

Skills Ontario 2026 - Powerline Technician - Task Break Down

Outdoor Events				
3 points will be deducted from any event score for a dropped tool or materials				
Contest Task	Guideline for Start Point	What Competitor(s) are Competing		
Tailboard	Competitor to complete tailboard for all work.	Tailboard shall be completed and consider all major risks and barriers for the task.		Completed as Team
Pole Top Rescue	Participant to begin with gear off, time starts on judges mark. Time stops when participant returns to the ground and in position to perform CPR.	Participant to call out to injured worker, and then relay appropriate mayday protocol to judge prior to gearing up to climb and perform the rescue. Rescue will be performed with a sling and caribeaner set up, proper execution of a munter hitch will be judged.	Individual Event	Timed Event
Dead End Insulator Change	Time starts when participant places first spur into pole. Time stops when all equipment has been returned to the ground.	Using a handline (from belt), participant brings up, and installs, sling, grip and hoist, removes "damaged" insulator and lowers it to the ground. Team member 2 removes insulator from handline and replaces with new dead end insulator. Team member 1 hoists dead end insulator back up, installs insulator, removes all tools and lowers them to the ground.	Individual event – with helper	Timed Event
Equipotential Grounding a 3 phase configuration	Time starts when participant has first spur in the pole. Time stops when participant has reached the ground with both feet flat on the ground.	Participant to climb into position while wearing Class 2 gloves, install cluster bar, and all grounds in the proper sequence as per IHSA training materials.	Individual event – with helper	Timed Event
Install back to back 9 " stand off bracket and insulators	Time starts on judges mark. Time ends when last piece of equipment reaches the ground.	Participants climb into position, team member 2 ties stand off with insulator on hand line. Team member 1 raises the brackets into position and installs bolts. Remove bolts and lower bracket and insulator to ground on finger line.	Individual event – with helper	Timed Event
Replace Defective Crossarm	Time starts when participant has first spur in the pole. Time stops when participant has reached the ground with both feet flat on the ground.	The participant will remove currently installed crossarm, and with proper knots and technique, lower "damaged arm". Team member 2 replaces crossarm on handline, Participant pulls up cross arm and install the arm on through bolt, drive in the brace iron lag. Task performed using handline from belt. +Running Handline will <u>not</u> be used+	Individual event – with helper	Timed Event
Safety	Points deducted for any unsafe act during all challenges. 1 point for minor infraction, 5 points for not using safety equipment correctly.			

Indoor Events				
3 points will be deducted from any event score for a dropped tool or materials				
Contest Task	Guideline for Start Point	What Competitor(s) are Competing		
Tailboard	Competitor to complete tailboard for all work.	Tailboard shall be completed and consider all major risks and barriers for the task.		Completed as Team
U/G secondary Cable Fault Repair - Hand Taped Splice	Hand Taped Splice will be given 10 minutes upon completion to properly amalgamate tape layers, and then will be sliced open for inspection by judges. +Diagram will be provided with measurements for reference+	Follow level 1 IHSA task, full points for proper tape amalgamation, and properly following cut backs and spacing.	Individual Event	Accuracy Event
Secondary riser connection with meterbase connections	Time starts on judges mark and stops when Team member 2 has both feet on the ground. Proper sequencing will be part of the final judging in this event. (i.e. not "livening up" equipment prematurely).	Team member 1 to prep and install underground secondaries in a standard S type meterbase. Team member 2 to climb into position while wearing Class 0 gloves, making connections from secondary riser to spun bus with ampacts, and installing appropriate covers.	Team Event	Timed Event
Transformer raise and install with rope blocks (oil removed, replaced with weights)	Time starts when participant has first spur in pole. Time stops when fuse barrel is closed.	Team member 1 will climb into position, setup a davit arm and rope blocks at the appropriate position, measure and install the appropriate length and diameter bolts before team member 2 uses the rope blocks to pull transformer up the pole and into place. Team member 1 installs transformer on pole, breaks down all hardware used for hoisting. Install a switch bracket, switch, lightning arrester, and make all connections to transformer. Once completed, Class 2 rubber gloves to be sent up to Team member 1 prior to installing hotline clamp onto stirrup, and closing fuse barrel. +Team member 2 breaks down the site to bare pole+	Team Event	Timed Event
Utility Work Protection Code	30 Minutes to complete PC10A	Complete 10A using level 2 IHSA apprenticeship example, use the same marking scheme	Individual Event	Time Limited Event
Safety	Points deducted for any unsafe act during all challenges. 1 point for minor infraction, 5 points for not using safety equipment correctly.			