

TLRA 2023 FINAL EVENT LIST

UPDATED JUNE 20, 2023

WRITTEN TEST – (Apprentice)

TLRA Executive Board	Bobby Christmas	Guadalupe Valley EC
TLRA Executive Board	Darin Koehler	San Marcos Electric Utility
TLRA Advisory Committee	Mitch Kellogg	Farmers EC

Apprentices will complete a 50-question written examination with questions pulled from the 13th Edition Lineman/Cableman's Handbook. Any form of cheating or attempt at cheating will result in disqualification from the rodeo competition.

Drop Dead Time: 25 Minutes

TOOL INSPECTION – (Apprentice)

TLRA Master Judge-	Doug Schlemmer	Bluebonnet EC
Chief Judge-	Curtis Whitt	TEC Safety and Loss Control
	Clint King	TLRA Master Judge
	Kevin Moore	TLRA Master Judge
	Mark Busby	TLRA Master Judge
Event Judges-	All members	TLRA Advisory Committee

After written test, all apprentices show up to Inspection event with all climbing equipment and PPE, to include belt, primary and secondary safety, gaffs, guards, gloves, rubber gloves (No date required) and protectors in bag, safety glasses and hardhat with liner/suspension. Hand tools will be inspected if brought in the area. Apprentices may be asked to replace failed items at judges' discretion.

2023 POLE CLIMB (Apprentice and Journeyman)

TLRA Master Judge-	Kevin Moore	TEEX
TLRA Advisory Committee- (Alternate)	Jeff Padavick	Techline Inc.
TLRA Advisory- Chief Judge-	Mitch Kellogg	Farmers EC
Chief Judge--	Phillip Mullen	Oncor/TEEX retired
Assistant Chief Judge-	Tracy Nelson	AE retired/working
Assistant Chief Judge-	Kenny Lehmann	TEEX
Tailboard-	Doug Grimm	Bluebonnet EC
Tailboard-	John Hernandez	Bandera EC
	Needed	
	Needed	

Event Summary:

This event requires demonstration of proficiency of pole climbing and work positioning skills

Event Time: None

Drop Dead Time: Exceeding 4 minutes to complete the event will result in a 5-point deduction.

Time starts: At judges' signal with member standing an arm's length from pole

Tools required: Climbing Belt with Fall Restraint and Climbers (Hooks), Hardhat, Safety Glasses, and Leather Work Gloves with minimum 2" Gauntlet, Work Boots, and Gaff Guards.

Tools/Equip supplied: Small Bag and Grade A Large Egg

Gaff guards may be removed with leather gloves inside 10' painted circle.

No contestant will be allowed to start with restraint in hand or on the pole.

Work gloves ground to ground.

Egg bucket lanyard shall not be altered.

Contestant shall have lanyard in mouth with only an egg in the bucket at start.

In working position (No hands on arm or pole) hang bucket on J-Hook.

Remove ringer from crossarm, ring triangle, then return ringer to crossarm.

Place bucket lanyard in mouth and descend pole.

Time stops when first foot touches ground.

Judging continues until climber is out of the 10' circle.

Housekeeping rules apply (Egg in trash)

2023 HURT MAN RESCUE (Apprentice)

TLRA Master Judge-	Kevin Moore	TEEX
TLRA Advisory Committee-	Kirby Dawson	Bartlett EC
TLRA Advisory Committee-	Jimmy Hill	Navasota Valley EC
Chief Judge-	Darrell Hall	Pedernales EC
(Alternate)	Russell Laird	Frontline Power
Chief Judge-	Russell Carroll	Navasota Valley EC
Assistant Chief Judge-	Richard Pajestka	Georgetown EU
Assistant Chief Judge-	Jason Faucett	Bartlett EC
Tailboard- Needed		
Tailboard- Needed		

Event Summary:

This event simulates the rescue of a hurt man safetied on a 40' wood pole with an 8' crossarm.

