



# Internetworking

## Career Competition

**Career Cluster:** Information Technology/Business Management and Administration/Finance

**State Qualifying Exam:** Yes

**National Contest:** Yes

**Participation:** Individual

### Competition Description

This competition consists of four main parts. The end-to-end networking portion tests students' ability to develop a usable network given a set of networking equipment that meets or exceeds the documentation provided. The troubleshooting portion tests students' ability to troubleshoot and correct issues in an already existing network. The online written portion tests the students' complete knowledge of internetworking concepts. And lastly, the technical assistance call tests the student's ability to troubleshoot network systems and to deliver customer service.

### Tasks To Be Evaluated

End-To-End Network Configuration, Troubleshooting, Technical Assistance Call, and Online Technical Exam.

### Clothing Requirement

**National Requirement:**

**Class E:** Competition Specific: Business Casual Attire

- Official SkillsUSA white polo shirt
- Black dress slacks or black dress skirt (knee-length minimum)
- Black, closed-toe dress shoes.

**State Requirement:**

National Requirement OR

- White polo shirt or button-down dress shirt (other colored polo/dress shirt will be subject to deductions)
- Black dress slacks or black dress skirt (knee-length minimum)
- Black, closed-toe dress shoes.
- Any embroidered names or school patches must be covered, if applicable.

### Provided by Competitor

- A laptop with ethernet and wireless connections and COM port (serial DB9 part or USB to DB9 adapter) - Laptop charger required
- Console cable (DB9 to rollover RJ45 or USB to rollover RJ45)
- One page resume

### Provided by Technical Committee

- Cisco routers, switches and equipment not listed as supplied by the competitor