



CONTEST DESCRIPTION

Autobody repair

SECONDARY / POST-SECONDARY

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1. THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY

SCC is currently working with Employment and Social Development Canada (ESDC) in order to bring awareness to the importance of Essential Skills that are absolutely crucial for success in the workforce. Part of this ongoing initiative requires the integration and identification of Essential Skills in contest descriptions, projects, and project documents. The next phase and very important aspect of our Essential Skills (ES) initiative is to provide an ES report card to each competitor at the Skills Canada National Competition. The purpose of the ES report card is to inform the competitor about their current level of essential skills based on their competition scores. With this knowledge, the competitor will be made aware which essential 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 essential skills for the workplace in the legend below:

¹Numeracy, ²Oral Communication, ³Working with Others, ⁴Continuous Learning, ⁵Reading Text, ⁶Writing, ⁷Thinking, ⁸Document Use, ⁹Digital

These essential skills have been identified in section 2.4 and/or 3.2 of your Contest Description and if applicable, in your Project and all other supporting project documents.

2. CONTEST INTRODUCTION

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

<http://skillscompetencescanada.com/en/skills/transportation/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.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Test Project	November 2020
Tool List	November 2020

3.2 Tasks that may be performed during the contest

- Door Skin Project⁸
- 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 repair

Essential Skills - ¹Numeracy, ⁷Thinking (Problem Solving, Job Task Planning and organizing),

⁸Document Use, 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 toolbox but the total of all toolbox, 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. SAFETY REQUIREMENTS

5.1 Safety workshop

Upon arrival at the Skill area, 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 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

6. ASSESSMENT

6.1 Point breakdown

POINT BREAKDOWN	/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 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
Tools / Infrastructure	<ul style="list-style-type: none"> 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 might 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

Please 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
British Colombia	Rory Morrison
Saskatchewan	Greg Siegel
Ontario – Co-chair	William Speed
Québec	Amir Farrokh
New Brunswick - Chair	Don Mackay
Manitoba	Lawrence Danylchuk
Alberta	Jim Peterson
Newfoundland and Labrador	John Herlidan
Nova Scotia	Shaun Langille

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