

30TH ANNUAL
PACIFIC NORTHWEST
**LINEMAN
RODEO**



**2024
PORTLAND, OREGON**



**2024 Pacific Northwest Lineman Rodeo
Information Packet**

PACIFIC NORTHWEST LINEMAN RODEO

JULY 27, 2024

**SPONSORED BY: Portland General Electric, PacifiCorp, Clark Public Utilities and IBEW
Locals 125, 659, and 77.**

The Pacific Northwest Lineman Rodeo planning committee would like to thank and congratulate all of the previous year’s competitors and participants who take pride in your profession and have the desire to come out, compete, and have fun at the annual Lineman Rodeo! We would like to invite you to this year’s Pacific Northwest Lineman Rodeo. It will again be held at **PGE's Linneman Substation, located at 3490 W. Powell Loop, Gresham, Oregon.**

The competition begins at 8:30 a.m.

A Team for the Lineman Rodeo consists of **four** participants: two climbing Journeymen, a ground man, **and** a Judge. Apprentices compete individually. Utility Supervisors and Journeymen are Judges and will follow strict guidelines.

All participants will need to bring their own hooks, belts, hard hat, safety glasses, hand tools, rubber gloves and protectors. We shall provide necessary hot-sticks and special tools, but you are welcome to bring your own, as long as they are approved tools. Long sleeved shirts are required. PLEASE ENSURE THAT ALL BAGS AND TOOLS ARE CLEARLY MARKED WITH YOUR NAME AND/OR COMPANY FOR IDENTIFICATION. Any custom and/or hand-made tools such as bags, holders, etc., must be approved by the Chief Judge prior to an event. ANY tool or stick used on a “line” may not have been customized or modified in any manner, as they will not be allowed in competition. Listed below are the scheduled events for the 2024 Pacific Northwest Lineman Rodeo:

<p><u>JOURNEYMAN EVENTS:</u> Hurt-man Rescue Pole Climb Distribution Dead End Wire Transfer High-Line Bell Change Out Wire Spreading Event</p>	<p><u>APPRENTICE EVENTS:</u> Written Test Hurt-man Rescue Pole Climb Traveling Ladder Relay Event</p>
<p><u>PRE-APPRENTICE EVENTS:</u> Written Test Pole Climb Slack-Block Makeup</p>	
<p><u>ATTACHED ARE THE FOLLOWING:</u> Rodeo Agenda Competitors Registration Link Judges Registration Link Vendor Registration Link General Q&A</p>	<p>Scoring/Judging Guidelines/Rules Journeyman Team Events Apprentice Events Pre-Apprentice Events</p>

Rodeo Agenda

Friday, July 26, 2024

11:00am – 3:00pm: Early competitor registration

5:00PM –? Judges' Meeting:
Rodeo Grounds 3490 W Powell Blvd.
Gresham, OR 97230

It is imperative that all Judges attend this meeting in order that rules and guidelines may be discussed and judging parameters be set for the following day.

Saturday, July 27, 2024

6:00AM: Registration of contestants, receive scoring packets, and Team or Individual Pictures

8:00AM: Color Guard Ceremony
Opening Ceremony
Rodeo Competition Begins

Food and drink services are currently under discussion and more information will be made available on the Rodeo website once finalized.

At the conclusion of the Rodeo and following the last event, a social hour will take place for raffling prizes and the highly popular charity auction while the competition results are being tallied for Award Presentations.

For further questions concerning information or participation in the 2024 Pacific Northwest Lineman Rodeo, please contact:

Joel Wallace	Portland General Electric	503-703-4307	Salem, OR
Rob Craig	NW Line JATC	971-288-8124	Vancouver, WA
Larry Becht	IBEW Local 77	509-750-6706	Grant County, WA
Jeremy Barr	PacifiCorp	360-904-6937	Battle Ground, WA
Kevin Freeman	PacifiCorp	971-347-8945	Portland, OR
Jackie Carter	Clark Public Utilities	503-730-8902	Vancouver, WA

For information on or questions on individual events or judging, please contact:

Dave Rondeau, Master Judge: Cell: 503-841-8872

IMPORTANT

ALL TEAM REGISTRATIONS
MUST INCLUDE A JUDGE FOR
THE TEAM TO COMPETE.

TEAMS CANNOT REGISTER
WITHOUT A JUDGE, AND THE TEAM
WILL RECEIVE A **2-POINT**
DEDUCTION IF YOUR TEAM JUDGE IS
NOT AT THE GROUNDS ON EVENT
DAY

DEADLINE FOR REGISTRATION IS
JULY 15, 2024

ALL CLIMBING EVENTS WILL
REQUIRE FULL FALL RESTRAINT,
INCLUDING A SECONDARY BELT
WHEN NECESSARY!!!

NOTICE

THIS IS AN INFORMATION PACKET ONLY!

**YOU ARE NOT
OFFICIALLY REGISTERED
UNTIL YOUR FORM HAS
BEEN SUBMITTED ONLINE**

**ALL 2024 COMPETITORS
AND VENDORS Registrations
must be submitted ON-LINE ONLY**

Click the link below to register:

<https://www.pacificnorthwestlinemanrodeo.org/home-page/registration/>

Volunteer Judges please use the registration link
(Above) or the mail-in form on the next page.

VOLUNTEER JUDGE'S FORM

The 2024 Pacific Northwest Lineman Rodeo Competition will again be held at:

PGE's Linneman Substation
3490 W. Powell Loop.
Gresham, OR.

We would like to thank all participants in the past for taking pride in their profession and dedicating their time to support this annual event.

In recent years, there has been somewhat of a shortage of Judges for the competition. We would like to put out a request for Journeyman Linemen and Supervisors to come out and participate as Judges for this year's competition. If you are not registered with a team and would be interested, please fill out and send this form to the address listed below, or complete the [on-line registration form](#). You can review the judging guidelines and rules later in this document, which you should review prior to the Judges' Meeting, Friday, **July 26, 2024**. You will receive a complete packet at the Judge's meeting.

