



2026 INDIANA SKILLSUSA CHAMPIONSHIPS TASK AND MATERIALS LIST

SKILL OR LEADERSHIP AREA: _____ HVACR

CONTEST LOCATION:

Carrier Corporation
7310 W. Morris St.
Indianapolis, IN 46241

DATE: Saturday April 11, 2026

TIME: 6:00 am concessions open

6:45 am load bus

7:00 am bus leaves West Pavilion

7:30 am arrive at Carrier

7:45 am be in contest area

8:00 am contest begins

CLOTHING REQUIREMENTS:

*NO SCHOOL LOGO OR SCHOOL AFFILIATION ANYWHERE ON CLOTHING or IT MUST BE COVERED COMPLETELY. *** SEE BELOW ****

AWARDS CEREMONY DRESS CODE

A Dress Code will be enforced during the Awards Ceremony. To accept an award "on-stage", the student must wear the "Official SkillsUSA Uniform", State T-Shirt or the competition attire. NO SHORTS OR HATS!!!

EACH COMPETITORS MUST PROVIDE A 1 PAGE RESUME, FRONT ONLY, AT THE BEGINNING OF THE CONTEST, THERE IS A 10 PT. DEDUCTION IF ONE IS NOT TURNED IN AT THIS TIME. NO SLEEVE PROTECTOR OR FOLDER.

Location

Carrier Corporation, 7310 West Morris Street, Indianapolis, Indiana, is located at the northwest corner of Girls School Road and Morris Street. The competition will be held in the Residential Engineering Design Center from 8:00am. To 12:00pm. The Design Center is the smaller of the two buildings. All contestants are to be prompt and arrive at 7:30am.

Purpose

This competition is to select the very best individual(s) to represent the state of Indiana at the national competition. This is not an evaluation of instructors' methods or the curriculum of a school's program.

Conduct

Required conduct and attire is outlined in SkillsUSA Technical Standards. We do not require the SkillsUSA official white uniform, but all contestants will be required to dress and conduct themselves in a professional manner.

The following items will be prohibited by students:

- use of tobacco products while on Carrier property

- use of cell phones, pagers, or PDAs
- loose clothing that may be caught in machinery
- clothing which advertises alcohol or tobacco products
- clothing with vulgar characters or language
- clothing that indicates program or school affiliation

Safety

Contestants **must have and wear safety glasses** in all Skills lab areas. Points will be deducted if safety glasses are not worn. Tinted safety glasses must be worn for the brazing exercise, per Carrier's Safety Policy. These tinted glasses will be provided by Carrier for the students to use during the event. Students should practice brazing using similar tinted glasses before the day of contest to get acclimated.

Gloves will be provided in competition areas where they are considered a safety requirement.

Steel shoes must be worn in some contest areas. If the contestant does not have steel toe shoes, steel toed boot covers will be provided.

Points will be deducted if basic safety rules are not observed.

Skills

Any instructor on site during the competition will need to remain outside of the competition areas during the contest. They will be offered a tour of the facility before the students compete.

1) Written examination (10%, in addition to the online test, 30 minutes)

2) Airflow Measurement (30% of overall score, 30 minutes)

Measure airflow of a Fan Coil (Electric Furnace) using one of the following methods: Temperature Rise or Static.

3) Brazing exercise (30% of overall score, 45 minutes)

Braze (Oxygen/Propylene) diagrammed tubing assembly to scale using standard installation fittings and copper tubing. Torches will be set for the students if needed.

4) System Troubleshooting:

Cooling (15% of overall score, 15 minutes)

Heating (15% of overall score, 15 minutes)

Student must have understanding of troubleshooting residential air conditioning/refrigeration and gas furnace systems.

Tools

Carrier will provide all tools necessary to complete each event for the students. However, the students will still be allowed to use their own tools, should they deem it necessary. No points will be deducted for lack of tools on the student's behalf. Event judges will instruct the student on how to use a particular tool or piece of equipment if needed (for example, a volt-meter, temperature probe, or torches).

Torches using oxygen/propylene (similar to oxygen /acetylene) will be used for the brazing event. Contest judges will light the torch for students if necessary before the exercise begins.

Awards

Scores for the Heating, Ventilation, Air Conditioning and Refrigeration event will be announced during the awards ceremony and not at the competition site.