

**SkillsUSA 2010-11 District 10 Competition  
Bradford Area High School  
January 16, 2012**



**Competition Title**

Precision Machining Technology

**Clothing / Safety Requirements**

Safe work clothing with no visible name or school  
Safety glasses  
Safety shoes/boots

**Eligibility**

Registered SkillsUSA members enrolled in a corresponding program

**Tools / Materials Supplied by Contestant**

Safety requirements listed above	
Machinery's handbook	Pencil
Scientific calculator	.500 diameter Edge finder
0 - 6" Vernier or dial caliper	Mill smooth and 2 <sup>nd</sup> cut files
File card	Soft hammer
Center gage	0 - 1" Outside micrometer
1"- 2" Outside micrometer	0 - 1" Depth micrometer
1"- 8 Screw thread micrometer	Tool Bits
Contestant may also bring any special tools they may want to use	

**Equipment**

**Lathes:**

Sharp 1340F

**Mills:**

Sharp LMV – 50  
Bridgeport –Series I

**Scope of the Contest**

Written Test will be limited to:

- **Precision Machining Technology**  
By Hoffman, Hopwell, Janes, Sharp Publisher Delmar Cengage
- **NIMS Measurement, Materials, and Safety**

**Performance Test will be limited to:**

1. Lathe – Turn and Thread
2. Mill – Step and Slot

**2011-2012 SkillsUSA Championships Technical Standards Competencies: PMT 6.0, PMT 7.0, PMT 9.0, PMT 10.0, PMT 11.0**

**See Score Card Attached**

**Contact information:**

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