Thank you,

Northwest Pacific Lineman Rodeo Committee

Judge's Name: _____

Phone: _____

E-mail address: _____

Company Name: _____

Shirt Size S M L XL XXL

Event Preferences: (We will attempt to get you in a preferred event, but no guarantees):

1. _____

2. _____

3. _____

**Mail this form to: Northwest Pacific Lineman Rodeo Association
17200 NE Sacramento St.
Portland, OR 97230
ATTN: Dave Rondeau**

NOTE: All judges must wear proper PPE

Pacific Northwest Lineman Rodeo

JULY 27, 2024 Vendor Registration

The Northwest Pacific Lineman Rodeo, sponsored by PGE, PacifiCorp, Clark PUD, IBEW Locals 125, 659, & 77, and planning committee would like to thank you for your participation and interest in this year's event. The 2024 Lineman's Rodeo will again be held at:

**Portland General Electric's Linneman Substation
3490 W. Powell Blvd.
Gresham, OR 97230**

The Vendor Fee for this year's rodeo is \$150; door prizes are greatly appreciated as they are raffled off throughout the day. Spaces may be limited, so please reply prior to **July 15, 2024.**

Tents (12' x 12') are available for extra door prizes, but at a limited supply on a first-come first served basis. You may bring your own, but we can only set them up as room allows.

Availability is limited, reserve as soon as possible at:

<https://www.pacificnorthwestlinemanrodeo.org/home-page/registration/>

Electricity is **very limited** and will be available also on a "first-come first-served" basis, so please indicate if you will require it at your booth. Should you have any special requirements, please contact us and we will make every effort to accommodate your requests.

The contact for Vendors is:

Joel Wallace

Portland General Electric 503-703-4307

E-mail: pnwlinemanrodeo@gmail.com

Any equipment, trailers, tents, etc. must be set up by **early afternoon** on Friday, July 26, 2024. Security will be provided by the Committee Thursday evening through Sunday morning.

Opening Ceremonies begin at 8:00 a.m. We look forward to seeing you and again thank you for your interest.

Pacific Northwest Lineman Rodeo Association Planning Committee

Pacific Northwest Lineman Rodeo

General Questions and Answers

1. **Who is qualified to enter and what is a Team?** A Team consists of two Journeyman Linemen, one groundman, **and a judge**. The groundman may be a Journeyman Lineman, but remains the groundman for all events. If a competitor is hurt, he/she will be out of the competition for the remainder of the events. The Team can then substitute an alternate Journeyman as his replacement. The groundman may, with the Chief Judge's approval, be an alternate, but he must also be a Journeyman Lineman.
2. **Will any events be in aerial buckets?** No.
3. **May the simulated "hot" events be rubber gloved?** No. Gloves must be worn only when a Lineman breaches minimum clearances, unless otherwise specified. All "hot" events, unless stated otherwise, are simulated 12.5kv, and must be worked with sticks.
4. **What will we be scored on?** You will be scored on Safety practices, work practices, equipment handling, neatness, and a timely competition of each event.
5. **Who will be the judges?** Utility Supervisors, Journeyman Linemen, working or retired, will be the event judges.
6. **How many judges will there be for each of our events?** Except for the Speed Climb and Rescue, all events will have only one judge per Team or Apprentice. They may have two judges, if available, to get a correct and average time.
7. **Will there be cause for immediate disqualification?** Yes. Bad or unruly conduct, and consumption of alcohol during competition are grounds for disqualification.
8. **Do we have to furnish any tools?** Yes. You will need hooks, belt, hard hat, safety glasses, fall restraints, long sleeved shirts, hand tools, rubber gloves, and hand-lines for 45' poles. We will provide the hand-lines for the High-line event, if desired, and the Hurt-man Rescue. Though we will provide hot line-tools and cover up equipment for most events, for Teams that were unable to ship their own, supplies may be limited. You are welcome to bring your own tools, as long as they are not modified in any way.
9. **Can I use custom or homemade tools?** Any tool used on a conductor, simulated "energized" or not, must not be custom made or modified in any way. Any questionable hot-line tool may need approval of the Event Judge, and may be subject to identification in Manufacturer's Catalogs available on hand. Glove bags, stick bags, tool holders, etc., may be modified or customized, and are subject to approval of the Master Judge.
10. **Will there be bleachers available at the Rodeo grounds?** No, more tents for shade was opted for instead. It would be a good idea to bring your own chairs, if desired.
11. **Will refreshments be available?** Food arrangements for the 2024 Rodeo are currently under discussion. More details will be published when available on the [Rodeo Web Site](#)
12. **Can we stay on the Rodeo grounds?** Yes, provided you have self-contained camping equipment. Security will be provided Thursday evening through Sunday morning. Spaces, however, are very limited. **FIRST COME FIRST SERVED**. No reservations.

