



CONTEST DESCRIPTION

Autobody Repair

POST-SECONDARY

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

In response to the evolving labour market and changing skill needs, the Government of Canada has launched the new Skills for Success (*former Essential Skills*) model defining nine key skills needed by Canadians to participate in work, in education and training, and in modern society more broadly. SCC is currently working with Employment and Social Development Canada (ESDC) to bring awareness of the importance of these skills that are absolutely crucial for success in Trade and Technology careers. Part of this ongoing initiative requires the integration and identification of the Skills for Success in contest descriptions, projects, and project documents. The next phase and very important aspect of our Skills for Success (SfS) initiative is to provide a *Skills Report Card* to each competitor at the Skills Canada National Competition. The purpose of the report card is to inform the competitor about their current level of nine identified Skills for Success based on their competition scores. With this knowledge, the competitor will be made aware which skill may require improvement. Full implementation is expected in the next Skills Canada National Competition.

The following 9 skills have been identified and validated as key skills for success for the workplace in the legend below:

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

These Skills for Success have been identified in section 2.4 and/or 3.2 of your Contest Description and if applicable, 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/

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:

- Door Skin Project
- Sectioning Project using a variety of fastening techniques ie: plug welding, resistance spot welding and/or adhesive bonding.
- Panel alignment

- Measuring Damage Analysis and Information retrieval using Audatex
- Aluminum welding and Silicone Bronze Welding
- Aluminum and steel dent repair
- Steel dent repair

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	January 2022
Tool List	January 2022

3.2 Tasks that may be performed during the contest

- Door Skin Project⁵
- Sectioning Project⁷ using a variety of fastening techniques ie: plug welding, resistance spot welding and/or adhesive bonding¹
- Measuring Damage Analysis and Information retrieval^{7, 9} (Audatex tutorial training will be available online one week prior to the competition)
- Aluminum welding and silicone bronze welding
- Aluminum and Steel dent repair⁷

Skills for Success - ¹Numeracy, ⁵Reading, ⁷Problem Solving, ⁹Digital

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
- Reciprocating saw
- Measuring tapes double sided (Metric)
- Lights - trouble lights rechargeable LED

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 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 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 COVID-19 Protocol

The COVID-19 guidelines will be shared as soon as they are available.
The COVID-19 guidelines will be subject to change based on the BC COVID-19 guidelines in place at the time of the competition.

5.3 List of required personal protective equipment (PPE) provided by Skills/Compétences Canada

- N/A

5.4 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 & steel dent repair	15
Measuring, Damage Analysis and information retrieval	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"> Competitors are not allowed to bring or use fabricated tools All tools must have their guard in place
Safety	<ul style="list-style-type: none"> Competitors are obligated to wear all PPE required for the task

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.
- Tiebreaker #3: If a tie still 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
New Brunswick	Don Mackay
Quebec	Amir Farrokh – Chair
Ontario	William Speed – Co-Chair
Manitoba	Marcel Bermier
Saskatchewan	Greg Siegel
Alberta	Jim Peterson
British Columbia	Rory Morrison

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