Event Time: None

Drop Dead Time: Exceeding 4 minutes to complete the event will result in a 5-point deduction.

Time starts: At judges' signal with member standing an arm's length from pole

Time stops: When manikin comes to a controlled stop. (Between white band at 6' and ground)

Tools required: Climbing Belt with Fall Restraint Safety and Positioning Belt and Climbers (Hooks), Hardhat, Safety Glasses, Rubber Gloves in bag, and Leather Work Gloves with minimum 2" Gauntlet, Work Boots, and Gaff Guards, and a knife in a sheath.

Tools/Equip supplied: Handline with ½" PD100 Nylon Rope, Manikin with fall restraint.

The climber's belt and hooks will be hanging on T-post outside ten-foot painted circle, fall restraint can be engaged in D-ring.

Gaff guards will be on climbers at the judges' start signal.

Climber signals judge verbally to contact 911.

Rubber gloves will be inside the glove bag (Cuffs down, fingers up, flap secured), with the glove bag attached to the belt (Can take glove bag off within 10' circle) at the start of the event.

Rubber gloves are required ground to ground.

Gaff guards may be removed when lineman is within 10' painted circle.

Rubber gloves may not be used to remove or install gaff guards.

Looking at the pole from the cross-arm side, the hand line will be hung on the right side.

The hurt man manikin will hang in the center of the pole on the cross-arm side, with both ends of the safety straps through the braces.

You must always take a minimum of one complete wrap around the cross-arm before lowering the hurt man

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

A maximum of 6 inches slack is allowed from manikin's chest to first half hitch.

Call out "Headache" loudly when you drop your sheave.

The sheave is to be dropped within the 10' circle painted at the base of the pole.

A Bashlin belt 57-N will be used on the manikin. You must cut the Bashlin 57-A insert. There will be a 10-point deduction for cutting the belt in the wrong place.

There is a white band painted on each pole. The top of the band is measured from the ground up **6'**. From the 6' mark the band goes down 6" (5' 6" from ground). Total length of band is 6" Manikins should be smoothly lowered. The manikin may contact the pole upon initial swing, but not with pole or ground on its descent. The manikin must come to a controlled stop and some part of the manikin must be even or below white band but not touching the ground. There will be a 2 point deduct if the manikin makes contact to the ground during initial rescue. There will be a 2 point deduct if no part of the manikin is not below the white band. A 10-point deduction for failure to control the fall of the manikin (Controlled descent, no free-fall). After time is recorded, the manikin needs to be gently lowered to the ground. No deduction for contacting pole after time is recorded. There will be a 2 point deduct for not controlling manikin after time is recorded.

The judge will assist in hanging the hurt man manikin for the next Apprentice.

Other Considerations:

Judging stops when the apprentice leaves the Event area

Gaff guards must be on before stepping out of 10' painted circle.

Warm up on event poles will not be allowed

2023 HURT MAN RESCUE (Journeyman)

TLRA Master Judge-	Kevin Moore	TEEX
TLRA Advisory Committee-	Kirby Dawson	Bartlett EC
TLRA Advisory Committee-	Jimmy Hill	Navasota Valley EC
Chief Judge-	Darrell Hall	Pedernales EC
(Alternate)	Russell Laird	Frontline Power
Chief Judge-	Russell Carroll	Navasota Valley EC
Assistant Chief Judge-	Richard Pajestka	Georgetown EU
Assistant Chief Judge-	Jason Faucett	Bartlett EC
Tailboard-	Needed	
Tailboard-	Needed	

This event simulates the rescue of a hurt man safetied on a 40' wood pole with an 8' wood crossarm

Time starts: Judges' signal with member standing an arm's length from pole.

Time stops: When the groundman calls time after manikin comes to a controlled stop. (Between white band and ground) Exceeding 4 minutes to complete the event will result in a 5-point deduction.

