

2026 OKLAHOMA SLSC STATE MEMO

Instrumentation and Process Control

**NO SUBSTITUTIONS WILL BE ALLOWED AFTER FRIDAY,
MARCH 27, 2026**

**THERE WILL BE NO SUBSTITUTIONS ALLOWED ON-SITE AT THE
CONFERENCE**

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.**

The 2026 Oklahoma SkillsUSA Instrumentation and Process Control contest will be held April 19-20th and will be hosted at the Arvest Center, 100 Civic Center, Tulsa, OK 74103

CONTEST FEES

In addition to the regular conference registration, there will be a lunch fee of \$25.00. This fee will be added to the contestant's registration when it is completed online.

CONTEST

The 2026 State SkillsUSA Contest will be held on Sunday, April 19th, at the Tulsa Arvest Center. Contestants need to check into their contest site at 12:00 pm on Sunday, April 19th, 2026.

REFERENCE MATERIAL

- Calibration: A Technician's Guide, Mike Cable, ISA
- Troubleshooting: A Technician's Guide, William L Mostia, ISA
- Loop Checking: A Technician's Guide, Harley M. Jeffery, ISA
- Start-Up: A Technician's Guide, Diane R. Barkin, ISA
- Instrumentation and Process Control, Franklyn W. Kirk, Thomas A. Weedon, Philip Kirk, ATP

RESUME

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 contain contestant's username and contestant number, which are required to login to the Competitor Portal. **There will be a 15-point deduction for not having it!**

CONTEST TESTING

Contestants will be judged on their SkillsUSA knowledge through the Professional Development test and a knowledge test based on their contest area, unless otherwise stated in the state memo.

Contestants will NOT be allowed to use cell phones or other electronic communication devices during the contest and will be disqualified for doing so.

LUNCH

A box lunch is included in contest registration/lunch fee for contestants. Also a box lunch will be provided for judges.

It is recommended to bring bottled water and snacks (energy bars, etc.) to tide contestants over until lunch

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.**

Instructors are requested to secure a minimum of \$50.00 in prizes for each student that you bring to the State SkillsUSA Championships. Please contact for details and to let Matthew.Maynard@francistuttle.edu know of industry awards you have secured. I know many of you have already been hard at work securing the awards. 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. **Please bring prizes to the awards area at the Arvest Convention Center Tulsa Ballroom on Sunday, April 19th between 12-4pm or Monday, April 20th between 8am-4pm.**

AWARDS CEREMONY

Winners will be recognized at the General Session on Monday night, April 20th, at 7pm, or Tuesday morning, April 21st at 9am. ***(please pick the correct awards ceremony for your contest)***

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 allow 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.
- 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.

Please see the National SkillsUSA [clothing guidelines](#) as needed

TOOLS AND SUPPLIES

Contestants will need to bring the following tools and materials.

- PLC with Analog Input and Output card for mA
- A Process DMM (ex Fluke 789)
- HMI or simulator on Computer

- Safety glasses
- If you have your own HART Communicator that will help but we will have some.
- #2 lead Pencils
- Snacks/Bottled Water

CLOTHING REQUIREMENTS

Official khaki short-sleeve work shirt and pants, black or brown leather work shoes, and safety glasses with clear lenses and 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.) **There will be a 15 point deductison for not have it!**

*Welding and Welding Fabrication Competitors require 100% cotton uniforms and wear the official khaki long sleeve work shirt

CELLPHONES AND OTHER SMART DEVICES

Cellphones, electronic watches and/or other electronic devices not approved by a competition's technical committee are NOT allowed in the competition area. Please follow the guidelines in each technical standard for approved exceptions. Technical committee members may also approve exceptions onsite during the SkillsUSA Championships if deemed appropriate.

CONTEST DESCRIPTION AND SCORING

The contest will consist of an online SkillsUSA (PDP) knowledge test, online written test covering knowledge of ISA body of knowledge for [CST Associate Certificate](#).

Calibration of Transmitters contestants will be observe on proper safety procedures when dealing with real process equipment, Establish communications with transmitters using a HART communicator and Process meter, Diagnose and fix devices to make them operate as expected, and Demonstrate knowledge of basic level, pressure, and temperature measurement principles.

Tuning a Control Loop-Contestants will be provided with a physical simulation and a P&ID. Contestants will be observed on interpretation of instrumentation drawings, Create a plc program and implement the logic for the Process, Tune the loop use PLC

software, and Commission the entire system to confirm correct operation. Plus have an HMI showing the process and be able to tune using it and time.

Tube Bending- Contests will be observed using hand tube benders, calculating bend offset lengths, maintaining spacing when making parallel tubing runs, making offset, rolling offset, parallel, complex, segmented bends, and proper termination to a connection.

Specific scores:

Calibration of Transmitters	100 pts
Tuning of loop	100 pts
Tube Bending	50 pts
Written Test	100 pts

The SkillsUSA PDP is 2.5% of the contest score.

The written knowledge test is 10% of the contest score.

The technical skills portion of the contest is 87.5% of the contest score.

The above scoring is consistent with the national SkillsUSA competition.

Safety Penalty -50 pts, Clothing Penalty -15 and Resume Penalty -15

ADDITIONAL INFORMATION

For additional information about state contest, please contact Matthew Maynard at 405-717-4914 or Matthew.Maynard@francistuttle.edu (Trade Chair), Ben Morgan (Program Specialist).

National Technical Standards can be found on Pathful, which you can access with your professional SkillsUSA membership. Technicals are updated periodically, please check regularly.

SkillsUSA Championship Coordinator- Missy Kaiser missy.kaiser@careertech.ok.gov

SkillsUSA State Advisor- Lauren Holmes lauren.holmes@careertech.ok.gov

Oklahoma SkillsUSA Office: 405-743-5400