



Mobile Robotics Technology

To evaluate each competitor's preparation for employment in the field of robotics with emphasis on the team approach to problem solving in a work environment. To recognize outstanding students for their excellence and professionalism in the emerging field of mobile robotics.

On-Site/Off-Site	<ul style="list-style-type: none"> ● On-Site
Contest Date	<ul style="list-style-type: none"> ● 3/18/2025
Contest Location	<ul style="list-style-type: none"> ● Convention Center ● C-Hall
Early/Normal Start Time	<ul style="list-style-type: none"> ● Normal Start Time ● Registration/Orientation will open at 8:00am. ● Please report to B-Hall Show Office for Registration. ● Competition will begin at 10:00am. ● Notebooks required at Registration
Contest Open/Closed	<ul style="list-style-type: none"> ● Open ● Exhibit Halls do not open to observers until 12:00pm.
Eligibility & Contest Type	<ul style="list-style-type: none"> ● Please refer to the Program Guidelines for eligibility- https://www.ohioskillsusa.org/resources/ ● Straight to State Contest (No Regional Qualifier)
Clothing	<p><u>For Competition Day the Dress Code is:</u> Class F</p> <p><u>For the Awards Ceremony the Dress Code is:</u> Class A or Class J</p> <ul style="list-style-type: none"> ● 2025 SkillsUSA Ohio Clothing Guide
Safety Equipment Required	<ul style="list-style-type: none"> ● N/A

<p>Testing</p> <p>Provided by Contestant (Tool List)</p>	<ul style="list-style-type: none"> ● Students should be prepared to take a written knowledge test. ● Documentation One hard copy of a 1-page personal resume ● Teams needs to bring a competition ready robot for this contest. ● Pay attention to R7, R8, & R9, plus they can also include one 12" x 24" piece of polycarbonate. 1/16" thick. ● Engineering Notebook/Digital Notebook Personal ● Tools ● Safety glasses and work gloves ● Dremel (or similar) rotary tool with appropriate attachments .4 ● Drill and drill bits ● Allen wrench set (Imperial). ● Aircraft metal snippers for cutting VEX metal. ● A Wi-Fi enabled laptop equipped with programming software. ● Power strip and extension cord. ● Calculator ● Tape Measure and or ruler. ● Phillips and slotted screw drivers. ● Metal File ● Pliers ● Graph paper, pens, pencils, tape, electrical tape, markers, and scissors. ● Multi-meter. ● Replacement batteries and chargers-All 7.2v robot batteries must be made by VEX Robotics .9V and AAA can be manufactured by any vendor. ● Grease or graphite (non-Aerosol) ● VEX Programming Cable. ● Empty small parts bin or storage container. ● Tape set. ● Small toolbox (optional)
<p>Contest Notes, Themes, & Deadlines</p>	<ul style="list-style-type: none"> ● Note: State contest presentation time is 3-5mins, which differs from National Technical Standards. Contestants should be prepared to adhere to this change as deductions will occur for presentations under 3 mins or over 5 mins. ● Interview questions, instructions, and rubrics are in the book attached to state standards. DIGITAL NOTEBOOKS ARE DUE by March 11th, 2025, please use the link provided to upload notebooks. Please use the link provided to access the Mobile Robotics Game Manual https://www.dropbox.com/scl/fi/lgttbengp5slam6z9jbd/24-25-OhioSkillsUSA-Game-Manual-MS-S-and-PS-2.pdf?rlkey=npq9oach9212s4eulyx2nc59&st=t6pblxg4&dl=0
<p>WIFI Provided?</p>	<ul style="list-style-type: none"> ● No

<p>Special Notes/Rules for All Contests</p>	<ul style="list-style-type: none"> ● Started in 2024, all Skilled Trade State Contests (most leadership contests already use scenarios) will begin to add a scenario-based component. ● <u>Wi-Fi will NOT BE AVAILABLE unless listed above</u>. If you need WIFI access please plan to bring a hotspot. ● All safety requirements will be heavily enforced. Competitors are to follow all safety standards and OSHA Regulations ● <i>Contestants MUST HAVE A COPY OF THEIR EMERGENCY MEDICAL FORM IN THEIR NAME BADGE AT ALL TIMES</i> ● <u>THE FOLLOWING ITEMS ARE PROHIBITED; VIOLATION OF ANY OF THE FOLLOWING MAY RESULT IN COMPETITOR DISQUALIFICATION:</u> ● Contact with Contest Coordinators is prohibited. Contact with Contest Coordinators outside of the SkillsUSA Ohio is strictly prohibited. ● Possession of smart watches and/or phones during the contest and/or in contest. ● Contact with anyone outside of the contest area once the contest begins. ● Inappropriate communication between contestants such as verbally degrading another contest. ● Cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing. ● Lack of Copy Emergency Medical Form in Name Badge.
<p>National Technical Standards</p>	<ul style="list-style-type: none"> ● Please refer to the 2024-2026 National Technical Standards for all contests. All standards included may be tested in any competition. ● In conjunction with National Standards, lack of understanding of State Level competition standards (this document) may result in student loss of contest.
<p>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 <u>must have a hard copy</u> of a one (1) page personal resume.