



Contest Description

Edmonton Expo Centre, Edmonton

May 6 & 7, 2026

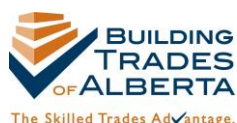
EVENT: Electrical Installation	LEVEL: Secondary																												
WORLDSKILLS TRADE #: 18	LOCATION: Hall A, Edmonton Expo Centre, Edmonton																												
DURATION: 11 hrs (Two Days)	REGIONALIZED: No																												
COMPETITION SCHEDULE: May 6: <table border="1"> <tr><td>ORIENTATION</td><td>7:30AM-8:00AM</td></tr> <tr><td>COMPETITION</td><td>8:00AM-9:45AM</td></tr> <tr><td>BREAK</td><td>9:45AM-10:00AM</td></tr> <tr><td>COMPETITION</td><td>10:00AM-11:30AM</td></tr> <tr><td>LUNCH</td><td>11:30AM-12:30PM</td></tr> <tr><td>COMPETITION</td><td>12:30PM-2:00PM</td></tr> <tr><td>BREAK</td><td>2:00PM-2:15PM</td></tr> <tr><td>COMPETITION</td><td>2:15PM-3:30PM</td></tr> </table> May 7: <table border="1"> <tr><td>ORIENTATION</td><td>7:30AM-7:45AM</td></tr> <tr><td>COMPETITION</td><td>7:45 AM-9:45AM</td></tr> <tr><td>BREAK</td><td>9:45AM-10:00AM</td></tr> <tr><td>COMPETITION</td><td>10:00AM-11:30AM</td></tr> <tr><td>LUNCH</td><td>11:30AM-12:30PM</td></tr> <tr><td>COMPETITION</td><td>12:30PM-2:00PM</td></tr> </table> The times above are approximate and may change as required.		ORIENTATION	7:30AM-8:00AM	COMPETITION	8:00AM-9:45AM	BREAK	9:45AM-10:00AM	COMPETITION	10:00AM-11:30AM	LUNCH	11:30AM-12:30PM	COMPETITION	12:30PM-2:00PM	BREAK	2:00PM-2:15PM	COMPETITION	2:15PM-3:30PM	ORIENTATION	7:30AM-7:45AM	COMPETITION	7:45 AM-9:45AM	BREAK	9:45AM-10:00AM	COMPETITION	10:00AM-11:30AM	LUNCH	11:30AM-12:30PM	COMPETITION	12:30PM-2:00PM
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Please Note: This document is subject to change as competition information is updated. Competitors are responsible for staying up to date with the most recent information. Check the footer for last updated date. Changes will be highlighted in **yellow**.

CONTEST INTRODUCTION

Assess the competitor's skills and abilities performing various installation tasks in the field of residential, commercial and industrial electrical wiring.

Given a supply of electrical equipment, competitors will build a complete electrical system according to supplied drawings and specifications incorporating a variety of wiring types and methods that may include non-metallic sheathed cable (NMSC), armored cable (AC90), EMT and PVC. Competitors will demonstrate their ability to do work in accordance with drawings and specifications, while showing general understanding of basic electrical circuits and knowledge of the 2024 Canadian Electrical Code.





SKILLS AND KNOWLEDGE TO BE TESTED:

- Interpretation and use of basic electrical design & diagrams of a physical facility.
- Wiring (AC90 & NMSC) a sub panel and various branch circuits using standard trade practices, complying with relevant sections of the 2024 CE Code. Wiring will be fished/pulled to various circuits.
- Basic tubing and conduit bending (EMT & PVC) including offsets, saddles, 90° bends and strapping.
- Basic relay operation.

PROJECT DESCRIPTION

Competitors will work in a 3-sided booth installing materials as described in the Contest Introduction. The project diagram will be provided on site.

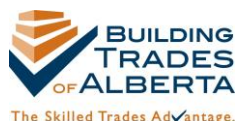
EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:

CSA Approved Hard Hat	Wire Strippers	Magnetic Torpedo Level	Water Pump Pliers
CSA Approved Steel Toed Footwear	Tri-Tap	Linesman Pliers	Side Cutters
CSA Approved Safety Glasses or Goggles	Measuring Tape (metric)	Robertson Screwdrivers	Claw hammer
Gloves	Flat Screwdrivers	Electricians' Knife (no snap off blades)	Hacksaw and Blades
Pencil	Phillips Screwdrivers	Drywall Saw	Long Nose Pliers

Equipment and Materials Supplied by the Committee:

Cordless Drills (Competitors must use drills provided by the committee)	Ladders	EMT benders
2024 CE Code Book	CSA Approved Hearing Protection	3/4" auger bit
#2 Robertson driver bit	Digital Multimeter	Control Screwdriver
Non-programmable calculator		



2026 Provincial Skills Canada Competition

Competition Specific Rules

The following Competition Specific rules along with SCA's overall Policies and Procedures provide specific details in competition areas that may vary from one another. Any additional contest rules will be reviewed during the Competitor Orientation.

Topic/Task	Contest Specific Rule
Use of Technology	Competitors are not allowed laptops, tablets, cameras, cell phones, ear buds, calculators or other personal electronics in the competition area unless specified by the committee for certain tasks.
Use of Artificial Intelligence (AI)	Competitors cannot use AI to develop/generate any of the submitted work for any aspects of the competition.

