

Attention Competitors

**At the 2005 Provincial Skills Competition
Safety is # 1**

**Each Event Area Will Have Safety Equipment
and Requirements That Competitors Must
Adhere To**

Important Must Read!!!!

**Competitors Must Meet All Safety Requirements
To Compete At The Provincial Skills Competition**

**Please Consult The Scope Document To
Determine The Safety Requirements For Your
Area**

**It Is Recommended That Competitors Check The
Scope Document To Ensure You Meet All Safety
Requirements**

**Scope Documents May Be Updated Until January
15th**

2005 Provincial Skills Competition

Scope Document

EVENT: ELECTRICAL WIRING	LEVEL: SECONDARY
START TIME: 9:00 AM, APRIL 8, 2005	LOCATION: SIAST PALLISER CAMPUS RM. 7.106
INTERNATIONAL TRADE #: 18	DURATION: 6 HRS

SAFETY REQUIREMENTS: Competitors are required to follow all industry safety standards during the competition.

PURPOSE OF THE CHALLENGE:

To evaluate competitor’s abilities and techniques to perform specific electrical wiring tasks.

WRITTEN TEST:

NO

PRACTICAL TEST:

The competition will consist of the installation of electrical devices employing various wiring types and methods. The assigned task will require a working knowledge in any or all of the following aspects relating to electrical wiring:

1. Compliance of Occupational Health and Safety Regulations
2. Proper use of all tools, materials and equipment that are used in the installation.
3. Application and interpretation of the Saskatchewan Electrical Safety Code.
4. Installation of single and multiple point lighting switching circuits.
5. Installation of all types of outlet boxes and related equipment and devices.
6. Basic knowledge of various wiring methods (Non metallic sheathed cable, armoured cable) and circuits in the low voltage (31 to 240V) and the extra low voltage (less than 31V categories).
7. Trouble shooting of the installation if any problems arise.

EQUIPMENT, TOOLS, SUPPLIES, CLOTHING:

Competitor Must Provide:

CLOTHING REQUIREMENTS:

Competitors must provide the following:

1. Long sleeve work shirt, trousers or overalls. (Blue jeans are acceptable).
2. Prescription glasses must have side guards or safety goggles must cover them.
3. CSA approved, safety toed footwear

The following items will be provided but competitors may choose to bring their own if desired:

1. Safety glasses or safety goggles (CSA approved).
2. Hardhat (CSA approved).

TOOLS:

The tools listed below are required to do the assigned tasks. All other required equipment/materials will be supplied.

- Needle-nose pliers
- Claw hammer
- Multimeter/Tester
- Adjustable pump pliers
- Tool pouch/box for tools
- Robertson screw drivers (1 red, 1 green handle)
- Philips screw driver
- Diagonal pliers
- Wire strippers
- Electrician's knife
- Flat-blade screw drivers (small and large)
- Linesmen pliers
- Hacksaw

JUDGING CRITERIA:

The competition is not a race against time, therefore there are no additional points given to competitors who finish early.

Competitors scoring will be based on the following:

- Observing applicable Occupational Health and Safety regulations.
- Installation that conforms to Canadian Electrical Code regulations.
- Ability to follow plans, drawings and specifications.
- Installation techniques
- Use of materials and supplies.
- Workmanship.
- Interpretation of written documentation regarding assigned tasks.
- Verification of proper circuit operation.
- General knowledge of theory and practice.

COMMITTEE MEMBERS:

Jim Martin
Norm Walker
Bill Grosskleg

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