13. **Can we ask our judge questions?** Yes, but only prior to the start of the event. You may not question him once your time has started.
14. **What happens when our judge is from my area or company?** You must request another judge.
15. **May I contest a call if I disagree with a deduction?** Yes. You may contest a call with the Chief Judge of your event, and the Event Judge, if necessary, without consequence.
16. **A first aid station and paramedics will be on the grounds throughout the day.**
17. **Will video footage be allowed to settle disputes?** No.
18. **Can I use Velcro straps on my climbers?** Yes, if they are used as manufactured, and not modified in any way.
19. **Are Team shirts required?** No. Only long sleeved shirts are required.
20. **Can an apprentice be a groundman on a Rodeo Team, while still competing in the Apprentice competition?** No. Time does not allow that.
21. **Is there a minimum hot-stick length?** Yes; 6' sticks are the minimum lengths, unless otherwise specified.
22. **Is the groundman the safety watch?** No, the Judge is the safety watch.
23. **If I am the groundman on a Team, can I climb in the Hurt-man rescue or Speed climb if I hold a Journeyman's card?** No, the designated groundman remains so during all events, except as noted in Question 1, above.
24. **Our area has a person who would like to volunteer as a judge, although he is not a Supervisor, past participant, or a Journeyman Lineman. Can he still be a Judge?** He may not be a judge, but volunteers are always needed for the Rodeo in staging areas, Hurt-man rescue, and other areas.
25. **Is it important to provide a judge from my area?** Yes. Each team is required to bring at least one judge or the team will receive a penalty on their final score. It places a real hardship on local utilities and contractors to provide half of the judges needed. We encourage all Teams to bring as many judges as they can. It is important, however, that all judges be at the Friday night judges meeting to give input, discuss methods and work practices, and set common guidelines for judging the competition.
26. **Are safety glasses required in all events?** Yes. Although the competition grounds are not energized, all applicable safety practices must be observed as if it were.
27. **I still have a single locking safety belt, will they be allowed?** No. OSHA Regulations disallows them now. Full fall arrest is required for all climbing events.
28. **Can we run a hand-line while the Linemen are working?** Yes, but only if they are safe-tied in, and not ascending or descending the pole.
29. **If a lineman is climbing, can the other lineman secure the hand-line to stop movement, and the groundman hang something on it?** Yes, as long as the hand-line is not "running," and does not interfere with the other climber.

30. **If we contest a call, will we receive a deduction?** No. However, you **MUST** satisfy your contested call with the Event Judge, or the Master Judge if necessary, before **LEAVING THE EVENT AREA**. After leaving the area, the call stands and will be recorded in the Scoring trailer.
31. **If we feel we have not been scored correctly, can we notify the person doing the recording in the Scoring trailer?** No. Absolutely no contestants are allowed in the Scoring trailer, as it has posed a problem in the past. **Once you leave your event, your score and time stand as is.**
32. **As a judge do I need to bring anything?** Yes. Proper work wear – hard hats, glasses & footwear. If you have a stopwatch, you should bring that. We will provide them, but on occasion they may quit sometime during the day!

SCORING GUIDELINES

1. Scoring will be judged for:
 - ✓ Safety
 - ✓ Work Practice
 - ✓ Neatness and Ability
 - ✓ Equipment Handling
 - ✓ Timely Completion of the Event
2. Time will be used only as a tiebreaker.
3. Total number of events
 - Team: 5 (five)
 - each Apprentice: 4 (four)
 - each Pre-apprentice: 3 (three)
4. Each event is worth 100 points.
5. For each event, the Teams, Apprentice, or Pre-apprentice with the highest score (100 points) shall determine the winner. In the event of a tie score, the Team, Apprentice, or Pre-apprentice with highest score **AND** the fastest time in that same event will be determined the winner.
6. There will be **no bonus** points for placing 1st, 2nd, or 3rd in any event.
7. Upon completion of all events, the Team, Apprentice, or Pre-apprentice with the highest total points will be determined the Overall Champions of the Rodeo. In the event of a tie score, the Team, Apprentice, and Pre-apprentice with highest total points **AND** the lowest total time will be determined the Champions.

As not all Apprenticeship programs are consistent in length, you will have a place on your registration form to indicate the number of months you have been in the program, as well as the total length of your program. The category you are placed in will be based on **one-third of your overall program length**.

NOTE: APPRENTICES MAY BE REQUIRED TO VERIFY THEIR LENGTH IN A PROGRAM VIA SUPERVISOR, INSTRUCTOR, ETC. LATE REGISTRATION MAY AUTOMATICALLY PLACE AN APPRENTICE IN THE “THIRD STEP” CATEGORY.

JUDGING GUIDELINES

The Pacific Northwest Lineman Rodeo Committee sets forth the judging guidelines listed below. Each event will be worth a total of 100 points.

All safety rules are to be observed during events. (See the following list for some of the point deductions. For additional deductions, see individual event descriptions, as well as questions and answers.)

INFRACTIONS - 2-POINT DEDUCTION

- Lose hard hat.
- Not wearing safety glasses.
- Dropping tools or equipment.
- Burnouts.
- Hot-dogging.
- Hand-line operation, unless otherwise noted in an event, while climbers are ascending or descending a pole, or unsafe-tied.
- Misuse of rubber.
- Second man starts climbing while the first man is still climbing.
- Twisted hand-line operation without attempts to correct it.
- Not wearing OSHA-approved Lineman's belt.
- Poor housekeeping.
- Lack of communication.
- Exceeding the mean time to complete an event, exceeding the "Drop-dead" time.
- Climbers ascending or descending at the same time.
- Long sleeved shirts are required. OSHA rules will apply. Journeymen should know what to use and what to wear. If shirt has buttons on the sleeves, they must be buttoned. Sleeves can't be pushed or rolled up.
- Dropping hand-line before one Lineman is on the ground: hand-line could be the lifeline.
- Rescue dummy not hitting the ground in a gentle, controlled manner.
 - Breaking minimum clearance rules.
 - Improper use of fall restraint.
 - Not arriving within 20 minutes to next event.

GENERAL RULES – 10-POINT DEDUCTION

- Accidental contact with phases.
- Working opposite phases.
- Throwing materials or tools off poles.
- Rescue dummy free falling to the ground or otherwise, in the Judge's opinion, is "out of control" of the rescuer.

