



2026 Territorial Skills Competition Contest Description

Aerospace Technology

Post-Secondary

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1. SKILLS FOR SUCCESS FOR CAREERS IN SKILLED TRADES AND TECHNOLOGY

The Government of Canada has updated the previous Essential Skills framework to the new Skills for Success model in response to the evolving labour market and changing skill requirements. This model outlines nine fundamental skills Canadians need to thrive in work, education, training, and daily life.

Skills/Compétences Canada aims to highlight the importance of these skills, vital for success in trade and technology careers. Competitors can see how Skills for Success are integrated into contest descriptions, projects, and project documents. Recognizing these skills during the competition helps competitors match tasks with specific skills necessary for success and understand how these skills apply within their trade or technology programs and future careers.

The nine key Skills for Success, validated for workplace success, are:

1. Numeracy
2. Communication
3. Collaboration
4. Adaptability
5. Reading
6. Writing
7. Problem Solving
8. Creativity and Innovation
9. Digital

2. CONTEST INTRODUCTION

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

https://www.skillscompetencescanada.com/en/skill_area/aerospace-technology/

2.2. Purpose of the Challenge

To test the competitor in different areas of skill required in aircraft maintenance. General Maintenance skill & knowledge regarding reciprocating aircraft engines, sheet metal repair, and technical record documentation.

2.3. Duration of Contest

Competition duration will not exceed 6 hours. Competitors will begin at 9:00AM and have until 4:00PM to complete all of their tasks, including tidying their work station. Competitors will be given an hour break for lunch provided by Skills Canada Yukon.

2.4. Skills and Knowledge to be Tested

- Removal of reciprocating engine cylinder

- Technical record entries in regards to serialized components requiring a weight & balance amendment
- Minor sheet metal repair with regards to an engine control cable

3. EQUIPMENT, MATERIAL, CLOTHING

3.1. Equipment and material provided by Skills Canada Yukon:

- All tooling, specialty tooling and equipment required by the selected project.

3.2. Required Clothing Provided by the Competitor

- Competitors can bring in personal hand tools as they require, to be approved by judges before starting the competition.
- Calculator (Simple, non-graphing, non-programmable, no phones)
- The following are optional and may be supplied by the competitor:
 - Headlamp
 - Pen (Blue/Black)
 - Fine Tip Marker (Black)

3.3. Required Clothing Provided by the Competitor

- CSA approved footwear
- Appropriate workplace clothing (coveralls, work pants, etc.)

4. HEALTH & SAFETY

4.1. Safety Orientation

During orientation, Competitors will participate in a Safety workshop and they will be expected to work and maintain a safe working area during the competition.

List of required personal protective equipment (PPE) provided by Skills Canada Yukon:

- Safety Glasses
- Hearing Protection
- Nitrile Gloves

NOTE: Competitors who do not have the required protective equipment/clothing will not be allowed to participate in the competition

4.2. Field Level Risk Assessment

SCY will complete a Field Level Risk Assessment for every competition area in addition to a full walkthrough with a representative from Yukon Workers Safety and Compensation Board to identify potential hazards and create solutions. The primary goal of an FLRA is to identify and mitigate potential risks to ensure the safety of competitors.

5. ASSESSMENT

5.1. Point Breakdown

Engine Cylinder Removal (2 Hours)	/100
Completion in a timely manner	/40
Identifying Specified parts as per removal instructions	/40
Cleanliness/Tidyness	/20

Technical Records Entry (2 Hours)	/100
Entry written neat, tidy, & legible	/20
Relevant information recorded in the entry	/40
Weight & Balance accurately calculated	/40

Sheet Metal Repair (2 Hours)	/100
Completed in a timely fashion	/20
Repair instructions followed correctly	/40
Engine control installed properly	/40

5.2. Qualifying for the Skills Canada National Competition

Competitors can secure a win in their specific competitions by demonstrating exceptional skills and abilities, and meeting or exceeding established evaluation criteria. However, qualification for the Skills Canada National Competition is not solely determined by winning at the territorial level.

The decision to advance further depends on additional factors, such as the National Technical Committee's (NTC) assessment and/or the judges' discretion, which may take into account specific criteria beyond just event performance. These additional criteria could encompass a competitor's adherence to safety protocols, ethical conduct, teamwork, or overall professionalism, ensuring that those who represent the Territory at the national level not only excel in their technical skills but also embody the values and standards upheld by Skills Canada.

***Please note:** Not all territorial contest areas are eligible for the Skills Canada National Competition. Please refer to the SCNC website to determine if your skill area/level is eligible to compete.

6. ADDITIONAL INFORMATION

6.1. Competition Rules

Refer to the competition rules of the Skills Canada Yukon Territorial Competition which can be found on our website.

6.2. Ties

Tiebreaker #1: In the event of a tie, the candidate with the highest safety score will be declared the winner.

Tiebreaker #2: If a tie still remains, the competitor with the highest score in the Lockwire Assessment will be declared the winner.

6.3. Accessibility & Accommodations

Skills Canada Yukon is committed to providing a barrier-free environment which allows everyone to participate in our programs and competitions. We strive to be fully inclusive to all manner of disabilities and identities. SCY provides the opportunity for any competitor to disclose a disability on our competition registration form. Requests for accommodations must be made at least 3 weeks prior to the competition date.

7. NATIONAL & TERRITORIAL TECHNICAL COMMITTEES

7.1. The Yukon Territorial Technical Committee member for Aircraft Maintenance Engineer Technology is Martin McKitchen Email: kitchen_stoop@msn.com

7.2. Please contact yukon@skillscanada.com with questions or concerns related to the competition.