Tools/Equipment required: Climbing Belt with Fall Restraint Safety and Positioning Belt and Climbers (Hooks), Hardhat, Safety Glasses, Rubber Gloves in bag, and Leather Work Gloves with minimum 2" Gauntlet Groundman}, Long (Extendo) Stick, Work Boots, and Gaff Guards

Tools/Equipment supplied: Handline, Manikin with expendable rope in fall restraint.

*The lineman's belt and hooks will be hanging on T-post outside ten-foot circle; safety can be engaged in D-ring. Gaff guards will be on climbers. At the judges' start signal. Rubber gloves will be inside the glove bag (Cuffs down, fingers up, flap secured), with the glove bag attached to the belt (Can take glove bag off on chips) at the start of the event. **Rubber gloves are required ground to ground, other gloves will not be allowed inside of the rubber gloves.** Gaff guards may be removed when lineman is on mulch. Gloves will be required to remove or apply gaff guards

*At the judges' start signal. A team member will make a radio Emergency call to dispatch. (See narrative script below). While a second team member starts running a long stick to open a cutout (by putting the stick finger in the eye of the cutout and then return long stick to t-post (no one, other than stick operator, can be inside 10' circle until cutout has been opened).

*Looking at the pole from the cross-arm side, the hand line will be hung on the right side and a cutout will hang on the left side on the cross-arm. The hurt man manikin will hang in the center of the pole on the cross-arm side, with both ends of the safety straps through the braces. You must always take a minimum of one complete wrap around the cross-arm before lowering the hurt man.

*Manikin should be tied under arms with three half hitches (eye splice should not be used as part of hitches). The half hitch is the only acceptable knot. A maximum of 6 inches slack is allowed from manikin's chest to first half hitch.

*Call out "Headache" loudly when you drop your sheave. The sheave is to be dropped in the wood chips at the base of the pole.

* A Bashlin belt 57-N will be used on the manikin. You must cut the Bashlin 57-A insert. There will be a 10-point deduction for cutting the belt in the wrong place.

*There will be a 2 point deduction if the cutout door falls out of the holder.

*There is a white band painted on each pole. The top of the band is measured from the ground up **6'**. From the 6' mark the band goes down 6" (5' 6" from ground). Total length of band is 6"

*Manikins should be smoothly lowered. The manikin must not come in to contact with the ground or pole on its descent. Time will stop whenever the groundman replies with TIME. The manikin must come to a controlled stop. After time is called, some part of the manikin must be even or below white band but not touching the ground. There will be a 2 point deduct if the manikin makes contact to the ground during initial rescue. There will be a 2 point deduct if no part of the manikin is not below the white band. A 10 point deduction for failure to control the fall of the manikin.(Controlled descent, no free-fall). After time is recorded, the manikin needs to be gently lowered to the ground. No deduction for contacting pole after time is recorded. There will be a 2 point deduct for not controlling manikin after time is recorded.

* Groundman and 2nd Lineman will assist the climbing Lineman to lower Manikin to the ground.

*The groundman (using leather gloves) will assist in hanging the hurt man manikin for the next team.

Judging stops when the Team leaves the Event area.

Gaff guards must be on before stepping on or off chips.

Warm up on event poles will not be allowed

Journeyman Hurt Man Rescue Script

CONTESTANT: TRUCK # (TEAM #) TO THE DISPATCHER...WE HAVE A MAN DOWN EMERGENCY.

JUDGE: DISPATCHER TO TRUCK (TEAM #)...I UNDERSTAND YOU HAVE A MAN DOWN EMERGENCY.

CONTESTANT: TRUCK (TEAM #)...THAT IS CORRECT. WE ARE LOCATED AT 2220 FM 466, Nolte Island Recreation Area, 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 2220 FM 466, Nolte Island Recreation Area, AND NEED EMERGENCY MEDICAL AID.