RULES

1. Burnout/Cutout/Fall - Maintaining at least one hook in the pole, and staying in control doesn't constitute a burnout, cutout or fall. A 2-point deduction will result in a situation where control is lost and/or both Gaffs leave the pole causing the climber to drop or fall.
2. Excessive grabbing onto braces, arms or hardware to assist a climber when positioning themselves on a pole will result in a 2-point deduction.
3. Failure to wear proper safety equipment correctly such as hard hats, safety glasses, long sleeved shirts with sleeves rolled up, and unbuttoned or buckle straps not tucked in will result in a 2-point deduction.
4. Tarps laid on the ground for purpose of laying hot sticks may be walked on with no penalty. Walking on tarps with gaffs on, **covered or not**, will result in 2-point deduction
5. Any item dropped, unless otherwise noted, will be a 2-point deduction, unless otherwise noted.
6. When simulating "HOT" events, the work being performed must not cause excessive shaking of the pole or conductors; excessive shaking MAY result in a 2-point deduction.
7. Judging of the Hurt-man Rescue event does not stop once the dummy is on the ground, the rope slack. Though the time has stopped, contestants may still receive deductions for mishaps that occur while re-hanging the dummy and descending the pole. Please read guidelines thoroughly; they may have changed.
8. Judges are responsible to oversee that the dummy is properly re-hung for the next contestant.
9. Any Team member who persists on gathering information from a Judge, heckling or arguing a point, will be urged once to drop the issue. Failure to do so may result in up to a 5-point deduction.
10. Teams that fail to report to event stations after being summoned twice may forfeit that event and receive no points. Discretion may be used by the Chief Judge of the event.
11. Each event will simply begin as follows: When the Team/Apprentice tells the Judge they're "READY", time starts when the Judge says, "GO."
12. All hot-sticks are to hang on approved hot stick hangers or be in bags with the exception with sticks that lock on, unless otherwise specified.
13. No power tools, hydraulic, electric or otherwise, are allowed.
14. When applying cover and rubber, only standard practices are acceptable. No taping or tying of cover is allowed.
15. Multiple dings apply against safety issues only! When a safety violation is broken multiple times, the proper amount of points will be deducted. Example: A Journeyman breaches proper clearances three times that will result in a total of a 6-point deduction.

16. Unless otherwise noted, failure to complete an event within the mean time is a 2-point deduction.
17. An additional 5 minutes after the mean time will be the “DROP-DEAD” time. At this point, the judge will stop your time and have you re-assemble the station to its original condition and you will receive an additional 2-point deduction. Though time has stopped, keep in mind that you can still receive deducts for dropping anything, cutouts, or other rules that apply to a “dead” event.
18. It is your responsibility to make sure your score book is filled out and paperwork turned in before leaving stations.

LISTED ABOVE ARE ANSWERS TO COMMONLY RAISED QUESTIONS,
THESE ARE ONLY SOME OF THE DEDUCTIONS. ALSO SEE EVENT
DESCRIPTIONS, QUESTIONS & ANSWERS, ETC.

JOURNEYMAN HURT MAN RESCUE – SIMULATED HOT ON 40' POLE

Mean Time: 3 Minutes

This will be a three-man team event with all three contestants participating at the same time and at the same station. If feasible, there will be two judges will be assigned to each team. One judge will be the initial responder to the emergency call and the other will run the stopwatch and observe the team for infractions. Both judges can deduct points from a team. Time starts at the judge's signal "GO". This event simulates that a man has been injured while working on a crossarm.

There are 2 poles for this event: One pole will have a crossarm with a cutout "feeding" to the adjacent pole. There will be a shotgun hanging in the fuse barrel, with a switch-stick, or similar, attachment on the opposite end. The second pole will have a single line arm, with a rescue mannequin hanging from the braces. A hand-line with an Ox-block will be hanging from the crossarm.

The linemen's belts and hooks will be hanging on a structure simulating hanging in a truck bin.

Rubber gloves are inside the glove bags at the start of the event and are required for the climbers. Rubber gloves are required for the climbers until the electrical hazard is cleared. Rubber gloves are required for the groundman, only if he touches the rope or pole before the cutout is open.

When the judge says "Go", both climbers can take their tools to the respective poles and begin putting their tools on, and the groundman must read the supplied script to the judge. The climbers **MUST** put their tools on **INSIDE** of the circle around each pole.

One climber must climb the pole with the cutout, invert the shotgun, and open the fuse using the supplied attachment. The other climber must ascend the other pole to rescue the mannequin with the Ox-block. Once the script has been read and repeated by the "Dispatcher", he can assist with the rescue.

The hurt man may be lowered in any manner as long as he has a controlled descent and does not hang up on anything.

The mannequin shall be tied under the arms with three half hitches. That will be the only acceptable knot.

The linemen on the poles must call out "Headache" loudly if any item is dropped.

The "insert" is the only item to be cut. There will be a 10-point deduction for cutting the belt in the wrong place.

If the mannequin is moved smoothly to the ground, contacting the pole is acceptable. Judges will have the discretion to judge how well the mannequin is lowered

Mannequin initial contact with ground must be within the work area circle.

Time is over when the mannequin is on the ground and the rope is slack. Ground man must signal slack in the rope.

The ground men will assist in hanging the hurt man mannequin for the next team. Exceeding 3 minutes to complete the event will result in a two-point deduction.

Judges use a 3" PVC conduit between the rope and the mannequin to evaluate the spacing in the rope knot.

Journeyman Hurt Man Rescue Script

Contestant: Truck 4952 to the Dispatcher... "WE HAVE A MAN DOWN EMERGENCY."

Judge: Dispatcher to Truck 4952... "I UNDERSTAND YOU HAVE A MAN DOWN EMERGENCY."

Contestant: Truck 4952... "THAT IS CORRECT. WE ARE LOCATED AT 3490 WEST POWELL LOOP AND WE HAVE A MAN DOWN. WE ARE BEGINNING POLE TOP RESCUE AND NEED AN EMERGENCY MEDICAL TEAM DISPATCHED IMMEDIATELY."

Judge: "THIS IS THE DISPATCHER. I UNDERSTAND THAT YOU ARE LOCATED AT 3490 WEST POWELL LOOP AND NEED EMERGENCY MEDICAL AID."

Contestant: Truck 4952... "THAT IS CORRECT".

Judge: Dispatcher to Truck 4952... "EMERGENCY MEDICAL AID IS ON ITS WAY."

Contestant: Truck 4952... "I UNDERSTAND THAT EMERGENCY MEDICAL AID HAS BEEN DISPATCHED. THANK YOU AND OUT."

Dispatcher: "10-4. WE WILL BE ON STANDBY IF YOU NEED US...OUT."

