



## *Heating, Ventilation, Air Conditioning & Refrigeration (HVAC)*

## Career Competition

**Career Cluster:** Architecture and Construction

**State Qualifying Event:** Yes

**National Contest:** Yes

**Participation:** Individual

### Competition 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

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

### Clothing Requirement

#### National Requirement:

#### Class C: Competition Specific —

#### Manufacturing/Construction Khaki Attire

- Official SkillsUSA khaki short-sleeve work shirt
- Khaki pants
- Black, brown or tan leather work shoes

#### State Requirement:

#### National Requirement OR:

- Khaki short-sleeve work shirt
- Work pants of any kind are acceptable dress (no jeans)
- Black, brown, or tan leather work shoes.
- Any embroidered names or school patches must be covered, if applicable.

### Provided by Competitor

- Safety glasses
- Gloves
- Multimeter for electrical testing

### Provided by Technical Committee

- Equipment for use of the troubleshooting tasks and the equipment and material for brazing.



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**Additional Information**

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

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