



Contest Description

Edmonton Expo Centre, Edmonton

May 6 & 7, 2026

EVENT: Robotics	LEVEL: Secondary																
WORLDSKILLS TRADE #: 23	LOCATION: Hall B, Edmonton Expo Centre, Edmonton																
DURATION: 16 hrs (Two Days)	REGIONALIZED: No																
COMPETITION SCHEDULE: May 6: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>ORIENTATION</td><td>8:00am – 9:30am</td></tr> <tr><td>COMPETITION</td><td>9:30am – 12:00pm</td></tr> <tr><td>LUNCH</td><td>12:00pm – 1:00pm</td></tr> <tr><td>COMPETITION</td><td>1:00pm – 4:00pm</td></tr> </table> May 7: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>ORIENTATION</td><td>8:00am – 9:30am</td></tr> <tr><td>COMPETITION</td><td>9:30am – 12:00pm</td></tr> <tr><td>LUNCH</td><td>12:00pm – 1:00pm</td></tr> <tr><td>COMPETITION</td><td>1:00pm – 4:00pm</td></tr> </table>		ORIENTATION	8:00am – 9:30am	COMPETITION	9:30am – 12:00pm	LUNCH	12:00pm – 1:00pm	COMPETITION	1:00pm – 4:00pm	ORIENTATION	8:00am – 9:30am	COMPETITION	9:30am – 12:00pm	LUNCH	12:00pm – 1:00pm	COMPETITION	1:00pm – 4:00pm
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The times above are approximate and may change as required. Team Size: <u>Two</u> Students maximum																	

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.

Purpose of the Challenge:

To create engineering projects to encourage individuals with different skill sets to form con-
operative teams to design, fabricate and operate a robot or multiple robots.

Skills and Knowledge to be Tested

The intent of the challenge is to have teams of students independently designing / fabricating /
operating robots capable of completing the competition tasks in competition with other student-
fabricated robots. Teams are not allowed to develop or implement strategies based on interfering
with their opponent's ability to complete the competition task set.

Tasks That may be Performed During the Contest

- A team will consist of two competitors
- Teams will participate in BOTH the Teleoperation and the Autonomous Competition
elements on BOTH Competition Days



List of documents produced and timeline for when competitors have access to the documents on the Skills Canada Alberta website:

Document	Date of Distribution
Contest Description and Project	November 2025
Court Specifications	November 2025
Build On-site Project	Competition Day 1
Competition Questions Deadline	April 2026

TOOLS, EQUIPMENT, MATERIALS

Tools, Equipment, Materials Supplied by Skills Canada Alberta

- Exclusive Use of playing fields for each team's game and evaluated robot experiences
- One worktable with access to a 120 V Power outlet
- CSA Approved Safety Glasses

Tools, Equipment, Materials Supplied by the Competitor

- Robots and Robot accessories (including batteries, battery charger, spare parts)
- Various tools required to modify and repair robots on site
- 25-foot multi-outlet extension cord/power bar
- Wiring diagram
- Safety Data Sheet for Batteries
- Easily accessible fuses
- Easily accessible kill switch(es)
- Laptop(s)

Toolboxes Guidelines

- Toolboxes brought by Competitors will be restricted to the following maximum specifications.
 - The Competitor toolbox must not exceed (64ft³) 1.81 meters³ in volume. It can be multiple toolboxes, but the total of all toolboxes must not exceed the maximum volume indicated. There is no exception to this rule.
 - If the Competitor toolbox is larger than what is indicated, the Competitor with the guidance of the PTC, will need to remove items from the toolbox and those items will not be used during the competition. All tools must fit inside one or more toolboxes. Tools outside of a toolbox will not be permitted.



List of Required Personal Protective Equipment Provided by the Competitor

- Ear Plugs
- Closed toe shoes

Note: Contestants who do not have the required protective gear will not be allowed to participate in the competition.

ASSESSMENT

Point breakdown

Topic/Task	/100
Build On-Site Task	30
Pre-Built Robot Task	68
Safety Mark	2

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	Competition Specific Rules
Pre-built Robot Task	• Competitors will compete in the Pre-built Robot task during the 2 days of competition. This is described in detail in the project document.
Build On-site Task	• Competitors will compete in the On-site task during the 2 days of competition. The details of this task will be released at the beginning of the competition. • This task will make use of the same autonomous robot as the “Pre-built Robot Task”.
Safety Mark	• Safe operation and safe workspace practices.
Internet	• Competitors are not allowed Internet, cell or data access during the competition.
Use of Technology	• Competitors are not to be in possession of their phones during the competition. • Use of technology is limited to a laptop (with no internet or cellular connection).



Use of Artificial Intelligence (AI)	Competitors cannot make use of AI or any surrounding tools during the competition.
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Ties

Ties in individual games are allowed. No ties in overall mark total are allowed.

If a tie in overall marks occurs, the tie will be broken by examining the following individual mark categories in this order:

- Tiebreaker #1: Comparison of the tied team overall points scored totals in all tournament games each team played. If the teams remain tied, then:
- Tiebreaker #2: Comparison of each team total marks awarded in the “On-Site Robot Section.”
- Tiebreaker #3: Comparison of the tied team total marks awarded based on their tournament play individual games (total # of individual game losses = 0 marks / total # of individual game ties = 1 mark / total # of individual game wins = 2 marks).

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 Members

Mark Shaw-Chair	Phoebe Arcilla	Andrew Nguyen
Michael Schieren	Daniel Panquin	Jim King
John Heslinga	Jonathan Wetzd	