

2019 PROVINCIAL SKILLS CANADA COMPETITION



Contest Description

Edmonton Expo Centre, Edmonton

May 8 & May 9, 2019

EVENT: Workplace Safety	LEVEL: Secondary
WORLDSKILLS TRADE #: 92	LOCATION: HALL B, Edmonton Expo Centre, Edmonton
EQUIPMENT SET UP AND TESTING: MAY 7: 7:30PM – 8:30PM PLEASE SEE THE "ADDITIONAL INFORMATION" SECTION AT THE END OF THIS DOCUMENT FOR MORE INFO.	REGIONALIZED: No
COMPETITION SCHEDULE: Orientation: 8:00 am Competition: 9:00 am	

IMPORTANT: Competitors are required to bring your own device (BYOD) for the competition. If competitors are bringing a computer or laptop from their school (instead of their personal computer), please ensure that the computer is unlocked so documents and possibly software can be saved/installed to the hard drive and technology support can be provided onsite. This may require access to CMOS settings.

Please contact Gord King with any questions or concerns: gordk@skillsalberta.com

CONTEST INTRODUCTION

Purpose of Challenge

To assess competitors' understanding of Occupational Health and Safety (OHS) principles, and the ability to perform OHS-related duties including:

- Identifying hazards and recommending corrective action
- Displaying and understanding of hazard control
- Effectively communicating OHS information

Duration of Contest

- 2-day competition (Each day to start at 8:30 am and end by 5 pm.)
- 3 activities over two days

The three activities are:

1. Hazard Identification (inspecting a mock workplace)
2. Hazard Control Search
3. OHS Presentation (preparing and delivering an OHS presentation to judges)

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At the competition orientation, each competitor will receive a schedule, indicating the time they are to do each activity over the one day competition. Competitors are expected to follow the schedule and arrive on time for each of their three activities.

Failure by a competitor to attend the competition orientation or to arrive at their scheduled time for activities will result in a score deduction of 5 marks for each infraction.

SKILLS AND KNOWLEDGE TO BE TESTED

- Core knowledge of OHS principles
- Ability to identify and assess workplace hazards and to recommend corrective action
- Ability to recognize and discuss hazard controls
- Ability to effectively communicate OHS information

PROJECT DESCRIPTION

Tasks that will be performed during the contest:

Hazard Identification (1 Hr Worth 36%)

Part 1: Each competitor will inspect a mock workplace for hazards. The hazards may include the following:

Hazard	Example
Physical	Temperature, indoor air quality, mould, noise, radiation
Chemicals	Chemicals, WHMIS/GHS/SDS, leaking container, hazardous materials spill
Health	Biological, diseases, disorders, injuries, pandemics
Ergonomic	Lifting, pushing/pulling, lighting, office, sitting/standing, slips/trips/fall, shift work, tools, musculoskeletal disorders. Awkward postures, repetitive motions
Psychosocial	Stress, violence/bullying
Safety	Driving, electrical, ladders, garages, ladders, machinery, material handling, tools, forklifts, platforms
Workplace	Confined spaces, indoor air quality, lasers, scents, temperature, ventilation, violence, weather, working alone

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Each competitor will complete a written hazard assessment of the mock workplace identifying **multiple hazards**, and for each hazard identify the following:

1. What is the hazard?
2. What type of hazard (classification e.g. Ergonomic)
3. What could happen?
4. What needs to be done to control the hazard?

Note: For more information, see Details Document on the Skills Canada Alberta website.

Hazard Control Search (3 hours' worth 32%)

Observing people at work and identifying hazards is one skill used by the Health and Safety professional to assist in reducing / eliminating injury / illness in the workplace.

For this activity competitors will observe selected competitions and find hazard controls that have been implemented for that competition.

Competitors will be escorted by a judge and observe 4 competitions, predetermined by the Provincial Technical Committee (PTC). The competitions selected will be revealed at the time of the activity orientation.