2-POINT DEDUCTIONS:

- Breaking minimum safe work clearance of 2'2"
- A Team member not making the emergency call, after Judge says, "GO"
- Team member making emergency call, not making correct call
- Not using the Ox-block in the correct manner
- Not calling out "Headache!" or appropriate warning, if anything is dropped
- Not having knife back in sheath before letting mannequin down, if performing rescue alone
- Mannequin hitting pole excessively on the way down
- Poor Team communications
- Not using switch stick, or other, attachment on shotgun to open the fused cutout
- Contacting a phase with the hand-line rope, even if you are wearing rubber gloves
- Dummy not hitting the ground in a gentle, controlled manner
- Not using fall restraints
- Not arriving within 20 minutes of the previous event.

10-POINT DEDUCTIONS:

- Dropping mannequin.
- Cutting Bashlin Belt #57-N in the wrong place.
- Incidental contact of dummy before primary is cleared.
- Contacting a phase with the hand-line rope while anyone in contact with the rope is NOT.
- Wearing rubber gloves.
- Dummy hitting the ground in what the Judge would consider “out of control,” further injuring the victim.
- Rescuer contacting the mannequin before the cutout gate is opened.
- Groundman contacting the rope without rubber gloves before the gate is opened.

MATERIALS PROVIDED:

- Hand-Line
- Pole Mannequin
- Shotgun with attachment
- Simulated Line Truck (where tools will be hung)
- Portable radio
- Work Order
- Load Dispatcher (Judge)

QUESTIONS & ANSWERS FOR HURT-MAN RESCUE:

Q: If the line is still hot, is the rescue pole considered energized?

A: Yes.

Q: Must I use the attachment to open cutout?

A: Yes.

Q: Where is the mannequin belted?

A: Above the crossarm braces.

Q: Where is the hand-line hanging?

A: On the crossarm, approximately 12” in from the outer insulator.

Q: Will I be required to cut the skid to complete rescue?

A: No.

Q: Does my knife have to be returned to its sheath before letting the dummy down?

A: Only if you are letting the mannequin down by yourself.

Q: Will we be able to handle the hand-line before the electrical contact has been cleared?

A: Yes, with proper safety procedures.

Q: How much time do we have to complete the rescue?

A: 3 minutes to have slack in the rope.

Q: Must rescuers wear rubber gloves?

A: Yes, if participating in the rescue, until the hazard of electrical shock has been cleared.

Q: Can we let the dummy free fall to the ground?

A: No, he must be kept in control at all times. He may brush the pole on the way down, but if he hits the pole or ground too hard, in the Judge's opinion, you could receive a 2-point or 10- point deduction. (See Judging Guidelines)

Q: Does the climber opening the cutout have to remove the “high” side.

A: No

JOURNEYMAN TEAM POLE CLIMB

PLEASE READ THOROUGHLY!!!

Both linemen will start with their tools on. Each Lineman will have a small grunt bag with their own egg in it. Their belts must be snapped into the D-rings, **not in their hand or around the pole!** They shall start at arms-length away from **two** adjacent poles, approximately **20 feet apart**.

Fall-restraint adjustment will be closely monitored to insure proper use

The purpose of the event is for each Lineman to follow the guidelines exactly, climbing safely and professionally.

1. When the Linemen signal the Judge they are "READY", time starts when the Judge says, "GO."
2. Both Linemen must climb poles with an egg in bucket. No padding may be added. They must carry the bucket in their mouth.
3. There will be a mark near the top of the poles and a J-hook. Each Journeyman **MUST** stop with their Safety belts **ABOVE** that mark.
4. They can temporarily store the bucket on J-hook, drop it, or keep it, it is their choice. Once they have reached the top, the Linemen must exchange eggs. They may carry the eggs down in their mouth **OR** in their grunt bags.
- 5. If not using the bag to carry the egg down, the bag **MUST** be dropped at some point. No "headache" or warning is required to drop the bag at this point.**
6. Both Lineman must descend their poles in a controlled manner.
7. Time stops when both Linemen touch the ground.

2-POINT DEDUCTIONS:

- Cutouts, slips, or falls
- Leaving a bucket at the top of the pole
- Not being safetied above the mark at the top of the pole
- Failure to use PROPERLY ADJUSTED fall restraints
- Not arriving within 20 minutes of your previous event

5-POINT DEDUCTION:

- For each cracked or broken egg

MATERIAL PROVIDED:

- 2 - Small Grunt bags
- 2 - Raw Grade A medium eggs

QUESTIONS & ANSWERS FOR POLE CLIMB:

Q: I wear false teeth. Can I take them out while participating?

A: No.

Q: A Grade A medium egg won't fit in my mouth. Can I use a smaller egg?

A: No. Only Grade A medium eggs will be used.

Q: Do I have to wear rubber gloves during this event?

A: No, but leather gloves are required.

Q: Can I start over if my egg breaks in the bucket on the way to the pole?

A: No. Once the Linemen have chosen their eggs, the eggs are then the team's responsibility.

Q: If I just drop my bucket, and it doesn't land on the chips, will I receive a deduction?

A: No, not if you simply dropped it. No throwing or tossing of the bags is allowed, and will be a deduction.

Q: What if our egg hits the ground and doesn't break?

A: Complete your task as required. There will be a 2-point deduction for dropping your egg, plus the deduction for a broken egg.

Q: What if the egg is broken by the Lineman while ascending the pole?

A: He/she must dump the broken egg out on the ground, retrieve his team mate's egg, and proceed with the event as indicated. They must call "Headache", or some proper warning, before dumping the egg. Failure to give warning will be a 2-point deduction.

JOURNEYMAN DISTRIBUTION DEAD END WIRE TRANSFER

Mean Time: 20 minutes
Drop-Dead Time: 30 minutes

Primary, Primary Neutral, Down Guy Transfer

Purpose: This is a Hot Stick event to transfer # 2 Primary Dead end, # 2 Primary Neutral Dead end, Primary Guy Wire, and Neutral Guy Wire.

