



CONTEST DESCRIPTION

# **Autobody Repair**

POST-SECONDARY

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## **1 THE SKILLS FOR SUCCESS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY**

The Government of Canada has updated the previous Essential Skills framework to the new Skills for Success model in response to the evolving labour market and changing skill requirements. This model outlines nine fundamental skills Canadians need to thrive in work, education, training, and daily life.

Skills/Compétences Canada aims to highlight the importance of these skills, vital for success in trade and technology careers. Competitors can see how Skills for Success are integrated into contest descriptions, projects, and project documents. Recognizing these skills during the competition helps competitors match tasks with specific skills necessary for success and understand how these skills apply within their trade or technology programs and future careers.

The nine key Skills for Success, validated for workplace success, are:

1. Numeracy
2. Communication
3. Collaboration
4. Adaptability
5. Reading
6. Writing
7. Problem Solving
8. Creativity and Innovation
9. Digital

These Skills for Success are detailed in sections 2.3 and/or 3.2 (to be completed by SCC) of your Contest Description and, if relevant, in your Project and supporting documents.

## **2 CONTEST INTRODUCTION**

### **2.1 Description of the associated work role(s) or occupation(s)**

[https://www.skillscompetencescanada.com/en/skill\\_area/autobody-repair/](https://www.skillscompetencescanada.com/en/skill_area/autobody-repair/)

### **2.2 Purpose of the Challenge**

Assess the contestant's skills in performing various Auto Body repair tasks.

### **2.3 Duration of contest**

12 hours

### **2.4 Skills and Knowledge to be tested.**

The contest is divided into five sections<sup>1,7</sup>:

- Door Skin Project

- Sectioning Project using a variety of fastening techniques ie: plug welding, resistance spot welding and/or adhesive bonding.
- Measuring Damage Analysis
- Aluminum welding and Silicone Bronze Welding
- Aluminum and / or steel dent repair

*Skills for Success - <sup>1</sup>Numeracy, <sup>7</sup>Problem Solving*

### 3 CONTEST DESCRIPTION

- 3.1 List of documents produced and timeline for when competitors have access to the documents on the Skills/Compétences Canada website

DOCUMENT	DATE OF DISTRIBUTION
Project	December 2024
Tool List	December 2024

- 3.2 Tasks that may be performed during the contest<sup>1,5,7</sup>

- Remove a damage panel
- Take measurements
- Mark cutlines and produce cuts
- Analysis damages
- Apply hammering technic
- Adjust various equipment's
- Apply welding technics
- Prepare and instal replacement panels

*Skills for Success - <sup>1</sup>Numeracy, <sup>5</sup>Reading, <sup>7</sup>Problem Solving*

### 4 EQUIPMENT, MATERIAL, CLOTHING

- 4.1 Equipment and material provided by Skills/Compétences Canada

- Compressed air
- MIG welding unit
- Aluminum MIG welder/silicon bronze MIG welder
- Aluminum dent repair system
- Squeeze Type Resistance Spot Welder
- Air control equipment (welding fume extractors)
- Worktable and protective equipment other than individual protective gear
- Creepers
- Floor jack

**COMPETITORS WILL BE REQUIRED TO USE THE MATERIAL AND EQUIPMENT PROVIDED BY SCC. ALL OTHER MATERIAL AND EQUIPMENT WILL BE REMOVED FROM THE SKILL AREA.**

## **4.2 Equipment and material provided by the competitor**

- All required autobody repair technician's tools (see list on the Skills/Compétences Canada website)

### **4.2.1 Toolboxes Guidelines**

One of the objectives of SCC is the sustainability of the Competition. As a result, the toolboxes brought by Competitors will be restricted to the following maximum specifications.

The Competitor toolbox must not exceed 1.5 meters<sup>3</sup> 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 NTC, 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.

## **4.3 Required clothing provided by the competitor**

- Work Coveralls (No disposable coveralls)
- Welding coat/jacket

## **5 HEALTH AND SAFETY**

### **5.1 Safety program**

SCC has implemented a comprehensive safety program as health and safety is an integral part of our competitions. Our safety program includes guidelines and procedures to make the work environment in each skill area safer.

#### **5.1.1 Safety manual**

As part of our program a safety manual has been created to monitor and document health and safety within each skill area. It includes a definite plan of action designed to prevent accidents. The safety manual will be provided for every skill and these instructions must be followed and respected by all participants and officials at the SCNC.

#### **5.1.2 Safety workshop**

During orientation, Competitors will participate in a Safety workshop and they will be expected to work and maintain a safe working area during the competition. Any Competitor breaking any health, safety, and environmental rules, may be required to undertake a second safety workshop, this will not affect the Competitor's competition time.

## **5.2 List of required personal protective equipment (PPE) provided by Skills/Compétences Canada**

- N/A

### 5.3 List of required personal protective equipment (PPE) provided by the competitor.

- Safety Glasses
- Safety Gloves
- Hearing protection
- Face Shield
- CSA approved Safety shoes
- Welding helmet
- Welding gloves
- Respiratory protection and dust mask
- Nitrile gloves
- Leather gloves
- Welding coat/jacket

**Note:** Competitors who do not have the required protective equipment will not be allowed to participate in the competition

## 6 ASSESSMENT

### 6.1 Point breakdown

**Note:** This list is subject to change.

TASKS	/100
Door Skin Project	20
Sectioning Project	40
Aluminum and/or steel dent repair	15
Measuring, Damage Analysis	15
Aluminum welding and Silicone Bronze welding	10

## 7 CONTEST SPECIFIC RULES

Contest specific rules cannot contradict or take priority over the Competition Rules. They do provide specific details and clarity in areas that may vary from contest to contest. Any additional contest rules will be reviewed during the competitor orientation.

TOPIC/TASK	CONTEST SPECIFIC RULE
Tools / Infrastructure	<ul style="list-style-type: none"> <li>• Competitors are not allowed to bring or use fabricated tools</li> <li>• All tools must have their guard in place</li> </ul>
Safety	<ul style="list-style-type: none"> <li>• Competitors are obligated to wear all PPE required for the task</li> </ul>

## **8 ADDITIONAL INFORMATION**

### **8.1 Interpreter**

If a competitor requires the help of an interpreter once onsite during the competition, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service may not be guaranteed.

### **8.2 Ties**

- Tiebreaker #1: In the event of a tie, the competitor with the highest score in the Sectioning project will be declared the winner.
- Tiebreaker #2: If a tie remains, the competitor with the high score in the Door Skin project will be declared the winner. I
- Tiebreaker #3: If a tie remains, the competitor with the highest score in the Measuring criteria will be declared the winner.

### **8.3 Test Project change at the Competition**

Where the Test Project has been circulated to Competitors in advance, NTC shall change a maximum of 30% of the work content. Please refer to the Competition Rules.

### **8.4 Competition rules**

Refer to the competition rules of the Skills Canada National Competition which can be found on our website.

## **9 NATIONAL TECHNICAL COMMITTEE MEMBERS**

MEMBER ORGANIZATION	NAME
Newfoundland and Labrador	John Herlidan - Co-chair
New Brunswick	Don Mackay
Quebec	Robin Laberge
Ontario	William Speed - Chair
Manitoba	Marcel Bernier
Saskatchewan	Scott Kucharyshen
Alberta	Nathan Badry
British Columbia	John Euloth

Contact the Skills/Compétences Canada national secretariat for any questions or concerns: Nathalie Maisonneuve ([nathaliem@skillscanada.com](mailto:nathaliem@skillscanada.com)).