CONTESTANT: TRUCK(TEAM#)...THAT IS CORRECT, DISPATCHER. WE NEED IMMEDIATE ASSISTANCE.

JUDGE: DISPATCHER TO TRUCK (TEAM#)...EMERGENCY MEDICAL AID IS ON ITS WAY.

CONTESTANT: TRUCK (TEAM#)...I UNDERSTAND THAT EMERGENCY MEDICAL AID HAS BEEN DISPATCHED AND IS ON ITS WAY. THANK YOU, AND OUT.

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

2023 MYSTERY EVENT 1 – OBSTACLE POLE (Journeyman)

TLRA Master Judge-	Clint King	Frontline Power
TLRA Advisory Committee-	Jeff Bradford	Austin Energy
TLRA Advisory Committee-	Jason Grier	Centerpoint Energy
TLRA Advisory Committee-	Daniel Fritsche	Bluebonnet EC
Chief Judge-	Allen Chelette	Centerpoint Energy
(Alternate)	Rick Schwartz	IBEW Local 66
Assistant Chief Judge-	Eric Bitzko	Firmatek
Tailboard- Needed		
Tailboard- Needed		

Event Name: Obstacle Pole

Event Summary: The purpose of this event is to demonstrate the skills needed to climb, maneuver, communicate, and work aloft and on the ground safely. All work can be performed by the climbers in leather gloves with 2' gauntlet. Several stations require specific tasks that the team members must accomplish before moving on to the next one.

Event Parameters: The pole is framed with a double alley arm located 30" from the top of the pole, braced with an alley arm brace with a step. The bolt hole for the brace is 24" from the end of the cross arm. The 1/0 ACSR neutral is located on a single upset bolt located 3" from the top. If facing the pole, looking at the two cross arms, which are hanging out to the left, on the arm closest to you there is a 15kV insulator on the **second you outside pin-hole (24" from end of the arm)** and one fused disconnect (AB Chance 15kV) located 8 inches from the face of the pole. The only conductor on the pole is the neutral on the upset bolt.

Event Time: 8 Minutes

Drop Dead Time: 13 Minutes

Time Starts: At the judge's signal, after competitors are tooled up and the 5-minute question/answer session is over. Bags will be unloaded, everything on tarp except handline.

Time Stops: The time stops when the telescopic stick is fully retracted and placed on the tarp. A team member will notify the judge to stop the time. Bags will be unloaded and everything on tarp including handline. After time stops teams will return tarp to condition found in.

Equipment Required: Climbing Equipment, Necessary Hand Tools, PPE, Hand Line, Bags, and Extendo Stick.

Equipment Supplied: None

Material Supplied: None

Step 1: The groundman must pick up and extend the extendo stick, break fuse link, and lower barrel to the ground. After telescoping stick is fully retracted and placed on the tarp, Journeyman #1 can ascend the pole.

Step 2: Journeyman #1 will ascend the pole to the alley arm and secure the handline. Handline may be secured to pole or alley, but the beckett must be used. Journeyman #1 will then replace the disconnect. Once the material bucket reaches the ground and the groundman is ready,

Journeyman #1 will give a verbal warning then send the handline down to the groundman and then descend to the ground.

Step 3: Journeyman #2 will not start climbing until Journeyman #1 has both feet on the ground and is clear of the pole. Journeyman #2 will ascend the pole to the alley arm and secure the handline. The handline may be secured to pole or alley arm, but becket must be used.

Journeyman #2 must transfer his primary fall restraint above the arm before attempting to reach the pin and insulator. In addition the climber must keep on gaff in the pole unless he is utilizing the provided step on the brace. Journeyman #2 will then replace the steel pin and insulator from the end of the alley arm. Once the material bucket reaches the ground and the groundman is ready, Journeyman #1 will give a verbal warning then send the handline down to the groundman and then descend to the ground.

