



Heating, Ventilation, Air Conditioning & Refrigeration (HVACR) Architecture and Construction

Skilled and Technical Sciences Contests Contest Information

State Qualifying Exam: Yes

National Contest: Yes

Participation: Individual

Contest Description

Competitors are tested in brazing, refrigerant component service, air measurement and troubleshooting, refrigerant recovery and electrical troubleshooting. A written exam will also be taken.

Tasks To Be Evaluated

Contestants will perform tasks in multiple stations. Tasks will include troubleshooting, electrical testing and brazing.

Clothing Requirement

National Requirement:

- Official SkillsUSA khaki work shirt and pants; black, brown or tan leather work shoes; and safety glasses with side shields or goggles.
 - Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.

State Requirement:

- National Requirement or similar "like" clothing with black, brown or tan leather work shoes; and safety glasses with side shields or goggles.
 - Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.

Supplies Provided by Technical Committee

The host school has typically provided the equipment for use in the troubleshooting tasks and the equipment and materials for brazing.

Supplies Provided by Contestant

Safety glasses, gloves and multimeter for electrical testing.

Additional Information

Contestant work through a variety of stations and will sometime move rapidly from one to another and at other time there may be a significant wait in between. The schedule does make for a long day and contestants need to stay focused until the end.

Contestants are not allowed to have cell phones, tablets, laptops or any other electronics in the contest or waiting area. HVACR related technical books, manuals or magazines are allowed. Non HVACR related reading material is allowed in the waiting area.