INTERNETWORKING
(Virtual)

Contest Description

The contest is defined by industry standards-based off elements of the CCNA Certification via hands-on evaluation. The networking design problem tests a contestant's ability to design functionality, scalability, adaptability, and manageability of an internetworking system.

Regional Competition

Duration: 3 hours

Students will compete in this <mark>competition live on January 30, 2021</mark>. Students should be ready at their scheduled time. The contestant schedule will be emailed to the advisor/contestants by Friday, December 11, 2020. Changes cannot be made to scheduled time slots.

Skills Performance

The contest may include but is not limited to the following assessments:

- **Design problem:** Contestants will be evaluated on their ability to assess, and correctly configure a network that meets specific requirements.
- **End-To-End Networking:** Given a virtual networking environment, which emulates a set of networking equipment (cable, fiber, hubs/switches routers, etc.), the students must in a finite amount of time, install or repair a network and demonstrate that the installation properly runs internet applications. Given a logical topology and network requirements, the students will be able to develop a usable network that meets or exceeds the documentation provided.

For more information please visit baycyber.net/skillsusa to prepare for the event. Students and advisors can join our Discord server: https://discord.gg/sbedtxxhyr

Student Materials List

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.

- Each contestant MUST have their own Internet connected laptop or desktop computer of any kind (Windows, Mac, Chromebook, Linux)
- Each contestant MUST have a Cisco Networking Academy account in order to participate.

Clothing Requirements

Official Dress is NOT required for the Regional events. Clothing must be unbranded with no words, images, or logos. SkillsUSA or SkillsUSA California attire is recommended.

Note: Check the Contest Guidelines and/or the updates page on the SkillsUSA and SkillsUSA California website:

- **www.skillsusa.org/compete/updates.shtml**

- **https://www.skillsusa.org/competitions/skillsusa-championships/contest-descriptions/**
- **https://www.skillsusaca.org/competitive-events-2**