

## Contest Description

Edmonton Expo Centre, Edmonton

May 6 & 7, 2026

<b>EVENT:</b> Heavy Vehicle Technology	<b>LEVEL:</b> Post-Secondary																								
<b>WORLDSKILLS TRADE #:</b> 49	<b>LOCATION:</b> Hall C, Edmonton Expo Centre, Edmonton																								
<b>DURATION:</b> 12 Hours (Two Days)																									
<b>COMPETITION SCHEDULE:</b> <div> <div> <b>May 6:</b> <table border="1"> <tr><td>ORIENTATION</td><td>8:00 AM-8:30 AM</td></tr> <tr><td>COMPETITION (1 of 6)</td><td>8:30 AM-10:30 AM</td></tr> <tr><td>BREAK</td><td>10:30 AM-11:00 AM</td></tr> <tr><td>COMPETITION (2 of 6)</td><td>11:00 AM-1:00 PM</td></tr> <tr><td>LUNCH</td><td>1:00 PM-2:15 PM</td></tr> <tr><td>COMPETITION (3 of 6)</td><td>2:15 PM-4:15 PM</td></tr> </table> </div> <div> <b>May 7:</b> <table border="1"> <tr><td>COMPETITION (4 of 6)</td><td>8:30 AM-10:30 AM</td></tr> <tr><td>BREAK</td><td>10:30 AM-11:00 AM</td></tr> <tr><td>COMPETITION (5 of 6)</td><td>11:00 AM-1:00 PM</td></tr> <tr><td>LUNCH</td><td>1:00 PM-2:15 PM</td></tr> <tr><td>COMPETITION (6 of 6)</td><td>2:15 PM-4:15 PM</td></tr> <tr><td>DEBRIEFING / PHOTOS</td><td>4:15 PM-5:15 PM</td></tr> </table> </div> </div>		ORIENTATION	8:00 AM-8:30 AM	COMPETITION (1 of 6)	8:30 AM-10:30 AM	BREAK	10:30 AM-11:00 AM	COMPETITION (2 of 6)	11:00 AM-1:00 PM	LUNCH	1:00 PM-2:15 PM	COMPETITION (3 of 6)	2:15 PM-4:15 PM	COMPETITION (4 of 6)	8:30 AM-10:30 AM	BREAK	10:30 AM-11:00 AM	COMPETITION (5 of 6)	11:00 AM-1:00 PM	LUNCH	1:00 PM-2:15 PM	COMPETITION (6 of 6)	2:15 PM-4:15 PM	DEBRIEFING / PHOTOS	4:15 PM-5:15 PM
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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

Provide competitors an opportunity to display their skills, knowledge, and professionalism as they safely and efficiently maintain or diagnose and repair any part of the power train, including its control systems, in mobile or stationary industrial equipment.

## SKILLS AND KNOWLEDGE TO BE TESTED

Use hand, power, and diagnostic tools to safely and competently carry out maintenance or diagnosis and repair according to manufacturer's specifications. Read and understand work orders, prepare estimates, and interpret technical service information.

## PROJECT DESCRIPTION

Competitors will complete practical tasks in the following categories relating to on-road, off-road, mobile, and stationary heavy equipment. The tasks are designed to evaluate the competitor's ability to safely and efficiently maintain or diagnose and repair heavy equipment (on-road and off-road, mobile and stationary). Competitors have equal opportunity to

research, practice, and refine their knowledge and skill prior to the competition. Draft versions of the tasks will be posted online at a later date so competitors can review and train leading up to the Provincial Skills Canada Competition. Please refer back to this document for updates.

The actual tasks will not be disclosed to the competitors until the day of the Provincial Skills Canada Competition.

