



2012 Nova Scotia Skills Competition

Official Competition Name: **Electrical Installations & Industrial Wiring**

Competition Level: **Post Secondary**

Competition Location: **NSCC Waterfront Campus**

Competition Date: **April 5, 2011**

Purpose of Challenge:

To assess the competitors; knowledge, skills and abilities associated with tasks related to all aspects of the electrical wiring trade, with **high regard to the aspects of quality, workmanship, and accuracy of work.**

Number of Stations:

12

Specific spots allotted to Campuses and Apprentices:

School/Campus/Apprentice	Number of available spots
Cumberland Campus	1
Institute of Technology Campus	2
Kingstec Campus	3
Lunenburg Campus	1
Shelburne Campus	1
Strait Area Campus	2
Apprentices	2

Skills and knowledge to be tested:

- Competitors are expected to show a proficiency in all aspects in the field of electrical installation and wiring. Students are expected to be well versed in the safe and proper trade practices used in today's construction industry.
- Safety
 - An awareness of safety and safe working conditions must be maintained at all times
 - Personal Protective Equipment (PPE) must be worn at all times
 - C.S.A. Approved hard hat
 - C.S.A. Approved steel toe boots (*green patch)
 - Safety glasses/eye protection (*prescription glasses must have side shields or be covered with safety goggles).
 - All clothing must be clean, neat and tidy, with no unsightly stains, patches, rips or tears.)

Prerequisites:

- Enrollment in a secondary/post-secondary Electrical Construction & Industrial program

OR

- Registration in the apprenticeship Electrical program

Equipment, tools, supplies, clothing:

Provided by competitor:

Safety Hat (As per above specs)	Safety Foot wear (As per above specs)
Eye Protection (As per above specs)	Cordless Drill c/w wood bits & screw tips
Pouch, tool bag or tool box	CEC (Latest edition)
Voltage Tester/ Multi-Meter	Measuring tape (Imperial/Metric)
Pencil	Level
Lineman Pliers 8" or 9"	Diagonal Cutting pliers
Needle Nose Pliers	Channel Lock Pliers
Adjustable wrench	
Robertson Screwdriver (#1-3)	½" EMT Bender
Flat Blade Screwdriver (Small)	Flat Blade Screwdriver (Medium)
Flat Blade Screwdriver (Large)	Phillips Screwdriver (Medium)
Hammer	Hacksaw c/w extra blades
Knife	Wire Strippers
Electrical tape	Instrument screwdriver

Provided by committee:

Drawing paper	Project working drawings
All materials, supplies and fixtures needed to complete the project	

Point Breakdown:

All competitors will be judged based on the following criteria:

- Observing applicable Occupational Health & Safety rules
- Observing the CEC (Canadian Electrical Code) regulations.

- Observing applicable Building Codes
- Interpretation of written and oral instructions from Captain.
- Ability to follow the plans, drawings and any specifications.
- Planning and organization of the work area.
- Verification of proper operation of units.
- Choice and use of materials and supplies

Full evaluation criteria will be set-out prior to the start of the competition by Provincial Technical Committee and judges.

Technical Committee Member and Judges:

- Marty Beattie (Chair)
- Brad Pineo
- Laurie Dauphinee
- Curt Goodwin
- Peter Gatza

Judges: TBA