JUDGING CRITERIA

Operation	30%
Equipment Installation	15%
Measurements	10%
Cable Installation	10%
Tubing and Conduit Installation	10%
Connection of Conductors to Components and Equipment	15%
Compliance with Health and Safety Regulations	10%
Overall Total	100%

TIE BREAKING PROCESS

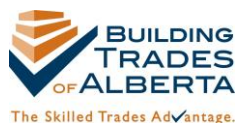
In the event of a tie between two or more competitors, the competitor with the highest mark in Operation will be declared the overall winner. If still tied, the competitor with the highest mark in Health, Safety and Housekeeping will be declared the overall winner. And, if still tied, the competitor who took the least amount of time to complete the project will be declared the overall winner.

CLOTHING REQUIREMENT

Appropriate work clothing must be worn to compete. All clothing must be neat, clean and free of rips and tears. Casual wear such as shorts will not be permitted. No loose-fitting clothes or jewelry.

SAFETY

The health, safety, and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta and shall not be sacrificed





for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

RELATED CAREER AND TECHNOLOGY STUDIES COURSES

ELT 1010 Electro-Assembly	ELT 1080 Control Systems 1	ELT2030: Branch Circuit Wiring
ELT1030: Conversion & Distribution	ELT 1110 Security Systems 1	ELT2130: Magnetic Control Devices
ELT3030: Power Systems and Services	Electrical Code Simplified: Residential Wiring – Alberta	ELT3400: 1 st Period Electrical Apprenticeship Modules

Descriptions of the modules listed above are located at the following website:

<https://education.alberta.ca/media/160536/elt.pdf>

ADDITIONAL INFORMATION

Skillz & Thrillz Podcast

Check out our podcast – Skillz & Thrillz: Alberta’s Trade & Tech Youth Podcast. Our talented alumni share tips and tricks on how to succeed in competitions and your career! Their insights can help you prepare for your Skills journey, and who knows, you might just be a future guest!

<https://skillsalberta.com/student-resources/skillz-thrillz-albertas-trade-tech-youth-podcast/>

Skills Canada Alberta Regional and Provincial Rules and Regulations

[Regional and Provincial Rules and Regulations](#)

Project Change at the Competition

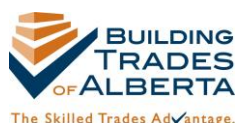
Where a Test Project has been circulated to competitors in advance, the PTC can change the project up to a maximum of 30% of the work content for the competition.

Competitor Registration

Registration for the Provincial Skills Canada Competition (PSCC) will open online on January 14, 2026 @ 3:30 PM. Please refer to this competitions event page for additional registration and competition information: <https://skillsalberta.com/competition/>

Lunch

Lunch for accredited competitors will be provided by Skills Canada Alberta.





Parking & Venue Maps

Parking is FREE for all attendees.

Attendees **MUST** register for FREE parking by clicking the below link. Attendees can pre-register their vehicle at anytime prior to the PSCC or register onsite at the PSCC.

<https://www.offstreet.io/events/CBLHM7U1>

<http://edmontonexpocentre.com/attend/parking/>

Opening Ceremonies / Competitor Onsite Registration

Opening Ceremonies for the PSCC will take place on Tuesday May 5, 2026, at 6:00 PM in Hall D of the Edmonton EXPO Centre. Admission is free, and everyone is welcome to attend. It is important to note that competitor registration will open immediately following the Opening Ceremonies.

Awards Ceremony

The Awards Ceremony will take place on Thursday May 7, 2026, at 6:30 PM in Hall D of the Edmonton EXPO Centre. Admission is free and everyone is welcome to attend. The Awards Ceremony will be shown live at <http://skillsalberta.com/>

Team Alberta Information

Team Alberta will be selected at the PSCC Awards Ceremony. Gold medalists will then be eligible to participate at the Skills Canada National Competition (SCNC) on May 27- May 30, 2026, in Toronto, Ont. It is recommended that competitors review and become familiar with the SCNC contest description and project at <https://www.skillscompetencescanada.com/en/event/skills-canada-national-competition-2026/>

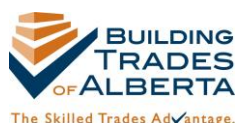
During the PSCC Awards Ceremony on Thursday May 7, 2026, Gold medalists will be given their Team Alberta information package and will confirm their participation in the SCNC. Students must be present at the Awards Ceremony to claim their position on Team Alberta. If the Gold medalist is not able to attend SCNC, the next highest-ranking individual will be asked to participate. If a student is not able to attend the Awards Ceremony an email confirming the student's interest in Team Alberta participation must be emailed to javierad@skillsalberta.com prior to the start of competition on May 6, 2026.

Please prepare your students in advance to accept a position on Team Alberta and review how your school will support their participation.

Please see this link for additional Team Alberta information: <https://skillsalberta.com/team-alberta/>

Questions?

Please contact Mike Sury MikeS@SkillsAlberta.com





PROVINCIAL TECHNICAL COMMITTEE (PTC) MEMBERS

Chuck Zylla – NAIT	Dana Alisat – Skyline Electric – Legacy Competitor
Ronald Stocks – Legacy Volunteer	David Bates - Lakeland College
Michael Cope – Apprenticeship & Industry Training	David Peard – SAIT
Elaine Cope – Apprenticeship & Industry Training	Jordan Shapka – SAIT
Tim Froehler – Red Deer Polytechnic	Shane Hanson – EECOL
Tyler Wasilenko – Red Deer Polytechnic	Conor Delbello – Lethbridge Polytechnic
Dawn Ohama – Keyano College	Tristen Hatto – Industry Member – Alumni
Steve Liedtke – Pembina Pipeline Corporation – Legacy Competitor	Bryan Roberts – NAIT

