Contest Description

Aerospace Technology

Post-Secondary

DATE	LOCATION
Tuesday, March 16, 2027	NSCC Aviation Institute

Competition Schedule

Time	Task
08:30	Start
12:30	Lunch (provided)
15:30	End

Competition Tasks

TASK	DURATION
Task # 1 – Structures Task	1.5 hours
Task # 2 – Mechanical Task	1.5 hours
Task # 3 – Avionics Task	1.5 hours

- **NOTE:** Competitors have 15-minute breaks between tasks.

2. Purpose of the Contest

- Display and evaluate skills and knowledge in the three disciplines of aircraft maintenance, mechanical, avionics and structures.

3. Criteria

- NSCC Competitor candidates will be selected and offered an opportunity to compete based on the highest average practical grades achieved during the first semester (fall semester) of their second year of study in a mechanical or avionics programs and meet the Skills Canada - Nova Scotia contest eligibility requirements.

4. Number of Stations / Allocations

- Six (6) stations will be available during the competition.

5. Skills & Knowledge to be Tested

Task #1 – Structures Task

- Fabricate and / or repair an aviation type structural part using supplied drawings and standard practice manuals.

Task #2 – Mechanical Task

- Perform maintenance tasks on aerospace components using supplied approved documentation.

Task #3 – Avionics Task

- Fabricate and / or troubleshoot an aviation type electrical system using supplied documentation.

6. Prerequisites Contest Area Prerequisites

- Second-year students enrolled in a post-secondary Aircraft Maintenance training program.

SCNS Prerequisites

- Post-Secondary competitors must meet the following criteria in the current school year:
- Be enrolled in a community college, university, private school OR be a registered apprentice with the Department of Labour and Advanced Education (Apprenticeship Agency);
- Be registered as a competitor with Skills Canada – Nova Scotia;
- The competitor cannot have received their journey-person certification prior to March 1 of the competition year;
- Possess Canadian citizenship or Permanent Resident (Landed Immigrant) status and be a resident of Nova Scotia; or be a registered International Student. Competitors are responsible for verifying this information if requested;

- Have been earning post-secondary credits in a sector relevant to the one in which they wish to compete (i.e. to compete in carpentry, the student would be earning credits in any construction-related trade) at any time during the academic school year (September to June);
- All competitors must be able to show either current apprenticeship status and/or proof of enrollment in a post-secondary institution upon request of the Provincial Technical Committee (PTC) or Skills Canada – Nova Scotia.
- Have completed and submitted a signed release form.

7. Equipment and Clothing

What Will Be Supplied

- All required tooling;
- All required documentation;
- All required supplies;
- Facilities required to complete all tasks safely.

What Competitors Must Supply

- CSA approved safety eye wear;
- CSA approved safety footwear; • Hearing protection as required;
- Pen and pencil.

8. Evaluation & Judging Criteria

TASK	POINT BREAKDOWN
Task #1	30
Task #2	40
Task #3	30
TOTAL	**100**

- A detailed evaluation grid will be used during the contest.
- Competitors will receive evaluation criteria prior to each task.
- Ties are not permitted. In the event of a tie, the winner will be the competitor with the lowest total time to complete Task #1.

9. Additional Information

- Personal technology is not permitted in the competition area.
- Additional tooling supplied by competitors is prohibited.

10. Provincial Technical Committee

Name	Employer	Email
Todd Lintaman	NSCC	Todd.lintaman@nscc.ca
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