



TERRITORIAL COMPETITION

CONTEST DESCRIPTION DOCUMENT

92- Workplace Safety Secondary Level

(NOTE: Contest Description may change without notice)

PURPOSE OF THE CHALLENGE

DURATION: 2 days

To assess the competitors understanding of Occupational Health and Safety principles, their knowledge and ability to identify hazards and implement appropriate controls through participation in workplace health and safety activities, including:

- ✓ The identification of hazards, recommending and identifying control measures;
- ✓ Displaying an understanding of hazard control methods;
- ✓ Effectively communicating OHS information.

Skills and Knowledge to be tested:

- ✓ Knowledge of OHS principles
- ✓ Ability to identify and assess hazards in a variety of settings;
- ✓ Display an understanding of hazard controls;
- ✓ Observing and recording observations;
- ✓ Researching and gathering information
- ✓ Effectively communicating OHS information.

COMPETITION REQUIREMENTS



Each competitor must complete the following three (3) sections:

A.) HAZARD IDENTIFICATION (45 mins Worth 38%)

Each competitor will inspect a mock Warehouse workplace to identify hazards.

- ✓ Competitors will be given forty five (45) consecutive minutes to complete this activity.
- ✓ The competitor must identify ten (10) hazards (up to two (2) for each of the six (6) hazard categories i.e. physical, biological, chemical, ergonomic, safety, psychological).
- ✓ For each hazard, identify the potential harm, how the hazard could be controlled and what type of control it is.
- ✓ There will be more than one competitor in the mock workplace at any one time.
- ✓ No electronic devices may be used for this activity.
- ✓ Hazards found in the mock workplace are simulating and / or depicting actual hazards found in workplaces.
- ✓ Competitors are required to wear long pants covering the ankle with their provincial / territorial competition shirt.

How will competitors be marked?

For each hazard identified, the competitor will earn:

- ✓ Up to 2 marks for correctly identifying the hazard.
- ✓ Up to 1 mark for correctly explaining what the potential harm is, or “what could happen.”
- ✓ Up to 2 marks for correctly describing what must be done to control the hazard, thus preventing injury or illness.

B.) HAZARD CONTROL SEARCH (1.5 hrs. Worth 32%)

This activity is comprised of two components:

1. *Observation of two different competitions to identify hazard controls being used;*
2. *Completion of Hazard Control worksheets.*

Each competitor will be provided with a Hazard Control worksheet.

- ✓ Competitors will be given one and a half (1.5) consecutive hours (90 minutes) to complete the hazard control activity.
- ✓ The competitors will be escorted to observe two (2) competitions, pre-determined by the Technical Chair.
- ✓ When collecting information on hazard controls, competitors will be expected to use a combination of observing and asking questions, always respectful of the fact that a competition is going on
- ✓ Judges will ensure that each competitor has their allotted time.
- ✓ Clipboards will be provided for use during this activity.
- ✓ Competitors are required to wear high visibility vests (provided), long pants covering the ankle with their provincial / territorial competition shirt.

One competition will be selected from each category: Technology, Service & Skilled Trades.

For example the technology such as:

- Photography
- Graphic design

For example the service industry such as:

- Cooking
- Baking
- Hairstyling

For example the skilled trades such as:

- Carpentry
- Welding
- Auto service

Questions on the worksheet may cover such areas as:

- ✓ Hazards associated with the work done at a competition site
- ✓ The nature of hazard controls observed (Elimination, Substitution, Engineering, Administrative or Personal Protective Equipment)
- ✓ A description of the control (using words and diagrams)
- ✓ Challenges associated with implementing the controls

How will competitors be marked?

Competitors will be marked on their ability to gather information on hazard control, as demonstrated in the written answers they provide in their worksheets.

