



Internet of Things Contest Information (formerly called Residential Systems Installation)

**NO SUBSTITUTIONS WILL BE ALLOWED AFTER FRIDAY, MARCH 28, 2025
THERE WILL BE NO SUBSTITUTIONS ALLOWED ON-SITE AT THE
CONFERENCE***

Last modified February 20, 2025

TIME/DATE/LOCATIONS

Contest will be held Monday, April 28, 2025 at Tulsa Technology Center Riverside Campus in Hanger B SE of MD80

Contestant Meeting will be held in the contest area at Tulsa Tech Riverside Campus, 2:00 PM on Sunday, April 27, 2025.

LUNCH

Lunch will be provided to contestants and is part of contest fees.

TESTING

Contestants will be judged on their SkillsUSA knowledge through the Professional Development test and knowledge test. Testing will be completed online and proctored through their technology centers. Online testing opens March 14, 2025, and closes April 4, 2025. No provisions are being made for make-up testing on-site.

RESUME- Change to submission type please for 2025 please read

All contestants will submit a digital resume prior to contest day. Contestants will receive an email to the address used to register the contestant for contest with instructions and link to access the SkillsUSA Competitor Portal page. The email will



Internet of Things Contest Information (formerly called Residential Systems Installation)

contain contestant's username and contestant number, which are required to login to the Competitor Portal.

Deadline to submit resume is April 22, 2025

CONTEST ATTIRE

There will be drilling and construction type work during the competition, so contestants can wear school appropriate clothing during the competition on Monday, April 28, 2025. No identification on clothing to contestants' school or name.

Official Attire for IOT:

- Skills USA White Polo Shirt (Tucked In) or
- White Button Up Shirt with a tie, or white blouse for females, with the SkillsUSA Red Blazer.
- Black Slacks
- Black Belt
- Black Socks
- Black Dress Shoes

SUPPLIED BY THE TECHNICAL COMMITTEE

Mock walls for Wifi Thermostat and equipment to be installed on contestant walls.

SUPPLIED BY THE CONTESTANT

Contestants will need to bring the following tools and materials:
Required Tools (Not to be shared among contestants):

- Safety Glasses



Internet of Things Contest Information (formerly called Residential Systems Installation)

- Laptop Computer w/RJ-45 NIC Port (Needed to configure SOHO Device) w/ charged battery and charger
- Cordless Electric Drill and 2 batteries that are fully charged & charger
- Drill index set (Range 1/16" to 1/2") twist drill bits
- Screw Driver Set (Flat Tip, Phillips, & Torx) Sizes #1 & #2
- Nut Driver Set or SAE Hex Socket/Ratchet Set
- Torpedo level
- Tape measure 25'
- 12' to 24' 3 Prong Electrical Extension Cord
- Marking pencil to mark holes to be drilled or cutouts
- Roll of Electrical Tape (Black)
- Electrician's Scissors
- Wire Strippers (12-20 AWG and 20-26 AWG)
- Small Needle Nose Pliers
- Small Diagonal Cutters
- Linesman Pliers
- RJ-45 crimper of contestant's choice (Yes, you can bring EZ-RJ45's)
- 110 Punch-Down Tool
- F-Type Connector Tool (similar to Ideal Tools model 35-046)
- F-Type Compression Crimper (must work with F-Type compression connector you bring)
- 2-Step Coaxial Stripping Tool
- UTP Cable Continuity Tester (for testing your Cat5e or Cat6 cables for basic continuity)
- Multi-Meter w/continuity setting or F-Type Cable Tester (for testing your RG-6 Coax cable for basic continuity)
- Contestant Wall, specs are located on page four of this document.
- Bottled Water and Snacks (It's going to be a long day and you're going to get thirsty and hungry)
- Band-Aids

Consumable Items Supplied by Contestant (Not to be shared among contestants):

- RJ-45 Connectors (Qty. of 6) Yes, you can bring EZ-RJ45's if you so choose
- F-Type Compression Connector (Qty. of 6) needed for RG-6 Quad shield Coax Cable
- 12" Long Plastic/Nylon Zip Ties (Qty. of 10)

Additional Items: Any other tools the contestant chooses to bring is solely up to them.



Internet of Things Contest Information (formerly called Residential Systems Installation)

CONTEST GUIDELINES

The contest will consist of an online SkillsUSA (PDP) knowledge test, online written test covering knowledge of Home Technology Integration principles and installation of smart home devices and infrastructure.

Specific scores:

Antenna Installation	100 pts
Structured Cabling/Grounding	200 pts
SOHO Device Install	100 pts
Ring Door Bell	100 pts
A/C Plug and Light	100 pts
WIFI Thermostat	100 pts
Amazon Dot	100 pts
Overall Finish & Follow-up	75 pts
Written Test	100 pts
	25 pts

PDP Test

CONTEST DESCRIPTION AND SCORING

The written test will contribute 10% to the overall score, 87.5% for functionality and installation of equipment. The SkillsUSA PDP test will be 2.5% of the overall total.

INDUSTRY AWARDS

Each instructor is requested to secure prizes for each student that you bring to the State SkillsUSA Championships. Please contact your **Awards Chairman** for details and to



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let him/her know of industry awards you have secured. These awards should be labeled with the name, address, and contact person for the donating industry so that the contestant they are awarded to can send an appropriate expression of his or her appreciation.

***** Prizes are the responsibility of the individual contests. Prizes are not guaranteed and are not supplied at the SkillsUSA Oklahoma state level.**

Please contact the chair with prizes that will need to be checked in. **Each participating school is expected to furnish an industry award.** Industry awards should be labeled with the name and address of the award supplier so that an appropriate "Thank you" may be sent, must be accompanied by an *industry award donation information sheet* (available on the Oklahoma SkillsUSA website). **Please bring prizes to the industry awards area at the Arvest Convention Center Conference Hall, Sunday, April 27th between 12-4pm or Monday, April 28th between 8am-4pm.**

AWARDS CEREMONY

Winners will be recognized at the General Session on Tuesday morning, April 29th, at 9am. All competitors must wear official SkillsUSA dress to the Awards Session, where winners are announced. Competitors who are not dressed appropriately or lack official attire will be denied access to the awards stage. Students must be present when their contest is announced. If a student is improperly dressed, absent, or misses their contest being called, the production will not be paused for any reason, and they will forfeit their opportunity to go on stage to receive the award. No exceptions will be made. No hats or sunglasses will be allowed to be worn on stage.

- Official dress for men: Official blazer, jacket or sweater; black dress slacks; white dress shirt; plain black tie with no pattern or SkillsUSA black tie; black socks and black shoes.

Internet of Things Contest Information (formerly called Residential Systems Installation)

- Official dress for women: Official blazer, jacket or sweater; black dress slacks or knee-length skirt with business like white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, and black dress shoes.

CONTESTANT WALL

