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

Last modified March 3rd, 2026

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Note: The competition location Tulsa Technology Center – Riverside Campus!

***Please double-check all registrations prior to
the deadline. This includes secondary versus postsecondary as well as contests*
*Contest will follow national technical standards unless otherwise stated in
the state memo.**

CONTEST FEES
In addition to the regular conference registration, there will be a contest supplies fee of
$25 for lunch. This fee will be added to the
contestant's registration when it is completed online.

CONTEST TESTING
Written testing for most contests will be held ON-LINE through your schools' Testing Liaison.
Testing will be open beginning Monday, March 16th.
The deadline for taking the on-line tests is Friday, April 3rd.
No provisions are being made for make-up testing on-site.
NO Substitutions will be allowed this year after March 27th
Contest will be held Monday, April 20, 2026 at Tulsa Tech Riverside.
See the State SkillsUSA Director's Memo for the policy on substitutions and late registrations.

Contestant Meeting will be held in the contest area at Tulsa Tech Riverside Campus, 2:00 PM on Sunday, April 19, 2026.

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

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- Black Belt
- Black Socks
- Black Dress Shoes

<mark>**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 20, 2026.</mark>

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
- 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)

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- 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) Lunch will be provided through registration fee.
- 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.

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

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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
PDP Test	25 pts

INDUSTRY AWARDS

***NEW 2026- ADVISOR MEDALS WILL NOT BE PROVIDED BY OKLAHOMA SKILLSUSA, BUT WILL BE AVAILABLE FOR PURCHASE IN THE SKILLSUSA STORE

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

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 awar d donation information sheet* (available on the Oklahoma SkillsUSA website). Please bring prizes to the awards area at
the Arvest Convention Center Conference Hall Sunday, April 19th between 12-4pm or Monday, April 20th between 8am-4pm.

Awards will be provided by Instructors.

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IPTION 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.

CONTESTANT WALL

NOTES:
A. 2 1/4" X 3 3/4" CUTOUT FOR ARLINGTON INDUSTRIES LV1 PROVIDED BY SkillsUSA CHAIRMAN.
B. FRAME TO BE REUSED EACH YEAR FOR STATE CONTEST. ONE FRAME FOR EACH COMPETITOR FROM EACH SCHOOL REQUIRED. REPLACE 24" x 24" PANEL EACH YEAR.

2x4 CONST. (TYP)

1/4" 24" x 24" PLY. SCREW ONLY. DO NOT GLUE, STAPLE, OR NAIL. PANEL MUST BE REMOVABLE

45° ENDS

14 1/2"

17"

24"

HANDLE OR ROPE

NOTE A

OKLAHOMA SkillsUSA STATE CONTEST
SMART HOME - IoT