



2018

# SCNC

SKILLS CANADA  
NATIONAL COMPETITION

# OCMT

OLYMPIADES CANADIENNES  
DES MÉTIERS ET  
DES TECHNOLOGIES

  
**skillsCompétences**  
Canada  
Edmonton2018

CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

# AUTOBODY REPAIR CARROSSERIE

SECONDARY AND POST-SECONDARY /  
NIVEAUX SECONDAIRE ET POSTSECONDAIRE



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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:

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

These essential skills have been identified with in section 2.3 and/or 3.2 of your Contest Description. The top three Essential Skills for your area of competition have been identified on 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 kin 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
- Aluminum 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	January, 2018
Tool List	January, 2018

### 3.2 Tasks that may be performed during the contest

- Door Skin Project<sup>7</sup>
- Sectioning Project<sup>7</sup> using a variety of fastening techniques ie: plug welding, resistance spot welding and/or adhesive bonding<sup>1</sup>
- Measuring Damage Analysis and Information retrieval<sup>7, 9</sup> (Audatex tutorial training will be available online one week prior to the competition)
- Aluminum welding
- Aluminum dent repair

*Essential Skills - <sup>1</sup>Numeracy, <sup>7</sup>Thinking (Problem Solving, Job Task Planning and organizing),  
<sup>8</sup>Document Use, <sup>9</sup>Digital*

#### **4. EQUIPMENT, MATERIAL, CLOTHING**

##### **4.1 Equipment and material provided by Skills/Compétences Canada.**

- Compressed air
- MIG welding unit
- Aluminum 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)

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

- Work Coveralls (No disposable coveralls)

#### **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
- Hard Hat
- Hearing protection
- Face Shield
- CSA approved Safety shoes
- Welding helmet
- Welding gloves
- Respiratory protection and dust mask
- Nitrile gloves
- Leather gloves

**6 ASSESSMENT**

**6.1** Point breakdown

POINT BREAKDOWN	/100
Door Skin Project	22
Sectioning Project	42
Aluminum dent repair	10
Measuring, Damage Analysis and information retrieval	16
Aluminum 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"> <li>• Competitors are not allowed to bring or use fabricated tools</li> </ul>
Tools / Infrastructure	<ul style="list-style-type: none"> <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 Consecutive translation

If consecutive translation is required on site, 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 Tie (No ties are allowed)

In the event of a tie, the competitor with the highest score in the Sectioning project will be declared the winner. If a tie remains, the competitor with the high score in the Door Skin project will be declared the winner. 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.

## 9 NATIONAL TECHNICAL COMMITTEE MEMBERS

Member Organization	Name
British Columbia	Rory Morrison
Saskatchewan	Greg Siegel
Ontario - Chair	William Speed
Québec	Léo Gélinas
New Brunswick	Don Mackay
Manitoba	Lawrence Danylchuk
Alberta	Jim Peterson
Newfoundland and Labrador	Brandon Drover

Contact the Skills/Compétences Canada national secretariat for any questions or concerns: Marilou Leduc (mariloul@skillscanada.com).