This activity has two components:

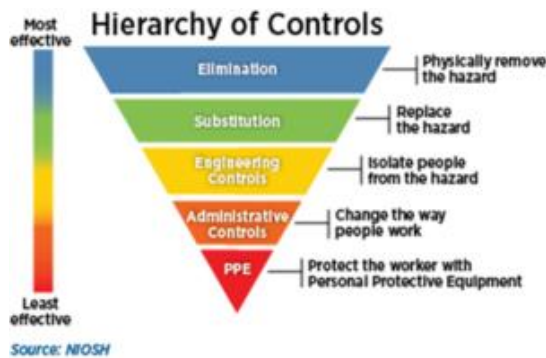
1. Observation of four competitions
2. Completion of the Hazard Control worksheets

Competitors will observe the competition and collect information which they will use to provide written answers to a series of questions found on the Hazard Control worksheet.

Questions may cover such areas as:

- A description of the control
- The Type of controls observed
(Elimination/Substitution, Engineering control, Administrative control, or PPE)

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Elimination	Move loose stock, empty pallets or garbage from the operating area, good housekeeping, ergonomic hazard eliminated by using a forklift
Substitution	Safer route to travel on
Engineering	Ventilation, guards
Administrative	Training, posting signage, policies and procedures
Personal Protective Equipment (PPE)	Safety boots, dust masks, coveralls, ear plugs

- The Hazard this control is mitigating

Competitors will have 3 hours to complete this activity. (2.5 hours for data collection while touring the 4 competition sites and 30 minutes to compile their findings into a booklet provided by the committee).

Competitors will be escorted in groups by a PTC member to each competition site; however, competitors will complete this activity individually.

When collecting information on hazard control, competitors will be expected to use a combination of observing and asking questions, always respectful of the fact that a competition is going on, and that distractions to the contest competitors will not be permitted.

Note: Competitors are not allowed into competition areas

Note: For more information, see Details Document on the Skills Canada Alberta website.

OHS Research/Presentation (2.5 hrs worth 32%)

Each competitor will deliver a 5 min OHS presentation, researched and prepared onsite, as part of the competition.

The presentation topics, assigned on the day of competition, will be done by a random draw from a list of safety topics provided. Competitors will be judged on how well they organize and communicate the key points of the topic assigned and will be scored on both content and delivery. Competitors are asked to use visual aids (posters, pictures, diagrams) or a power point presentation prepared onsite.

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This activity has two parts:

1. 2.5 hours (150 consecutive minutes) to select the hazard, research and develop the tool box talk.
2. 5 min allowed for presentations of the completed tool box talk information.

Note:

- Competitors are required to bring their own device and software for the 2018 competition. Each competitor can choose their own device and software so their workflow and process are to what they are familiar with.
- If competitors are bringing a computer or laptop from their school (instead of their personal computer), please ensure that the computer is unlocked so documents and possibly software can be saved/installed to the hard drive and technology support can be provided onsite. This may require access to CMOS settings.
- Competitors will develop a five-minute presentation around their topic, using a format of their choice:
 - electronic (Power Point, Prezi, etc.)
 - spoken, with hand-written/drawn visual aids
 - a combination of electronic and hand-written/drawn visuals
- At the Skills Canada National Competition competitors will not be allowed to use visual aids (posters, pictures, diagrams) or a power point presentation prepared onsite. This portion of the event is designed to simulate a “Tool Box” talk and competitors are required to develop a tool box talk using the template that will be provided, prepare a 5-minute oral presentation on the tool box talk and then present the tool box talk to a panel of judges so that it simulates a supervisor or OHS professional conducting a tool box talk to a group of employees.
- For more information, see Details Document on the Skills Canada Alberta website.

