



Aviation Maintenance Technology

Purpose: To evaluate each competitor's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of aviation maintenance technology.

On-Site/Off-Site	<ul style="list-style-type: none">▪ On-Site
Contest Date	<ul style="list-style-type: none">▪ 4/9/2024
Contest Location	<ul style="list-style-type: none">▪ Convention Center▪ A-Hall
Early/Normal Start Time	<ul style="list-style-type: none">▪ Normal Start Time▪ Registration will open at 8:00am. Please report to B-Hall Show Office for Registration. Competition will begin at 10:00am.
Contest Open/Closed	<ul style="list-style-type: none">▪ Open▪ Exhibit Halls do not open to observers until 12:00pm.
Eligibility	<ul style="list-style-type: none">▪ Schools may send three (3) competitor(s) per school (Building IRN) based on local competition enrolled in a program where the scope of the contest described in the SkillsUSA Technical Content Standards reflects a major component of the program. Please refer to the National Technical Standards for more eligibility details on this contest.
Competition Clothing (To be worn on Day 1)	Work/School Attire: <ul style="list-style-type: none">▪ Field specific work clothing required for the work environment or that matches the service conditions for the contest.

	<ul style="list-style-type: none"> ▪ This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants). ▪ Shoes or work boots with a hard sole and anti-slip properties. ▪ Clothing should be as such that it will not get caught in moving equipment or power tools. ▪ Professional attire worn in the classroom (school uniforms) such as a criminal justice uniform, chef attire, health scrubs, or cosmetology scrubs etc. may be worn if they meet the above requirements. ▪ Note: School identifiers and contestant names must be covered.
Safety Equipment Required	<ul style="list-style-type: none"> ▪ Safety glasses with 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).
Testing	<ul style="list-style-type: none"> ▪ Students should be prepared to take a written knowledge test with up to 100 questions.
Provided by Contestant (Tool List)	<ul style="list-style-type: none"> ▪ The SkillsUSA emergency medical form signed by a parent or guardian is required for participation. The contestant must carry the form in their contestant badge holder throughout the competition. ▪ Resumes are required and will be checked at registration and in the interview. ▪ Each contestant will supply his/her own tools, safety equipment, pen and pencil. ▪ Use of any personal special tools will be determined by the judge to assure fairness of the competition. ▪ Reference materials such as the AC43.13-1B, Aviation Mechanic's Handbook, Aircraft General Hardware, and Textbooks can be used at Skills Workstations. ▪ The Aviation Mechanic's Handbook and Aircraft General Hardware will be provided by the Contest Coordinator.
Contest Notes, Themes, & Deadlines	<ul style="list-style-type: none"> ▪ Following are a list of standards that may be covered. ▪ Tube Bending and Flaring - AMT 4.0 — Demonstrate the ability to install fluid lines/fittings to FAA general aviation competencies. 4.1 Fabricate and install rigid fluid lines and fittings. ▪ Electronic Project

- Safety Wiring - AMT 5.0 — Demonstrate knowledge of materials and processes.
- Aircraft Hardware ID - AMT 5.0 — Demonstrate knowledge of materials and processes. 5.4 Identify and select aircraft hardware and materials.
- Solve a Weight and Balance Problem - AMT 3.0 — Use weight and balance knowledge to FAA general aviation competencies.
- Solve an Airworthiness Directive Problem— AMT 11.2 Use aviation regulations, airworthiness directives, and advisory material.
- Use of safety equipment is mandatory.
- Contestants will be provided with forms, special equipment, and materials, required for competition.
- Each contestant will supply his/her own tools, safety equipment, pen, and pencil. Use of any personal special tools will be determined by the judge to assure fairness of the competition. Reference materials such as the AC43.13-1B, Acceptable Methods Techniques and Practices Aircraft Inspection and Repair. and General Textbooks can be used at the Skills Workstations.
- The scope of the contest will be judged based on the criteria established in the latest SkillsUSA Championships Technical Standards for Aviation Maintenance Technology. The competition will cover 8 categories. The students will be randomly placed in a workstation, and rotated through the stations until all have been completed.
- The high-school contest will cover the competencies classified as general aviation by the FAA.
- The college/postsecondary contest will also cover those competencies classified as power plant and airframe by the FAA.
- You will receive a sheet with the order you are to complete the projects. This is to prevent contestants from waiting to use equipment. If problems arise, the contest coordinator will amend the project order as needed.
- All projects, worksheets, and answer sheets are to be only identified by your contestant number. Do not put your name on any contest material. Maintenance record entries are to be signed: Contestant # X (your number).
- All projects must be completed by 4:00 p.m. unless times are adjusted during the competition

<p style="text-align: center;">Special Notes</p>	<ul style="list-style-type: none"> ▪ Starting in 2024, all State Contests will begin to add a scenario-based component. ▪ Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio office may result in contestant disqualification. ▪ All safety requirements will be heavily enforced. Violation may result in contestant disqualification. ▪ No smart watches and/or phones are permitted during the contest and/or in contest. ▪ No contact with anyone outside of the contest area once the contest begins. ▪ No inappropriate communication between contestants such as verbally degrading another contest. ▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. ▪ Starting in 2024, Wi-Fi is provided for contests where it is required for contest success.
<p style="text-align: center;">National Technical Standards</p>	<ul style="list-style-type: none"> ▪ Please refer to the 2023-2024 National Technical Standards for all contests. Any and all standards included may be tested in any competition. ▪ In conjunction with National Standards, violations may result in student loss of contest.
<p style="text-align: center;">Resume/Interview Requirement</p>	<ul style="list-style-type: none"> ▪ All SkillsUSA Ohio State Championship Contests will require a short interview component. Students should be prepared with basic job interview skills. ▪ All contestants must have a hard copy of a one (1) page personal resume.