Construction:

(2) 45' poles approximately 2' apart. Wire size is #2 ACSR

Setup is a 45' single phase dead end pole with the single phase primary dead ended on an expoxilator with a # 2 four bolt dead end shoe, on an eye bolt backed up by a curve washer and spring washer with 5/8 nut. The primary neutral is dead ended on a # 2 four bolt dead end shoe on the pole 48" down from the primary dead end on an eye bolt backed up with a curve washer, spring washer, and 5/8 nut. The 5/16 primary guy is on a guy attachment with preform 5/16 dead end, and backed up by a curved washer, spring washer, and 5/8 nut 6" down from the primary dead end. The 5/16 primary neutral guy is also on a guy attachment with preform 5/16 dead end, and backed up by a curve washer, spring washer, and 5/8 nut 6" down from the primary neutral dead end. There are automatic guy wire dead ends on the anchor end of the guys.

You must transfer the primary and primary neutral to the adjacent pole which is set 2' from the existing pole, and also use the new pre-made down guys. This is an out with the old and in with the new hardware event so no hardware may be reused. The same down guys will be used by all of the rodeo teams. You must strip the old guys from the old pole while the clock is running. Time will stop when one of the team members calls time with the judge. All material except the down guys must be on the tarp. Hand-line does not have to be made up but must be on the tarp completely. This is a hot stick event, and though rubber gloves are not to be used to perform the work, they must be on your belt in case of an emergency.

MATERIALS SUPPLIED:

- | | |
|----------------------------------|----------------------------|
| 2- Link sticks | 2- Hot Hoists |
| 2- #2 Hot Grips | 4- Nylon slings |
| 2- Sets of Hot Blocks | 2- Sets rope phone blocks |
| 2- ½ ton chain hoists | 2- Anchor rod pulling eyes |
| 1- ¾" Socket stick | 1- 8' Shotgun stick |
| 1-Hot Cutters | 1- Hot rope with pig- tail |
| 2 #2 grips | |
| 1- All- Purpose Cotter Key stick | |

Q: Can I use rubber gloves to transfer the insulator?

A: No, this is a hot stick event no rubber gloves and no back handing the bells.

Q: Do we have to have our rubber gloves with us on the pole?

A: Yes, rubber gloves must be taken up in case of an emergency, just like we do in the field.

Q: Can I transfer from pole to pole while in the air?

A: No, you must climb down to get onto the other pole if necessary.

Q: Must we tension the guys before transferring the wire?

A: Yes

Q: Do we have to stab the guy wire when making the guys up?

A: No, guys will be left in hoists for this event.

JOURNEYMAN HIGH-LINE BELL CHANGE OUT

Mean Time: 15 minutes

1. This is a de energized 115 KV event.
2. Construction: 55' poles, two-pole structure, with an arm approximately 5' down from the top. The outside phase will be single 795 MCM conductor suspended on an insulator. X-braces will be installed approximately 10' down from the arm. The outside insulators will be hung approximately 6' from the center of the pole.
3. The team must use proper rigging to replace the suspension polymer insulator on an outside phase. This work must be performed off of a hook ladder that will be provided.
4. Time starts when the team says "Ready" and the Judge says "Go".
5. The first lineman will ascend the pole and hang the hand-line. Once the hand-line is hung, the second lineman can ascend the pole. The crew will then hang a hook ladder and transfer onto the ladder to perform the work. Change the insulator off of the ladder. The one lineman must then replace the polymer insulator and send the old one to the ground.
6. Once the conductor is unpinned, the set of bells can be lowered to the ground in a controlled manner. As soon as the insulator touches the ground, the ground man can send them back up to be re-pinned. The crew will then send all the rigging down, including the ladder.
7. Time stops when all materials are on the ground and the last journeyman's foot hits the ground.

MATERIALS PROVIDED:

- 1- Hand-line
- 1.5 Ton Coffin hoist
- 1-Hook Ladder
- 2-4' Nylon slings

QUESTIONS AND ANSWERS:

Q: Do both journeymen have to be in the air?

A: Yes.

Q: Can the first Journeyman hang the hand-line while the second is climbing?

A: Yes, as long as it does not interfere with the second climber.

Q: Can the ground man hang something on the hand-line while the journeymen are climbing?

A: Yes, as long as he is not running the hand-line or interferes with the climber.

Q: Can we bring our rigging?

A: All relative tools will be provided for lifting and unpinning the conductor. You must use the supplied lifting equipment.

Q: Must we replace all of the suspension hardware?

A: No. Only the insulator must be replaced.

Q: Do both linemen need to be on the ladder?

A: Yes, while rigging and lowering the bells both linemen need to be on the ladder

Q: Can we send all the rigging up tied onto the ladder?

A: yes, as long as it's secure.

JOURNEYMAN WIRE SPREADING EVENT

Mean Time: 12 Minutes

1. This is a simulated 12kV event, and proper tools and procedures must be used.
2. **Construction:** 40' poles, #4Cu, 8' cross arms, V Phase Construction (2- Outside phases), one tied in with a copper tie on a pin insulator and the other outside phase will be spread out and landed on a hot arm. The neutral will be on an upset bolt 4' down.
3. The groundman must use the 3/8" rope provided and throw it over the neutral. When the first lineman unpins the neutral, the groundman must use the stake provided to tag it securely out of the way.
4. The Linemen must use proper tools and sticks to Move the phase onto the insulator and tie the phase in using a copper P tie. Once the phase is tied in the Lineman will remove the hot arm and install the arm on the opposite side of the pole. If you are removing the hot arm by hand you must be using rubber gloves while breaking the MAD. Once the hot arm is landed and secured to the pole the crew will then remove the tie wire and spread the phase out onto the hot arm.
5. The groundman will be provided with a link stick and a tag line for a hold down while the conductor it being tied or untied. Once the Conductor is either secured in the saddle of the hot arm or tied to the insulator the Lineman must tell the groundman that the phase is secure and the groundman can come off the hold down.
6. When completed, they must send all tools to the ground and re-pin the neutral.
7. Time stops when both Linemen are on the ground.

