

DATE	LOCATION
Tuesday, April 27, 2021	NSCC Kingstec Campus

1. Schedule

Time	Task
8:00 am	Orientation
8:30 am - 3:30 pm 12:00 pm – 1:00 pm (LUNCH)	Competition <ul style="list-style-type: none"> • There will be a one-hour lunch break (lunch is provided). • There are six (6) stations. • Each station is a maximum of 1 hour long.

2. Purpose of the Contest

To challenge aspiring Heavy Duty / Truck and Transport repair technicians with common trade related tasks.

3. Criteria

4. Number of Stations / Allocations

There will be six (6) stations.

5. Skills & Knowledge to be tested

Station 1 – Shop Fundamentals

- Layout and Tapping;
- Measuring;
- Drill Sharpening;
- Test questions.

Station 2 - Welding

- Oxy – acetylene cutting;
- SMAW welding;
- Measuring and Layout;
- Fastener Torqueing;
- Test questions.

Station 3 – Electrical

- Diagnose and Repair;
- Circuit Faults;
- Schematic Interpretation;
- Diagnostic Tool Usage;
- Test questions.

Station 4 – Engines

- Engine;
- Adjustments;
- Measurements;
- Test questions;
- Online and Printed Manuals.

Station 5 – Hydraulics

- Diagnose hydraulic faults;
- ISO schematic interpretation;
- Test questions;
- Online and Printed Manuals.

Station 6 – Power Trains

- Adjustments of power train components;
- Test questions.

6. Prerequisites

Contest-Specific Prerequisites

Participants must be presently enrolled in either - Certificate, Diploma or as a Registered Apprentice in the Heavy Duty/Truck and Transport program. The competition is based on first and second year curriculum.

SCNS Prerequisites

- Enrolled in a community college, university or private school OR be registered as an apprentice with the Department of Labour and Advanced Education.
- Registered as a competitor with Skills Canada – Nova Scotia (SCNS)
- The competitor must possess a Canadian citizenship or landed immigrant status and be a resident of Nova Scotia. Competitors are responsible for verifying this information if requested.

- Have been earning post-secondary credits 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 SCNS.

7. Equipment & Clothing

a) What Will Be Supplied

Equipment and all necessary tools to do the required tasks.

b) What Competitors Must Supply

- PPE;
- Personal Covid required items PPE (masks)
- Clear safety glasses, no tints;
- 6-inch-high (cover ankle) CSA work boots;
- Coveralls, long sleeve
- Competitors may bring their own welding PPE, if desired.

8. Evaluation & Judging Criteria

- Judging will be performed by industry experts;
- Evaluation will be based on performance, ability, knowledge and time;
- Competitor ties will be settled by total tasks completion time.

9. Additional Information

10. PTC Contact Information

Name	Employer	Email
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