

Skills Canada National Competition

SCOPE DOCUMENT	
Competition Year	2012
Competition location	Edmonton, AB
Trade Number	53
Trade Name	Outdoor Powered Equipment
Level	Secondary

1. INTRODUCTION

1.1 Purpose of the Challenge.

To test each student's skill and knowledge in the areas of inspection, measurement, maintenance and repair of small engines and recreational vehicles. Prepare each student for employment in the industry.

1.2 Duration of contest.

12 Hours

1.3 Skills and Knowledge to be tested.

Theory 15% Practical 85%

All phases of measurement will deal exclusively with metric only.

2. CONTEST DESCRIPTION

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

DOCUMENT	DATE DE DIFFUSION SUR LE SITE WEB
No other documents will be distributed prior to the competition	

2.2 Tasks that may be performed during the contest

- To demonstrate the skill and knowledge involved with the Air/Liquid engine.
- Disassemble and reassemble engines
- Carburetor theory and adjustments, measuring and identifying parts
- Use of repair manuals
- Technical competence and safe work practice/procedures

- Tool handling and recognition
- General knowledge of 4 Cycle theory
- General knowledge of 2 Cycle theory
- Transmission path of power/Electrical Diagnosis

3. EQUIPMENT, MATERIAL, CLOTHING

3.1 Equipment and material provided by Skills/Compétences Canada

- All necessary equipment and engines
- All necessary hand tools and specialty tools

3.1 .Equipment and material provided by the competitor

- Optional: Competitors may bring their own basic hand tools, multimeter (With low impedance) and testlight.

3.2 Required clothing (Provided by competitor)

- Clean unmarked lab coat

4. SAFETY REQUIREMENTS

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

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> 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 type="checkbox"/> Dust Mask |
| <input type="checkbox"/> Hard Hat | <input type="checkbox"/> Welding gloves | <input type="checkbox"/> Leather gloves |
| <input checked="" type="checkbox"/> Hearing protection | <input type="checkbox"/> Respiratory protection | <input type="checkbox"/> No PPE required |

Note: Competitors will not be allowed to compete if the above items are not brought and used

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

- No additional PPE will be supplied by SCC

5. ASSESSMENT

5.1 Point breakdown

POINT BREAKDOWN	/1000
Part Failure	100
Engine Lab	500
A.T.V.	100
Off-road motorcycle	100
Outdoor	100
Theory	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)

A tie-break situation will be decided by #1 highest theory test score #2 highest engine lab score.

6.3 Competition rules

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

7. NATIONAL TECHNICAL COMMITTEE MEMBERS

Region	Name	Email address
Central Region	Roy King	rsking@centennialcollege.ca
Western Region	Lee Glass	Yamaha_bike_guy@hotmail.com
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