**Due to unforeseeable uncertainties, competition stations and time allocation are subject to change.**

Each 2-hour task is valued at 100 points:

- |                      |  |           |
|----------------------|--|-----------|
| 1. <b>100 points</b> | Hydraulic Systems                            | (2 hours) |
| 2. <b>100 points</b> | Engine Systems                               | (2 hours) |
| 3. <b>100 points</b> | Drive-Train Systems                          | (2 hours) |
| 4. <b>100 points</b> | Electrical Systems                           | (2 hours) |
| 5. <b>100 points</b> | Steering, Braking, and Undercarriage Systems | (2 hours) |
| 6. <b>100 points</b> | Workplace Practices                          | (2 hours) |

## EQUIPMENT & MATERIALS

### Equipment and Materials Competitors Must Supply:

- Shop coats (smocks) or coveralls (in good and clean condition)
- CSA Approved Footwear (Grade 1 protective toe)
- CSA Approved Hearing Protection
- CSA Approved Safety Glasses

### Equipment and Materials Supplied by the Committee:

**Due to unforeseeable uncertainties, competition material, suppliers, and equipment are subject to change.**

- |  |   |
|--|---|
| • Caterpillar equipment                        | • All required tools and diagnostic equipment     |
| • Caterpillar Electronic Technician (ET)       | • Multi-meters (Competitors may supply their own) |
| • Caterpillar Service Information System (SIS) | • Flashlights (Competitors may supply their own)  |
| • Detroit Diesel engines                       | • Computer accessible service information         |
| • Detroit Diesel Diagnostic Link software      | • Allison driveline software                      |
| • Freightliner trucks                          | • DE Connect, Dennis Eagle software               |
| • DTNA Connect Freightliner software           |   |
| • Dennis Eagle trucks                          |   |

## 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 <b>not allowed</b> 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 <b>cannot</b> use AI to develop/generate any of the submitted work for any aspects of the competition.

## JUDGING STANDARDS

The judging standards specify the knowledge, understanding, and specific skills that reinforce industry's best practices in technical and vocational performance. It reflects a shared global understanding of what the associated work roles represent for industry and business.

The following judging standards are weighted according to the task:

- 1) Use of safety equipment & safe and clean workspace
- 2) Use and interpretation of service manuals & schematic diagrams
- 3) Logical order of repair
- 4) Appropriate use of tools
- 5) Accurate measurement
- 6) Identification of faults, codes, or components
- 7) Maintenance or repair of components or systems
- 8) Communication of maintenance or repair process
- 9) Superior Workmanship

## TIE-BREAKING PROCEDURE

In the event of a tie, the competitor with the higher safety evaluation in the practical tasks will be awarded the higher ranking.

## 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 or act in an unsafe manner that can cause harm to themselves or others.



### **CLOTHING REQUIREMENT**

To participate, competitors must wear clean, rip-free work clothing that fits well--no loose-fitting clothing or casual wear such as shorts or open-toed shoes or sandals. Competitors must not wear jewelry (rings, bracelets, watches, necklaces, pins), ties, lanyards, ID badges, or anything attached to them or dangling from them that might get caught in a piece of moving equipment.

Mandatory:

- CSA-approved footwear (Grade 1 protective toe),
- CSA-approved hearing protection, and
- CSA-approved clear safety glasses.

### **ADDITIONAL INFORMATION**

#### **Skills Canada Alberta Regional and Provincial Rules and Regulations**

[Regional and Provincial Rules and Regulations](#)

#### **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/>

#### **Test 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.

#### **Lunch**

Lunch for 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



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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](mailto: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](mailto:MikeS@SkillsAlberta.com)

### COMMITTEE MEMBERS

1	Moe Tarrabain	Daimler Trucks	Edmonton
2	Ben Smith	Glover Trucks	Calgary
3	Morgan Garnett	Finning Canada	Edmonton
4	Gough Palmer	Finning Canada	Red Deer
5	Sean Proulx	Velocity Truck Centre	Edmonton
6	Nick McAllister	Velocity Truck Centre	Edmonton



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# 2026 Provincial Skills Canada Competition

7	Mike Hughes	SAIT Polytechnic	Calgary
8	Ryan Wenger	SAIT Polytechnic	Calgary
9	Chester Parisian	Keyano College	Fort McMurray
10	Peter Ling	Lloydminster	Lakeland College
11	Bill Petrosenko	Red Deer Polytechnic	Red Deer
12	Mike Schell	Olds College	Olds
13	Keon Clift	Medicine Hat College	Medicine Hat
14	Justin Romeril	Lethbridge College	Lethbridge
15	Walter Michel	Lethbridge College	Lethbridge
16	Joe Mulder		Edmonton
17	Bobby Haraba (Chair)	NAIT	Edmonton
18	Brandon Sukkau	Finning Canada	Edmonton
19	Aidan Brown	Grizzly Equipment Repair	Calgary