESCUE

(Apprentice Event)

**Mean Time:** 4 minutes

**Drop Dead Time:** 6 minutes

### Event Summary:

This event will be simulated dead. Time starts at the judge's signal with apprentice standing at least an arm's length from pole in any direction. **Note:** The lineworker's belt, hooks and standard work gloves will be lying on the ground at arm's length.

### Event Specifications:

1. Looking at the pole from the crossarm side, the hand line will be hung on the right side simulating an injury to a right-handed person. The hurt man will hang on the crossarm side of the pole with both ends of the safety straps through the braces. **Note:** Always take a minimum of one complete wrap around the crossarm before lowering the hurt man.
2. Mannequin should be tied under arms with three half hitches. **Note:** Eye splice should not be used as part of the hitches. **The half hitch is the only acceptable knot. A 3" conduit will be used to measure tightness of knot.**
3. Be sure to call out "**headache**" loudly when you drop your hand-line sheave. The sheave shall be dropped in the 5' circle radius at the base of the pole.
4. A Bashlin belt 57-N will be used on the mannequin. You must cut the Bashlin 57-A insert. There will be a 10-point deduction for cutting the belt in the wrong place.
5. Mannequin must be lowered smoothly to the ground without coming into contact with the pole.
6. Apprentice must climb down the pole smoothly and safely. **Time will stop when the Apprentice has both feet on the ground.** **Note:** There must be one gaff in the pole at all times when climbing down the pole.
7. The Apprentice must use the hand-line provided.
8. Appropriate work gloves are required for this event.

### Materials provided:

- Handline



Minnesota Municipal Utilities Association

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## **POLE TOP PIN INSULATOR CHANGE OUT**

(Apprentice Event)

**Mean Time:** 5 minutes

**Drop Dead Time:** 7 minutes

### **Event Summary:**

This event will consist of changing out the pole top insulator that is tied in with a preform wraplock with a rubber grommet. The event will be considered de-energized and grounded; therefore, rubber gloves will not be required. The competitor must raise and lower all material in a bag attached to the handline.

### **Event Specifications:**

1. The competitor will be allowed five (5) minutes to ask questions and set up in the designated work area before starting the event.
2. Event time starts at the judge's signal with the fall arrest system detached from the pole.
3. Event time stops when the competitors first foot touches the ground. The fall arrest must remain attached for event judge verification of proper adjustment.
4. The competitor must change out the pole top pin insulator.
5. All material will be raised and lowered in a material bag (including rubber grommet).
6. The new rubber grommet must be used.
7. A handline (not a straight line) is required for all raising and lowering of material.
8. The handline must be attached to the pole when the competitor gets into working position.
9. A screwdriver may be used to remove the preform wraplock (no knife or pliers).
10. Competitor must railroad handline before dropping it out and descending the pole.



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## **OBSTACLE COURSE**

(Apprentice Event)

**Mean Time:** 8 minutes

**Drop Dead Time:** 10 minutes

### **Event Summary:**

Time starts at judge's signal. The competitor will then climb a 40-foot pole equipped with three crossarms. The competitor will stop at each arm and relocate the arm-mounted device to the opposite end of the arm. The competitor may begin device transfer at the top arm or the bottom arm. The lowest crossarm will be mounted at 22 feet, equipped with a drop-in pin mounted polymer 15kv tie-top insulator. The second arm-mounted 6ft higher at 28ft will be equipped with a 15kv polymer dead-end insulator. The top arm mounted 5 feet above the second arm at 33ft will be equipped with a polymer 100 amp 15kv fused switch mounted on an "L" bracket (moving only the switch).

Once back on the ground, the competitor shall use an extendo stick to open the switch (using the eye of the door), remove the solid blade, and bring down to the ground. After touching the blade, the competitor will reinstall the solid blade and close the switch (using the eye of the door). Climbing tools may be worn while using extendo stick as long as gaff guards are used.

### **Event Specifications:**

1. The competitor will be allowed a five (5) minutes to set-up and ask questions before starting the event.
2. Event timing starts at judge's signal.
3. Event timing stops when the solid blade is closed.
4. Competitor **must** furnish their own extendo stick. Extendo stick must not be altered in any way and may be inspected by event judge.
5. The competitor **must** furnish handline to be used during event. Handline must be hung off on pole or crossarm while work is being done.
6. All nuts **must** be snugged using approved wrench. All nuts shall be installed with proper washers.
7. Gloves are required for the duration of event, including preparation and cleanup.
8. Dead-end insulator pin must point inward.
9. Gaffs must be covered any time outside of circle.