

# Provincial Scope Document

## Precision Machining (*Post Secondary*) 2010

**Contest Length: 6 hrs Check in time: 8:30 Orientation: n/a Contest Start: 9:00**

### **Purpose of the Challenge:**

TO TEST THE KNOWLEDGE AND SKILL OF EACH COMPETITOR IN THE AREAS OF;

1. Read Engineering Drawings
2. Precision Lathe Operation
3. Precision Milling Operation
4. Quality Inspection

### **Skills & Knowledge to be Tested:**

1. Manually machining using Lathe and Milling machine to produce precision part to meet specification on engineering drawing.

### **Specific Requirements:**

Competitors are expected to dress in an appropriate manner with their own safety glasses, work boots and coveralls or shop coat. (Without company or school logo)

### **Equipment / Tools / Materials**

Provided by the competitor; Personal protective equipment only, no tools or equipment. Provided by the committee; All required components, tools and equipment.

### **Judging / Distribution of Marks**

Lathe operation and machining 50 %  
Milling operation 50%

Note; in case of a tie in this competition, the competitors will write a 25 question theory test for an additional 25 %.

### **Technical Committee**

James Cai BCIT Technical Chair [james\\_cai@bcit.ca](mailto:james_cai@bcit.ca)  
Don Babineau - Thomas Skinner  
Gary Markham - Route Canada Inc.  
Andy Hoffmann - BCIT

**Gold medal winners at the BC Skills Competition are eligible to compete at the Canadian Skills Competition May 20 -23, 2009 in Charlottetown, PEI.**

**Skills Canada BC reserves the right to update contest information. Please check the website for changes.**