

1. Schedule

DATE: April 10, 2026		LOCATION: NSCC Sydney Waterfront	
TIME		TASK	
7:00am		Competitors Arrive & Register	
7:15am		Briefing of Competitors	
7:30am		Competition Begins	
9:30am		15-minute break	
9:45am		Competition Resumes	
11:30am		Lunch Break	
12:00pm		Competition Resumes	
2:15 pm		Competition Ends & Judging Starts	

2. Purpose of the Contest

Assess the competitor's skills and abilities at performing various installation tasks in the field of electrical residential, commercial and industrial wiring.

3. Criteria

There is a 6-hour time limit for this competition.

The first person to complete, however, may not be the winner. If the time expires you will be marked on what you have completed. If time allows, the competitor is permitted to redo any skills that they may improve marks. Judging will commence when the contestant has left the contest area, or the time limit has expired.

All work must be completed according to the current CEC specifications and diagrams/blueprints provided the morning of competition. Quality of work, including neatness, and compliance with rules and regulations will be evaluated.

4. Number of Stations / Competitors

12

5. Knowledge, Skills and Abilities to be Assessed

Throughout the final contest, contestants can expect to be evaluated in the following areas:

- Installation of residential wiring
- Installation of device boxes
- Installation of branch circuit wiring
- Installation of commercial wiring
- Panel tie in
- Installation of heating equipment and controls
- Installation of motor control
- Print reading and document use
- EMT Conduit installation
- Installation of electrical devices
- Installation of electrical devices in drywall
- Installation of low voltage control
- Install of trim work (switch plates, panel covers)
- Safe work practices

Tasks that may be performed during the contest

Contestants must demonstrate mastery of the following technical skills:

- Measuring and marking dimensions on a work surface using scale plans and drawings based on the metric or imperial measuring system.
- Measuring and accurately marking the location of outlets, switches and panel boards
- Installation of residential circuits
- Installation of extra low voltage control
- Installation of residential heating system
- Installing electrical equipment, cables, conduit, tubing and raceways.
- Measuring and bending conduit
- Reading, interpreting and executing plans, drawings, diagrams and schematics in compliance with the current addition of the CEC
- Installation of basic motor controls
- Installation of a panel board

6. Prerequisites

- Measuring and marking dimensions on a work surface using scaled drawings.
- Installing electrical equipment, cables, conduit and raceways.
- Measuring, cutting, reaming, and drilling.
- Assembling components using screws, staples and bolts.
- Wiring and connecting of electrical components.
- Read, interpret and execute plans, drawings, diagrams and schematics in compliance with standards.
- Knowledge of safe work practices
- Knowledge of electrical materials.
- Knowledge of basic electrical circuits.
- Knowledge of OH&S standards and regulations.
- Knowledge of the 2024 Canadian Electrical Code requirements

7. Required Equipment and Clothing

Appropriate, professional clothing (no shorts or ripped pants or sleeveless shirts), a Skills Canada - Nova Scotia T-Shirt will be supplied the morning of competition that the competitor will be required to wear during the competition.

CSA approved steel toe boots or shoes

CSA approved eye protection

Appropriate Work pants

Work gloves

a) What Equipment Will Be Supplied:

- EMT Benders
- Cordless Drills and Drivers

b) What Competitors Must Supply

-All basic hand tools including but not limited to screwdrivers, various pliers, knife (must be either a locking blade or straight blade, absolutely no razor/box cutting knives), hammer, hack saw, metric/standard tape measure, level, drywall saw **driver bits and sharp auger bits** or spade bits, pencil, Canadian Electrical Code 2024 and PPE

8. Evaluation and Judging Criteria

POINT BREAKDOWN	/ 100
Safety (Electrical and Personal)	15%
Housekeeping	5%
Competition Installation	80%
TOTAL	_____ / 100

9. Additional Information

This competition begins promptly at 7:15 am, please allow yourself time to find parking and make your way to your competition area.

10. PTC Contact Information

Name	Employer	Email
Robert Mckendrick	NSCC	Robert.mckendrick@nsc.ca
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