MATERIALS SUPPLIED:

- | | |
|-------------------------|----------------------------------|
| 1 – Material bag | |
| 1 – Rope and link stick | 2 – shot guns or pig tail sticks |
| 1 – 3/8" rope | 2 – Tie sticks – Duckbill Clamp |
| 1 - Hot Arm | 1 – Tie wire |

QUESTIONS AND ANSWERS:

Q: Do we have to tag out the neutral?

A: Yes.

Q: Can we safety above the neutral before it is tagged out?

A: NO.

Q: May we hang the handline above the neutral before it is tagged out?

A: NO.

Q: Can the first Journeyman hang the hand-line while the second is climbing?

A: Yes, as long as it doesn't interfere with the second climber.

Q: Must we use rubber gloves?

A: Only if breaching minimum clearance.

Q: Do we have to send down the hot arm before moving it to the other phase?

A: No. Unless you chose to.

QUESTIONS AND ANSWERS Continue...

Q: May we hang the hand-line on the crossarm?

A: Yes, AFTER the neutral is tagged out. It must be tied below the neutral before it is unpinned or re-pinned.

Q: Can both Journeymen tie/untie at the same time?

A: Yes, as this has long been a Rodeo practice, as long as the wire is secured by the groundman. The judge is your safety watch.

Q: Will we need to cut the tails of wire?

A: NO. They will be short enough to not overlap with the correct ties.

Q: What are the proper ties?

A: They are the common ties from the Lineman/Cableman's handbook.

Q: Do we have to wear rubber gloves?

A: Only if you will be breaking the MAD.

ALL APPRENTICES and PRE-APPRENTICES

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**YOU WILL REPORT TO THE LARGE TENT TO TAKE YOUR WRITTEN TEST
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PLAN TO ATTEND IMMEDIATELY AFTER THE OPENING CEREMONIES

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86-90	4 gigs	61-65	14 gigs	36-40	24 gigs	11-15	34 gigs
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76-80	8 gigs	51-55	18 gigs	26-30	28 gigs	00-05	38 gigs

APPRENTICE WRITTEN TEST

The written exam will consist of 50 questions.

The test shall cover, but is not limited to, line work safety, OSHA 1910-269, grounding, First Aid, CPR, transformer connections, etc. There will be written, multiple choice, and connection questions on the exam.

You will be directed to the written exam location on the day of the Rodeo.

Again, ALL Apprentices and Pre-apprentices must take their written exam as their first event of the day, immediately after opening ceremonies are concluded.

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APPRENTICE HURT MAN RESCUE – 40' POLE

Mean Time: 3 Minutes

Construction: 8' cross arms with wood braces. 40' Class 4 poles.

Time starts at the judge's signal with the apprentice standing at an arm's length from the pole wearing work gloves. The apprentice's belt and hooks will be lying on the ground beside him an arm's length from the pole, safety strap snapped into D-ring and belt unbuckled. Gaff guards must be on the hooks.

No belt will be allowed to be placed on or around the pole.

Rubber gloves will be properly stored in their bag, with lid snapped or closed. Rubber gloves will be required until the rescue is complete and time stops.

The hurt man will hang in the center of the pole on the cross arm side, with both ends of the safety belt through the braces. The handline could be hung on either side of the pole.

The mannequin should be tied under the arms with three half hitches. (Eye splice should not be used as part of hitches.) The half hitch is the only acceptable knot.

1. Time starts when the Apprentice is ready and the Judge says "Go".
2. The Apprentice must put on his tools and rubber gloves, ascend the pole, and rescue the mannequin.
3. They must split the handline and drop the sheave, and must yell "headache" when doing so. The sheave must land near the base of the pole and cannot be tossed.
4. The handline must make 1 complete loop around the arm, then tied under the armpits as normal.
5. Cutting the belt insert **ONLY**, they must lower the mannequin to the ground in a controlled manner. The mannequin must land smoothly on the ground.
6. Time stops then the rope is slack and the Apprentice calls "Time".
7. Using a length of 3" PVC conduit between the rope and mannequin, judges will evaluate the rope knotted around the mannequin.
8. **Although time has stopped, safety rules still apply until the Apprentice is on the ground and unbelted.**

APPRENTICE POLE CLIMB

The purpose of the event is to follow the guidelines exactly, climbing safely and professionally.

1. When the Apprentice is standing at arm's length from the pole and tells the Judge he is "READY", time starts when the Judge says, "GO."
2. Climb pole with egg in bucket. Only the egg is allowed in the bucket; no padding may be added.
3. Remove old bucket and *drop it to the base of the pole*.
4. Put egg in mouth; hang bucket on J hook.
5. Climb down without breaking egg.
6. Time stops when first foot hits the ground.
7. No free-fall or hot-dogging. Apprentice must be in control at all times. One hook must be in the pole at all times.

DEDUCTIONS:

- 10-Point deduction for a cracked egg
- See General Rules, Judging and Scoring guidelines for other deductions
- Not arriving within 20 minutes of your previous event.

MATERIAL PROVIDED:

- 1 – Small Grunt Bag
- 1 – Raw Grade A medium egg

QUESTIONS & ANSWERS:

Q: I wear false teeth. Can I take them out while participating?

A: No.

Q: A Grade "A" medium egg won't fit in my mouth. Can I use a smaller egg?

A: No. Only Grade "A" medium eggs will be used.

Q: Do I have to wear rubber gloves during this event?

A: No, but leather gloves are required.

Q: Can I start over if my egg breaks in the bucket on the way up to the pole?

A: No. Once the Apprentice has chosen their own egg, the egg is then their own responsibility.

Q: If I just drop my bucket, and it doesn't land on the chips, will I receive deduction?

A: Not if you simply dropped it. No throwing or tossing of the bags is allowed.

