Computer Maintenance Technology (CMT)

Regional Competition Form 9 A-I

Competition Date: March4, 2025

Contest: Computer Maintenance Technology (CMT)

• Closely follows National Competition for information see: http://skillsusa.org/conests.html Eligibility: Open to active Skills USA members enrolled in programs with computer maintenance technology, electronic product servicing, intro to networking technology, or electronics technology as the occupational objectives.

Contest Site: Alfred State College Campus, Bldg. to be determined.

Chairperson: Stephen Hoyt Chairperson's School: Coopers Education Center

* Telephone: 607 654 2244
* E:MAIL: sthoyt@gstboces.org

CMT RATING SHEET

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| --- | --- | --- |
| Items Evaluated | Possible Points | Contestant's Points Scored |
| Online Exam (representative of the A+ Cert. Exam -multiple choice) | 50 |  |
| Hardware Troubleshooting &Safety Practices | 30 |  |
| Operating Systems (setup and/or troubleshooting and/or demonstrating knowledge/use of Troubleshooting utilities) | 30 |  |
| Basic Networking (HW, TCP/IP addresses, Wireless/wired, Cable Identification) | 30 |  |
| Professionalism and Customer Interaction (Help desk) | 35 |  |
| Computer Assembly Practical | 25 |  |
|  | Tie breaker:(Professionalism and Customer Interaction) |  |
| TOTAL | 200 |  |

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2. The contest will consist of two major parts: The first part will be a computer-based exam of 50 to 100 questions. This exam will be representative of the CompTIA A+ Certification Exam. The Second part will be a series of workstations through which each contestant will rotate on a fixed time schedule to set up/troubleshoot both hardware, software, basic network problems, as well as perform customer service. The software problems will relate to operating systems and may require interaction between the contestants and the judges.

3. Contestants will demonstrate their ability to perform jobs or skills selected from the following list of competencies as determined by the National Skills USA Championships Technical Committee:

1. Demonstrate proper customerinteraction skills.
2. Diagnose and service personal computer systems to the module level.
3. Diagnose and resolve software problems within the computer.
4. Locate and identify defective modules within the computer chassis.
5. Demonstrate ability to load and use appropriate software including hardware drivers.
6. Properly identify and solve basic networking issues.

Properly install, configure, and demonstrate proper operation of devices within the computerchassis(motherboards, hard drives, CD-ROM drive, Bluetooth attachments, network cards, cabling, etc.).

4. Winners will be determined based on their total scores.

5. Specific penalties will be assessed for the failure to properly utilize anti-static straps at all times when in contact with the computers, and the introduction of computer viruses or destruction of computer hardware within the contest computers. Penalties will be assessed at one point or more per occurrence.

ALL suggestions on ways to improve this contest are welcome. They should be in writing and willbeconsidered. A written response to all suggestions will follow.

**Purpose:** To evaluate each contestant's preparation for employment and to recognize outstanding students for

excellence and professionalism in the field ofcomputer maintenance/networking&the troubleshooting technology.

**Clothing requirements:** Black pants, white shirt,(Polo or Dress). No open toed shoes.

**Eligibility:** Open to active Skills USA members enrolled in programs with Computer Maintenance

Technology, Intro to Networking,Electronic Product Servicing, or Electronics Technology as the occupational objectives.

**Equipment and Materials**: Anti-static wrist strap w/alligator clip end.

1. Supplied by the Technical committee: All tools, materials, schematics, and equipment required for this competition. (Student should bring anti-static wrist strap.)

The scope of the contest will be consistent with the industry standards as outlined by the Computer Technology Industry Association (CompTIA) A+ Certification Examination www.comptia.org.