



2020 State Contest

CYBERSECURITY

Description

The contest is defined by industry standards as determined from elements of the NIST Publication 800-181 CyberSecurity Workforce Framework Categories that include Securely Provision (SP), Operate and Maintain (OM), Protect and Defend (PR).

Note: Please check the provided links for updated contest information and the SkillsUSA National Technical Standards

- [SkillsUSA Championships Technical Standards](#)
- [Contest Updates](#)

Cyber Security Exam

The exam will be based on CompTIA Security+ Exam.

Mobile Security:

Teams will be given a virtualized Android OS that they must find flags.

Penetration Testing:

Teams will be given two systems they must launch penetration tests against to find hidden flags.

Digital Forensics:

Teams will be given a system to search for and find flags within a virtual machine and image files.

Contest Guidelines

The contest requires a team or tactical unit of two: Each will have to display equivalent subject matter expertise in all competency areas.

All SkillsUSA California contest projects are subject to change due to any unforeseen facility, staffing or site-related issues. Please use these materials as a reference to prepare students for the potential contest project. SkillsUSA California regional and state contest projects are developed by state technical committee members to align with the national technical standards.



Skills Performance

This portion of the contest will be a series of Provisioning, Testing, Deployment, Operational and Maintenance, and Protection and Defensive procedures with the end goals set by the technical committee.

The competition consists of several activities. Contestants must successfully complete assigned tasks. The tasks are designed to provide a variety of CyberSecurity challenges based on the recommended best practices of the industry. Identical tasks are used in high school and college/postsecondary categories.

Clothing Requirements

Class E - Casual Attire

Official Attire for Men:

- Official SkillsUSA white polo shirt
- Black dress slacks (accompanied by black dress socks)
- Black dress shoes

Official Attire for Women:

- Official SkillsUSA white polo shirt
- Black dress skirt (knee-length) or black dress slacks
- Black or skin-tone seamless hose
- Black shoes

[Clothing Classifications](#)

Equipment and Materials Supplied by the contestant

Each team of two MUST bring their own wifi-enabled laptop computers of any kind (Windows, Mac, Chromebook, Linux) in order to participate in the Cybersecurity competition at the Regional Competition and State Conference.

Supplied by SkillsUSA

Contest room with extra outlets

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