

Internetworking

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of internetworking.

Testing: There will be a one-hour written internetworking test and a three-hour LAN/WAN skill test. All contestants need technical knowledge of CISCO Routers.

Clothing: SkillsUSA dress or business-like attire; no school names may be displayed on any apparel.

Contestants: 1 contestant from each school that has registered for this contest on the regional registration form.

Tools/equipment to be provided by contestant:

All tools will be provided. Contestants should bring laptop computer and 2 sharpened pencils.

Laptop to be provided by contestants:

Pentium or better Processor

2 GB Hard drive or better

Mouse

Serial port and/or USB to Serial adapter to connect console cable for all laptops

CD-Rom Drive (optional)

Network Interface Card (Ethernet or Fast Ethernet)

Note: All laptops should be checked for viruses and hyperterminal and ethernet connection.

Software required on PC:

Windows XP, VISTA, or Windows7, HyperTerminal, Telnet, a web browser (Netscape or IE 6.0 or better)

Tools/equipment to be supplied by technical committee:

1700/1800/2600 Cisco Routers with Version 12.X IOS

Punch Tool - type 110

2500 Switch

Stripper

Patch Cables

Category 5/5E/6 Cable

Serial adapter - RJ 45 to 9 or 25 pin as required by PC

Patch Panel

Console Cable

RJ45 ends

DCE v. 35 Serial Cable
RJ45 Crimper
DTE v. 35 Serial Cable
Faceplates
Surge Suppression Power Strip
Keystone Jacks
Extension cords
Electrician Scissors
Fluke Cable Tester
Scratch paper

Scope of the Contest

The contest will be judged based on the criteria established in the 2010 SkillsUSA Championships Technical Standards.