

Skills Canada National Competition

SCOPE DOCUMENT

SCOPE DOCUMENT	
Competition Year	2012
Competition location	Edmonton, AB
Trade Number	36
Trade Name	Car Painting
Level	Secondary and Post-Secondary

1. INTRODUCTION

1.1 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 and procedures and their ability to perform these tasks in a safe and professional manner.

1.2 Duration of contest.

12 hours

1.3 Skills and Knowledge to be tested.

- Prepare and refinish a plastic substrate.
- Perform surface preparation and paint application on automotive parts
- Colour matching, mixing and tinting
- Detailing and masking

2. CONTEST DESCRIPTION

2.1 List of documents produced and timeline for when competitors have access to the documents.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
No other documents will be posted prior to the competition	

2.2 Tasks that may be performed during the contest

- Clean and prepare panels for paint application.
- Mix and apply undercoats.
- Mix and apply topcoats and clear coats.
- Refinish plastic substrates.
- Perform prepping and painting projects on steel body panel

- Remove surface paint defects in basecoat/clearcoat painted panel
- Colour tinting to a blendable match utilizing spray out cards
- Create a colour without formula (eye match) utilizing spray out cards
- Masking a panel for refinish

3. EQUIPMENT, MATERIAL, CLOTHING

3.1 Equipment and material provided by Skills/Compétences Canada

- Waterborne technology will be used for this competition. All clear coat products will be low V.O.C.
- Spray guns (Primer, Basecoat and Clear Coat)
- Polisher
- Work table
- Protective equipment other than individual protective gear (PPE)
- Air supplied respirators
- Tyvek and nylon paint suits
- Vented fume extraction

3.2 Equipment and material provided by the competitor

- D/A Orbital sander equipped with 3M hook-it backing pad
- Blow Gun
- Personal paint and preparation tools (no homemade tools permitted)
- No personal electrical devices permitted. (cell phones, iPods etc)

3.3 Required clothing (Provided by competitor)

- Work place coveralls

4. SAFETY REQUIREMENTS

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

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Non Tinted Safety Glasses | <input checked="" type="checkbox"/> CSA approved Safety shoes | <input type="checkbox"/> Latex gloves |
| <input type="checkbox"/> Safety Gloves | <input type="checkbox"/> Welding helmet | <input checked="" type="checkbox"/> Dust Mask |
| <input type="checkbox"/> Hard Hat | <input checked="" type="checkbox"/> Charcoal filter respirator | <input type="checkbox"/> Leather gloves |
| | | <input type="checkbox"/> No PPE required |

4.2 List of required personal protective equipment(PPE) provided by Skills/Compétences Canada (S/CC)

- | | | |
|--|--|--|
| <input type="checkbox"/> Safety Glasses | <input type="checkbox"/> CSA approved Safety shoes | |
| <input type="checkbox"/> Safety Gloves | <input type="checkbox"/> Welding helmet | <input checked="" type="checkbox"/> Hazardous spill kit |
| <input type="checkbox"/> Hard Hat | <input type="checkbox"/> Welding gloves | <input checked="" type="checkbox"/> Nitrile /Latex Gloves |
| <input checked="" type="checkbox"/> Hearing protection | <input checked="" type="checkbox"/> Respiratory protection | <input checked="" type="checkbox"/> No additional PPE will be supplied by S/CC |

5. ASSESSMENT

5.1 Point breakdown

POINT BREAKDOWN	/1000
Detailing (Polishing)	200
Masking	100
Bumper Refinishing Refinishing	250
Fender Blending Tri-coat/Letdown	250
Colour tinting	100
Colour matching by eye	100

6. ADDITIONAL INFORMATION

6.1 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.

6.2 Tie (No ties are allowed)

In the event of a tie, the winner will be determined by the shortest completion times of all the projects combined.

6.3 Competition rules

Please refer to the competition rules for all general SCNC information.

7. NATIONAL TECHNICAL COMMITTEE MEMBERS

Region	Name	Email address
Pacific Region	Todd Foss	dotsoff@shaw.ca
Ontario	Daniel Chudy	dchudy@centennialcollege.ca
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