APPRENTICE Traveling Ladder EVENT

Mean time: 15 minutes

Construction: 45' Ductile Iron pole with step bolts installed and one phase of 795 wire dead ended to the center of the pole. There will be a traveling ladder hanging from the conductor and tied off to the pole. The traveling ladder will have a grunt sack hanging on it with a vibration dampener inside.

Apprentice may start this event with Harness on. No hooks will be required or allowed to be worn for this event. The time starts when the apprentice says go.

1. The Apprentice will attach himself to the fall arrest system that is tied off at the base of the pole and ascend the pole to get into position to transfer onto the ladder.
2. Once the apprentice has reached the ladder they will transfer onto the ladder while maintaining 100% fall protection and being tied off at all times.
3. Once on the ladder they will then untie the safety from the ladder to the pole and move the ladder out to the vibration dampener that is installed on the conductor.
4. Once in position to replace the dampener the apprentice must secure the ladder to the conductor to keep the ladder from rolling back before they can start replacing the dampener. This can be done by either using a Grape Vine or Prusik knot from the conductor to the ladder.
5. After replacing the dampener the apprentice will then bring the ladder back to the pole and secure it with the safety that is hanging on the pole, the apprentice may then attach himself to the fall arrest system that is hanging on the pole, transfer onto the pole and climb down.

Time stops when both feet are on the ground.

MATERIALS PROVIDED:

Climbing Harness
Grunt sack.
Vibration dampener

Questions and answers:

Q: Do I have to take up a hand-line

A: No, one will be hanging from the pole

Q: Do I have to wear gloves?

A: Yes, Gloves must be worn at all times during this event.

Q: Do I have to secure the ladder to the wire?

A: Yes, while at the working position or transfer position the ladder must be tied off.

Q: Do I have to be belted off to the ladder

A: Yes, as soon as you transfer to the ladder you must be belted to the ladder at all times.

INFRACTIONS THAT CAUSE A TWO-POINT DEDUCTION:

- Dropping of tools
- Exceeding the mean time

INFRACTIONS THAT CAUSE A TEN-POINT DEDUCTION:

- Dropping the Dampener to the ground
- Not completing the task at hand
- Not tied in at all times

APPRENTICE RELAY EVENT

Mean time: 12 minutes

Construction: 2 poles approximately 30' apart. One pole will have a residential riser about 10' off the ground. An extension ladder will be secured against the pole. The second pole will have a Cross Arm installed at the Communications level, transformer, secondary main, and a fused cutout. The cutout gate will be open, with a shotgun with a switch stick head on the bottom hanging from the gate. A hand line will be hanging at the secondary.

1. The Apprentice shall then use the ladder to connect the provide service wire at the riser.
2. The Apprentice can then proceed to the next pole, rig the hand line and pull it up the pole, securing it to the stake provided.
3. After tooling up, they can then ascend the pole, transfer above the Com arm and use the provided materials to dead-end and connect the service. **NOTE; ALL connections** must be simulated brushed!
4. They must then invert the shotgun and use the switch-stick attachment to close the cutout.
5. Time stops when the fuse is closed.
6. The Apprentice can then open the fuse and disassemble and set the stations back to their original status. The hand line will be left at the secondary level.

MATERIALS SUPPLIED:

- | | |
|---|-------------------|
| 1- Shotgun w/switch stick attachment | 1- Hand-line |
| 6- Secondary connectors (9/16" one-bolts) | 1- Tie down stake |

QUESTIONS AND ANSWERS

Q: Do I have to wear rubber gloves?

A: No.

Q: Do I have to brush the wire?

A: Yes, all connections must be simulated brushed (knife, Klein's, etc.) and should be indicated to the judge.

Q: Can I carry the connectors in my ditty bag?

A: Yes

Q: Can I place the materials in the bag before the event starts?

A: Yes.

Q: Do I have to be belted in while on the ladder?

A: Yes, when you reach your work area.

Q: Can I have my belt on when the clock starts?

A: No.

Q: Can I just be in my secondary skid once above the Com arm?

A: No. You must be in your fall arrest device while working at the service level.

Q: Can I stand on the Com arm while working on the service or closing the Cut out?

A: No. You must be on the pole while performing the work.

LINEMAN PRE-APPRENTICES

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MATERIAL PROVIDED:

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A: No. Once the Apprentice has chosen their own egg, the egg is then their own responsibility.

Q: If I just drop my bucket, and it doesn't land on the chips, will I receive deduction?

A: Not if you simply dropped it. No throwing or tossing of the bags is allowed.

PRE-APPRENTICE SLACK-BLOCK MAKEUP

Mean Time: 9 Minutes

Construction: A wire reel and tarp will be provided for your use.

1. The Pre-Apprentice will start the blocks, rope, tape and tools on the table.
2. Time starts when the Judge says "GO".
3. The Pre-Apprentice must correctly weave the rope through the blocks and attach the rope to the pulling block with an eye splice. The eye splice shall be a maximum of 1" measured on the inside of the loop. The tails must be cut to 1/8" length.
4. The Pre-Apprentice must then weave a Crown knot on the other end of the rope, cutting the tails to 1/8" in length.
5. All trash pieces must be placed in the bucket provided.
6. Pre-Apprentice will then attach a grip provided to the slack blocks, there will be a coil of service wire secured and hanging from a pole, pre apprentice must then pull the service wire tight with your slack blocks attached to an anchor.
7. Time stops when the service wire is tight, trash is picked up and the Apprentice calls "TIME".

MATERIALS PROVIDED:

- 1 – Set of slack blocks
- 1 – 10' length of 3/8" rope
- 1 – Roll vinyl tape
- 1 – Trash receptacle
- 1 – Grip

QUESTIONS AND ANSWERS:

Q: Must I wear gloves during this event?

A: No. The only tool required is something to cut the tails with.

Q: Can I tape my rope tails prior to the start?

A: No.

Q: Can I cut pieces of tape prior to the start?

A: Yes.

Q: If I lose a small piece of rope due to wind, etc., is that a deduction?

A: As long as you make a good attempt to gather all debris, there will be no deduct.