

## (300) Computer Network Technology

Certiport Parental Consent Form  
**REQUIRED**

### Description & Eligibility

Demonstrate knowledge in fundamental networking concepts including network architecture, standards, topologies, protocols, and security. Any postsecondary or secondary division contestant may enter this objective event.

### Contestant Must Supply

- Published and/or unpublished non-electronic written reference materials.
- Cordless calculator: Electronic devices will be monitored according to ACT standards. See NLC Calculator Guidelines. Contestants who violate this rule will be *disqualified*.

### Equipment/Supplies Provided

- Computer and software

### Competition Notes

- Method of evaluation: objective.
- Previous Business Professionals of America tests and/or sample tests (handwritten, photocopied or keyed) may not be taken into the testing area. **Violation of this rule will result in disqualification.**
- At NLC, contestants will take IT Specialist Networking certification as part of the event. Contestants passing this certification will have 50 points added to their event score. A Certiport profile must be created at [www.certiport.com](http://www.certiport.com) before attending NLC. Contestants must include their BPA contestant ID in their Certiport profile when they register. For more information on the exam, visit [www.certiport.com](http://www.certiport.com). Reference materials are not allowed for certification testing.
- The top 10 contestants at Nationals will advance to a final round that includes a hands-on component. Scores from the preliminary round and the objective test will not carry over to the finals. Reference materials may be used during the application portion of the final round.
- Length of event
  - **Preliminaries** - No more than sixty (60) minutes for objective test, no more than one hundred twenty (120) minutes for certification test
  - **Finals** - No more than sixty (60) minutes for hands-on tasks
- Entries vary by state.

### Contest Competencies

- Demonstrate knowledge of OSI and TCP/IP subnetting and routing
- Demonstrate knowledge of IPv4, IPv6
- Demonstrate knowledge of network adapters, network cabling, switches and routers, proxies, and firewalls
- Demonstrate knowledge of network connectivity, troubleshooting, protocols, and administrative utilities
- Demonstrate knowledge of DNS
- Demonstrate knowledge of Cloud and Virtualization
- Demonstrate knowledge of WINS, DHCP
- Demonstrate knowledge of remote access protocols
- Demonstrate knowledge of network operating systems and clients
- Demonstrate knowledge of directory services
- Demonstrate knowledge of home wireless technologies

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