

DATE	LOCATION
Thursday, March 28 2024	NSSC Aviation Institute

Preliminary Competition – Date TBD

TASK	DURATION
Task # 1 – AME Aptitude Test	1.0 hours Held prior to the primary competition day

Competition Schedule – Thursday, March 28 2024

Time	Task
08:00	Start
12:00	Lunch (provided)
15:00	End

Competition Tasks

TASK	DURATION
Task # 2 – Structures Task	1.5 hours
Task # 3 – Mechanical Task	1.5 hours
Task # 4 – 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

- A preliminary competition (*date TBD*) will be open to all students enrolled in a second year Aircraft Maintenance Engineer program. The primary competition (March 28, 2024) will be open to the six highest scoring competitors from the preliminary competition who 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 – AME Aptitude Text (preliminary competition)

- An aptitude test to determine your knowledge of all things AME.

Task #2 – Structures Task

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

Task #3 – Mechanical Task

- Perform maintenance tasks on a turbine engine using supplied approved documentation.

Task #4 – 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 be a certified journey-person;
- 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 foot wear;
- Hearing protection as required;
- Pen and pencil.

8. Evaluation & Judging Criteria

TASK	POINT BREAKDOWN
Task #1	10
Task #2	30
Task #3	30
Task #4	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.

9. Additional Information

- Personal technology is not permitted in the competition area.
- All required documentation will be provided on competition day only.

10. Provincial Technical Committee

Name	Employer	Email
Todd Lintaman	NSCC	Todd.lintaman@nsc.ca
Darrell Alward	NSCC	Darrell.Alward@nsc.ca
Jasper Jackson	NSCC	Jasper.Jackson@nsc.ca