To prepare for this part of the competition, competitors may wish to review OHS websites, including, but not limited to the following:

- Canadian Centre for Occupational Health and Safety www.ccohs.ca
- Canadian Society of Safety Engineering www.ccse.org
- Websites of provincial/territorial regulatory bodies
- Young worker provincial/territorial websites
- Websites of provincial/territorial OHS associations and organizations

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EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:

Laptop Computer with desired software to use for the OHS Research/Presentation	All materials required for the OHS presentation.
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Required Clothing Provided by the Competitor:

Long pants covering the ankle	Provincial Competition t-shirt
Closed toed shoes for the OHS presentation and OHS research activities	

Equipment and Materials Supplied by the Committee:

Personal Protection Equipment, as needed for the competition.	Clip board and pens for the Hazard Assessment
Display easel for OHS presentation	USB sticks
Art Supplies	Printer

JUDGING CRITERIA

Hazard Identification	36%
Hazard Control Search	32%
OHS Presentation	32%
Overall Total	100%

TIE BREAKING PROCESS

In the event of a tie, the competitor with the highest score in the Hazard Identification will be declared the winner. If a second tie occurs, the competitor with the highest score in the OHS Presentation will be declared the winner.

CLOTHING REQUIREMENT

It is important that competitors present a professional image and appearance. Appropriate work clothing must be worn to compete. All clothing must be neat and clean and free of rips and tears. Casual wear such as shorts will not be permitted. No loose-fitting clothes.

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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.

ADDITIONAL INFORMATION

Skills Canada Alberta Regional and Provincial Rules and Regulations

[2018-19 Regional and Provincial Rules and Regulations](#)

Competitor Registration

Registration for Provincial Skills Canada Competition (PSCC) will open online at <https://portal.skillsalberta.com/> on February 13, 2019 @ 8:30 AM. Please refer to the following links for additional registration information: [Tips for High School Teachers](#) and [Road to Provincials](#)

High School Competitor Information is [available here](#).

Lunch

Lunch for accredited competitors will be provided by Skills Canada Alberta. Teacher accreditation can be purchased online at: <https://skillsalberta.com/hospitality-access-pass>

Parking & Venue Maps: <http://edmontonexpocentre.com/attend/parking/>

Opening Ceremonies / Competitor Registration

Opening Ceremonies for the PSCC will take place on Tuesday May 7, 2019 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 Ceremony.

Equipment Set-up and Testing (for BYOD events)

Immediately following the Opening Ceremonies and registration, students who are competing in technology-based events that are A BYOD EVENT will be given an opportunity to set up and test their equipment to ensure THEIR EQUIPMENT IS fully functional and networked (where required) prior to the start of the competition the following day. If preferred, this equipment can be dropped off to the contest site area no earlier than one hour prior to the start of the Opening Ceremonies. Only accredited students and educators will be permitted into the competition site for equipment drop off and testing. Students who miss the equipment and setup testing opportunity will need to set up their equipment AFTER the mandatory COMPETITOR ORIENTATION time on the day of competition. ANY TIME that is required to set up and test their equipment on the competition day

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will be PART OF THEIR OVERALL COMPETITION TIME. The competition time for these competitors will NOT be extended.

Team Alberta Information

Team Alberta will be selected at the PSCC happening on May 8 - May 9, 2019. Gold medalists will then be eligible to participate at the Skills Canada National Competition (SCNC) on May 28 and May 29, 2019 in Halifax, NS. It is recommended that competitors review the SCNC contest description to be familiar with the national contest description and project at <http://www.skillsCanada.com/>.

During the PSCC Awards Ceremony on Thursday May 9, 2019 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 top ranking individuals will be asked to participate. If a student is not able to attend the Awards Ceremony a letter confirming the student's interest in Team Alberta participation must be emailed to katherinek@skillsAlberta.com prior to the start of competition on May 8, 2019.

Please prepare your students in advance to accept a position on Team Alberta and outline how your school will support their participation. Furthermore, it is very important that all fieldtrip/travel information for potential Team AB members is organized and completed prior to the selection of Team AB.

COMMITTEE MEMBERS

Cheryl Solesbury	Brian Andrus
Craig Skelly	Carole-Anne Chung
Nick Kladas	Marie Wiebe