Step 4: Once Journeyman #2 is on the ground safely out of the way and a new fuse link has been installed in the barrel, (the groundman will not pick up the telescopic stick until Journeyman #2 is on the ground and safely out of the way) the groundman will use a telescopic stick to reinstall the barrel into the disconnect and give the verbal warning "coming hot" before closing the fuse barrel by putting the hot stick attachment in the ring of the barrel. The extendo stick will be fully retracted and placed back on tarp

2023 MYSTERY EVENT 2 – 12KV TRANSFORMER CHANGE (Journeyman)

TLRA Master Judge-	Clint King	Frontline Power
TLRA Advisory Committee-	Brian Mills	CPS Energy
TLRA Advisory Committee-	AJ Mann	Pedernales EC
TLRA Advisory Committee-	Mike Weltzheimer	Farmers EC
Chief Judge-	Travis Sasko	Pedernales EC
Assistant Chief Judge-	Ryan Voges	New Braunfels Utilities
Tailboard-	Needed	
Tailboard-	Needed	

Event Summary: The purpose of this event is to safely replace a bad transformer on a two-phase energized 12kV circuit pole with a secondary riser on standoff brackets. A minimum of class II gloves will be worn ground to ground.

Event Parameters: The 40' pole is framed with a cross arm, lighter transformer, and conduit secondary riser. All the below references are facing the pole and are referenced in the picture. The 8' cross arm is located 18" from the top of the pole with a cutout (ABB 15kV) mounted 4" inches from the end of the arm on the right side. The neutral is 90" from the top of the pole on a single upset bolt. The transformer (Techline 10kVA 120/240v training transformer) is located on the right quarter 24" below the neutral. The 3" conduit (schedule 40 PVC) top bracket (Alumaform 52544-12) is located 100" below the neutral. The weather head is located 24" above the top bracket. The primary conductors are 1/0ACSR for the primary and neutral. The primary connections and grounds are made up with solid copper. The secondaries are 4/0 triplex with a 2/0 neutral.

Event Time: 15 Minutes

Drop Dead Time: 20 Minutes

Time Starts: At the judge's signal, after competitors are tooled up and the 5-minute question/answer session is over. Bags will be unloaded, everything on tarp except handline.

Time Stops: When both climbers are on the ground, unbuckled from pole, and all material is broken down and on the tarp. A team member will notify the judge to stop the time. Bags will be unloaded and everything on tarp including handline. After time stops teams will return tarp to condition found in.

Equipment Required: Climbing Equipment, Necessary Hand Tools, PPE, Hand Line, and Bags, Extendo Stick, Shotgun Stick, Pole Mounted Gin, Block and Tackle with a minimum of four parted line or 2-2 blocks, and a Transformer Sling, and Tag Line.

Equipment Supplied: 2-Line Guards, 2-Clothespins, Split Blanket

Material supplied: None

Step 1: Groundman will open cutout door and lower to ground. Once the door is on tarp team can proceed.

Step 2: First Lineman ascends pole and hangs hand line. Once the handline is secured, the second Lineman will then ascend the pole. Both Lineman will then cover the neutral with

conductor cover, blanket, and blanket pins. Any incidental contact with the uncovered neutral will be a deduct.

Step 3: Team will then remove hi-side with a shotgun stick, then climbers can remove high side of transformer from the cutout as well as remove the secondary riser from the transformer.

Step 4: Install pole gin and two block and lower transformer.

Step 5: Once transformer is on the ground the groundman will remove the high side jumper from the H1, brush all connections and re-install high side jumper to H1.

Step 6: Raise transformer back up and land it on the pole then re-installs all connections, in proper order with standard work practices.

Step 7: Once all material is lowered to the ground both climbers will remove neutral cover and lower to the ground.

Step 8: First climber descends and unbuckles calling in the clear, second climber will lower handline calling headache.

Step 9: Once both climbers are down and unbuckled the groundman will land the cutout door and close, once the extendo is fully collapsed and on the tarp, team will call time.