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

Marks will be awarded on the completeness of their answers, as follows:

- ✓ *What are three hazards associated with this type of work? **2 marks***
- ✓ *What are three (3) controls you observed at this competition site? **1.5 marks***
- ✓ *Provide a detailed written description of one of the controls you observed, explaining how it works to control the hazard. **1.5 marks***
- ✓ *Place the hazards found into the correct category (substitution/engineering/administrative). **1.5 marks***
- ✓ *Which type of hazard control is described in question 3 and 4? Is it Engineering, Administrative or PPE? **0.5 mark***
- ✓ *List two (2) challenges associated with the hazard control described in questions 3, 4, and 5. **1 mark***

To prepare for this activity, competitors may wish to check out the following links:

http://www.wsccl.nt.ca/sites/default/files/documents/Hazard%20Assessment%20Code%20of%20Practice_%20NT%20and%20NU%20English.pdf

http://www.ccohs.com/oshanswers/hsprograms/hazard_risk.html

<http://www.ccohs.ca/oshanswers/prevention/effectiv.html>

Competitors may want to talk to parents and other experienced workers about hazards in their workplaces or starting a discussion with a member of the Occupational Health and Safety Committee at their school and/or workplace.

C.) OHS RESEARCH/PRESENTATION (2 hrs. Worth 30%)

Competitors are required to research, develop and deliver a 5-8 minute presentation called "Toolbox Talk"

For this activity, competitors will be assigned one hazard from the mock workplace by random draw, develop a tool box talk using the template that will be provided, prepare a 5-8 minute oral presentation on the topic and then present the tool box talk to the judges. Please note: no presentation software will be used. Laptops/ Tablets will only be used for research and preparation for the tool box talk.

This activity has two parts:

1. *Research and development of the toolbox talk. (1 hrs.& 45 mins)*
2. *Presentation of the completed tool box talk. (15 minutes)*

Competitors will be judged on how well they organize and communicate the key points of their toolbox talk. Their presentation must contain:

- ✓ An introduction of the student, stating your objective
- ✓ Introduction of the specific topic they will cover
- ✓ Give the toolbox talk
- ✓ Summarize talk
- ✓ Finish with a closing statement

Talk will be marked on the following:

- ✓ Evidence of preparation; **5 marks**
- ✓ Staying on topic – one main theme; **5 marks**
- ✓ Personalize – make the talk relevant to audience; **5 marks**
- ✓ Presentation style – speak clearly and convincingly; **5 marks**
- ✓ Summarize the main point at the end – Ask for a specific action; **5 marks**
- ✓ Following the time limit. **5 marks**

Competitors are not permitted to transport large equipment with them however small props may be brought to support your presentation.

The following websites are suggestions for research to complete their presentation:

Workers' Safety & Compensation Commission (www.wsccl.ca) Workers Compensation Boards (www.awcbc.ca)

Provincial/Territorial Ministry of Labor sites, Health and Safety Associations, Canadian Centre for Occupational Health and Safety (www.ccohs.ca) and local newspapers.

Sample "Toolbox Talks" can be found at:

Harvard University -http://www.uos.harvard.edu/ehs/safety/toolbox_talks.shtml

Construction Safety Assn of Manitoba

-<http://www.constructionsafety.ca/toolbox/index.htm>

Caterpillar -<http://safety.cat.com/TBTs>

EQUIPMENT, TOOLS, & SUPPLIES

PROVIDED BY THE COMMITTEE:

- Clip Boards
- Pencils
- Hard Hats
- Safety Vests
- Safety Glasses

PROVIDED BY THE COMPETITOR:

- Laptop/Tablet
- Committee will provide laptops/tablets if required, but participants are encouraged to bring their own.

SAFETY REQUIREMENTS

Safety awareness/requirements will be maintained at the minimum industry standards at all times. A participant will not be allowed to compete in the Hazard Identification and Risk Assessment part of the competition without the CSA Approved safety glasses, Hard Hat, steel toed boots and vest. These will be provided for you at the competition.

POINT BREAKDOWN – TOTAL OF 100 POSSIBLE MARKS

Marks are based on the following:

Points Breakdown	100
Mock Worksite Inspection	38
Hazard and Hazard Control Identification	32
Toolbox Talk	30

Ties

No ties allowed. In the event of a tie, the competitor with the highest score in the Hazard Identification criteria will be declared the winner, followed by the Hazard Control criteria, followed by the Presentation should a tie still persist.

TECHNICAL COMMITTEE MEMBERS & JUDGES

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