



## 2012 Provincial Skills Canada Competition

### *Scope Document*

Edmonton Expo Centre, Edmonton

May 10 & 11, 2012

<b>EVENT:</b> Auto Body Repair	<b>LEVEL:</b> Secondary
<b>COMPETITION START TIMES:</b> May 10: Orientation : 7:30 am Competition 8:30 – 3:30 pm May 11: Competition : 8:30 AM – 3:30 pm	<b>LOCATION:</b> Hall C, Edmonton Expo Centre, Edmonton
<b>DURATION:</b> 12 hrs. (Two Days)	<b>REGIONALIZED:</b> NO
<b>WORLDSKILLS TRADE #:</b> 13	

#### GENERAL DESCRIPTION

##### **Purpose of the Challenge:**

The purpose of the Auto Body competition is to evaluate each competitor's competency to organize and execute a given number of work assignments accurately and safely in the field of Auto Body Repair, and to recognize outstanding students for excellence and professionalism.

##### **Skills and Knowledge to be Tested:**

Competitors should possess the skills to be able to:

- Measure, cut, fit, and weld metal component assemblies
- Interpret vehicle dimensions, specifications, and accurately measure given points on a vehicle
- Perform structural adhesive repairs on plastic components
- Metal shape and finish a panel with the use of a hammer, dolly, file, and plastic filler

#### PROJECT DESCRIPTION

Competitors will be asked to perform: a mock rocker panel section; a dimensional assessment; a structural composite repair; a metal repair - working with dolly, pick, and file.

# SKILLS20

## EQUIPMENT & MATERIALS

### Equipment and Materials Competitors Must Supply:

All personal Auto Body Repair Technicians Tools and Safety Equipment, Including:

- CSA Approved Steel Toed Boots
- Coveralls (one piece) Cotton. No Disposable
- Safety Glasses
- Welding Helmet and Leather MIG Gloves
- Charcoal respirator / P-100 HEPA cartridge or disposable ( MUST fit under welding helmet)
- Tape Measure
- Straight Edges
- Cold Chisels
- Welding Helmet/Gloves
- Felt Marker Pencil
- Dollies
- Sure-form file
- Mixing Boards
- Body Filler Spreaders
- Hacksaw and Blades
- Body Hammers (Cross Pein and pick)
- Log Board Sander
- Center Punch
- Assortment of Vise Grips
- Metal File (Vixen)
- Sanding Blocks
- Utility Knife and Blades
- Ball Pein Hammer
- **NO Homemade Tools of any kind permitted.**

### Equipment and Materials Supplied by the Committee:

- 220Amp 110V Power Supply
- Compressed Air
- Mig Welding Unit
- Air Control Equipment
- Work Table and Protective Equipment other than Individual Protective Gear
- All Repair Material Associated with the Project
- Random Orbit Sander
- Pistol Grip Sander
- Pistol Grip Grinder
- Die Grinder
- Reciprocating Saw

# SKILLS20

- Heat Gun
- Cut-Off Tool
- Air Drill
- Spot Weld Cutters
- Drill Bits

## Clothing Requirement

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 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.

## JUDGING CRITERIA

Sectioning skills, Plastic repair skills, measuring and accuracy, metal repair techniques and theoretical knowledge.

Sectioning Project	350 Points
Metal Panel Repair	250 Points
Measuring	150 Points
Plastics	200 Points
Theory Exam	50 Points

## TIE BREAKING PROCESS

All events within the competition will be timed. In the event of a tie, the total amount time taken for the entire competition by the tying competitors will be factored into the scoring process.

## RELATED CAREER AND TECHNOLOGY STUDIES COURSES

Descriptions of all modules are located at the following website:

<http://www.education.gov.ab.ca/cts>

MEC1160: Structures & Materials  
MEC1170: Metal Forming & Finishing  
MEC1190: Surface Preparation 1  
MEC2170: Metal Repair & Finishing  
MEC2190: Surface Preparation 2  
MEC2200: Refinishing 1  
MEC2210: Touch-up & Finishing  
MEC3160: Body Repair Estimation  
MEC3170: Damage Analysis  
MEC3180: Damage Repair 1



MEC3190: Damage Repair 2  
MEC3200: Refinishing 2  
MEC3210: Plastic & Fiberglass  
MEC3230: Refinishing 3 MEC2220: Interior Repairs

## **ADDITIONAL INFORMATION**

### **Competitor Registration**

The Provincial Skills Canada Competition (PSCC) registration will open online [www.skillsalberta.com](http://www.skillsalberta.com) on February 27<sup>th</sup>, 2012 at 8:00 am.

### **Lunch**

Lunch for accredited competitors only will be provided by Skills Canada Alberta. Teacher accreditation can be purchased online at [www.skillsalberta.com](http://www.skillsalberta.com). Registration opens on February 27, 2012 at 8:00 am.

### **Parking & Venue Maps**

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

### **Awards Ceremony**

The awards ceremony will take place on Friday May 11, 2012 at 5:30pm in Hall D of the Edmonton Expo Center. Admission is free and everyone is welcome to attend. The awards ceremony will be shown live at [www.skillsalberta.com](http://www.skillsalberta.com).

### **Team Alberta Information**

Team Alberta will be selected at the Provincial Skills Canada Competition (PSCC) on May 10-11, 2012. Then two days later the gold medalists from PSCC will compete at the Skills Canada National Competition (SCNC) in Edmonton, Alberta. It is recommended that competitors review the SCNC scope documents to be familiar with the national scope and project.

[http://www.skillscanada.com/index.php?option=com\\_content&task=view&id=226&Itemid=242](http://www.skillscanada.com/index.php?option=com_content&task=view&id=226&Itemid=242)

During the PSCC Awards Ceremony on May 11 all students who earn a medal will be escorted backstage after we photograph their onstage moments of success. 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.

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

If a student is not able to attend the Awards Ceremony a letter confirming the student's interest in Team Alberta participation can be emailed to [kariz@skillscanada.com](mailto:kariz@skillscanada.com), otherwise the Team Alberta position will be offered to the silver medalist.



20th ANNUAL PROVINCIAL SKILLS CANADA COMPETITION

# SKILLS20

## COMMITTEE MEMBERS

Marcus Yeo  
Les Darr  
Brad Hemstreet