



2018

# SCNC

SKILLS CANADA  
NATIONAL COMPETITION

# OCMT

OLYMPIADES CANADIENNES  
DES MÉTIERS ET  
DES TECHNOLOGIES

  
**skillsCompétences**  
Canada  
Edmonton2018

CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

# CAR PAINTING PEINTURE AUTOMOBILE

SECONDARY AND POST- SECONDARY /  
NIVEAUX SECONDAIRE ET POSTSECONDAIRE



## Table of Contents

<b>1. THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY .....</b>	<b>3</b>
<b>2. CONTEST INTRODUCTION .....</b>	<b>3</b>
<b>3. CONTEST DESCRIPTION .....</b>	<b>4</b>
<b>4. EQUIPMENT, MATERIAL, CLOTHING.....</b>	<b>4</b>
<b>5. SAFETY REQUIREMENTS .....</b>	<b>5</b>
<b>6. ASSESSMENT .....</b>	<b>5</b>
<b>7. CONTEST SPECIFIC RULES .....</b>	<b>6</b>
<b>8. ADDITIONAL INFORMATION.....</b>	<b>6</b>
<b>9. NATIONAL TECHNICAL COMMITTEE MEMBERS.....</b>	<b>7</b>

## **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/careers/transportation/car-painting/>

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

Perform refinishing and surface preparation procedures common in the collision industry on various substrates. Competitors will be evaluated on their comprehension of car painting terms, procedures and their ability to perform these tasks in a safe and professional manner.

### **2.3** Duration of contest.

9 hours

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

- Perform surface preparation and paint application on plastic automotive parts
- Colour matching, mixing and tinting
- Polishing and masking

### 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
Product data sheets	May, 2018
Project instruction sheets	January, 2018

3.2 Tasks that may be performed during the contest

- Clean and prepare panels for paint application<sup>7</sup>
- Mix and apply undercoats<sup>1</sup>
- Refinish plastic substrates
- Perform prepping and painting projects on a body panel<sup>7</sup>
- Remove surface paint defects in basecoat/clear coat painted panel<sup>7</sup>
- Colour matching utilizing paint manufacturer paint chips
- Colour tinting to a blendable match utilizing spray out cards<sup>8</sup>
- Create a colour without formula (eye match) utilizing spray out cards<sup>8</sup>
- Masking for refinish

*Essential Skills – <sup>1</sup>Numeracy, <sup>7</sup>Thinking (Problem Solving, Job Task Planning & Organizing, Critical Thinking), <sup>8</sup>Document Use*

### 4. EQUIPMENT, MATERIAL, CLOTHING

4.1 Equipment and material provided by Skills/Compétences Canada

- Waterborne and solvent technology from *Sherwin-Williams Automotive*, will be used for this competition. All clear coat and single stage products will be low V.O.C.
- Sata spray guns (undercoat and topcoat)
- Electric polisher
- Work tables and stands
- Protective equipment other than personal protective gear (PPE)
- Sata air supplied respirators
- Paint suits
- Environmental controls
- Sanding equipment, blocks and palm sanders
- 3M automotive products for automotive repair and refinish

**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

- Half mask respirator: organic vapour, with documentation of valid fit-test pass (must be clean shaven to compete)

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

- N/A

### 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 List of required personal protective equipment (PPE) provided by competitors

- CSA approved safety shoes and glasses
- Half mask respirator: organic vapour, with documentation of valid fit-test pass (must be clean shaven to compete)

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

- Hearing protection
- Respiratory protection
- Hazardous spill kit
- Nitrile /latex gloves

### 6. ASSESSMENT

#### 6.1 Point breakdown

POINT BREAKDOWN	/100
Plastic Paint & Masking Project – (Blending/ Two-tone)	25
Polishing/chip protection film/decals project	20
Colour tinting Projects 1, 2 & 3 (let-down)	25
Prepping/ priming– Plastic Part (3M one sided plastic repair)	25
Applied Work Practices	5

## 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
Spray Booth	<ul style="list-style-type: none"> <li>• Fresh air supplied respirators must be worn by all competitors in the spray booth at all times</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 Plastic Paint & Masking criteria will be declared the winner. If a second tie occurs, the competitor with the highest score in the Prepping/ Priming – Plastic criteria will be declared the winner. If a third tie occurs, the competitor with the highest score in the Polishing/ Chip Protection Film/Decal 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
Ontario - Chair	Daniel Chudy
Nova Scotia	Aaron Hebb
Manitoba	Derek Molinski
Québec	Claude Labonté
British Columbia	Mario Trettenero
Newfoundland and Labrador	Brian Druken
New Brunswick	Brandon Belliveau
Alberta	Cecile Bukmeier
Saskatchewan	Dale Hawkins

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