2023 MYSTERY EVENT 1- INSULATOR CHANGE w/PREFORM TIE (Apprentice)

TLRA Master Judge-	Mark Busby	Bandera EC
TLRA Advisory Committee	Jon Bender	Greenville UES
TLRA Advisory Committee-	Cody Jennings	Titan Utility Services
Chief Judge-	Ted Gebhart	United Cooperative Services
Assistant Chief Judge-	Jorge Romo	Lubbock Power & Light
Tailboard-	Needed	
Tailboard-	Needed	

Event Summary:

Event is framed with a single support 2 phase on cross arm tangent (VB1). The cutout and arrester are mounted on the arm with separate L brackets. One phase is on a saddle pin tied in with aluminum tie wire, the other phase is on a cross arm pin tied in with preform, 40-5 pole. There are three 5/8th holes drilled in the pole. These holes do not have bolts in them. The Neutral will be 54 inches below the cross arm and a messenger cable is 82 inches below the neutral. (Note the pictures show 4ft spacing on the neutral and arm. This will be changed before the event) **The equipment installed on the pole during build day, represented by photos is subject to change!**

Event Time: 10 minutes

Drop Dead Time: 15 minutes

Note: Contestants will be required to tear event site back down for the next contestant. Judging will continue until the contestant leaves the event site.

Equipment required: Climbing gear, necessary hand tools (Pliers, Crescent Wrench, Speed Wrench(s) for 9/16, 5/8, 3/4, Hammer, Screwdriver, Conductor Brush, etc.), all required PPE, including hardhat, safety glasses, work gloves (with gauntlet), work boots and a long sleeve shirt. Hand line and material bags/ Bucket. **Tag line will not be allowed in place of a hand line.**

Note: Depending on the process a contestant uses, the amount of equipment will vary.

Change out pin insulator using a preformed tie. The contestant will climb pole with hand line. Un-tie the pin insulator on the side of the arm with the cut out and arrester. Then lower pin to the ground (you may use a hand line bag/bucket). Then raise back up and install. Tie in using a new tie (provide) The rubber sleeve will not be used during the rodeo. Once tie has been complete contestant will climb down. Roll up hand line to complete the event. Time will stop after the contestant has completed all tasks and told the judge to stop time.

2023 MYSTERY EVENT 2 – 3 PHASE TRANSFORMER BANK (Apprentice)

TLRA Master Judge-	Mark Busby	Bandera EC
TLRA Advisory Committee-	BJ Williams	HILCO
TLRA Advisory Committee-	Doug Balzer	Retired AE/Giddings
Chief Judge-	Jerry Prestridge	Lubbock Power and Light
Assistant Chief Judge-	Ron Dugger	Centerpoint Energy
Tailboard- Needed		
Tailboard- Needed		

Event Summary:

Properly wire 3 phase pole mounted transformer bank (standing on ground) as directed, and check voltage.) **The equipment installed on the pole during build day, represented by photos is subject to change! No photos or diagrams may be used during event.**

Event Time: 15 minutes

Drop Dead Time: 20 minutes

Note: Contestants will be required to tear event site back down for the next contestant. Judging will continue until the contestant leaves the event site.

Equipment required: Hand tools, voltmeter, wire brush, skinning knife

Must be in line ready to go when number is called.

PPE must be worn and used.

Gloves must be worn when making all connections (leather or rubber gloves)

Rubber Gloves must be used when checking voltage (Bring a voltmeter)

No placing tools on transformer, mouth or in pockets, must be in tool bucket or pouch, can wear your climbing belt if you would like.

Must brush wire and simulate inhibitor.

All connections must be tightened with a wrench.

Proper use of tools. (Bring your own hand tools)

Call time when last connection is made and you are ready to check voltage. (Must tell judge what voltage should be at each check point.)

Checking voltage and stripping bank will be off the clock but still being judged.

No battery-operated tools.