



Minnesota Municipal Utilities Association
2019 Minnesota Lineworkers Rodeo

HURTMAN RESCUE

(Journeyman Event)

Mean Time: 4 minutes

Drop Dead Time: 6 minutes

Event Summary:

Time starts at the judge's signal with lineworker standing at least an arm's length from pole in any direction. **Note:** The lineman's belt and hooks will be lying on the ground at arm's length.

Event Specifications:

1. Rubber gloves will be inside the glove bag cuffs down and fingers up with glove bag snapped at the start of the event. Rubber gloves are required ground-to-ground.
2. 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.
3. 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.
4. 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.
5. 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.
6. Mannequin must be lowered smoothly to the ground without coming into contact with the pole.
7. Journeyman must climb down the pole smoothly and safely. **Time will stop when the Journeyman has both feet on the ground. Note:** There must be one gaff in the pole at all times when climbing down the pole.
8. The Journeyman must use the hand-line provided.

Materials provided:

- Handline



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SINGLE PHASE CONDUCTOR TIE IN (Journeyman Event)

Mean Time: 8 minutes

Drop Dead Time: 12 minutes

Event Summary:

Competitors will have a 5-minute set up time to prepare for the event and ask any questions. Framing on this event will be single phase. The phase and neutral conductors will be in stringing sheaves. There will be 6' spacing between the phase and neutral conductor. Both the phase and neutral will be required to be hand tied using aluminum tie wire to the phase insulator and neutral spool. This event is considered dead and grounded.

Event Specifications:

1. Event time begins on judge's signal with the competitor an arm's length away from the pole and the fall arrest system detached from the pole.
2. Aluminum tie wire will be provided. Competitor will use The Lineman's and Cableman's Handbook, chapter 22, figure 22.29 for side tie and 22.31 for top tie.
3. Competitor will be required to have a handline to pull up and lower to the ground tie wires.
4. Time stops when competitor signals the judge that the phase and neutral are tied in.
5. The judge will inspect the ties from the ground.
6. Once the judge has finished his/her inspection and given the okay, the competitor will untie the conductors and return the conductors to the stringing sheaves.
7. Competitor is judged until he/she is back on the ground.



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OBSTACLE COURSE

(Journeyman 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. Deadend insulator pin must point inward.
9. Gaffs must be covered any time outside of circle.