



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	<ul style="list-style-type: none"> ● <u>For Competition Day the Dress Code is:</u> Class F ● <u>For the Awards Ceremony the Dress Code is:</u> Class A or Class J ● <u>2025 SkillsUSA Ohio Clothing Guide</u>
Safety Equipment Required	<ul style="list-style-type: none"> ● N/A
Testing	<ul style="list-style-type: none"> ● Students should be prepared to take a written knowledge test.
Provided by Contestant (Tool List)	<ul style="list-style-type: none"> ● Documentation One hard copy of a 1-page personal resume ● Teams need to bring a competition ready robot for this contest.

	<ul style="list-style-type: none"> ● 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 screwdrivers. ● 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: https://www.dropbox.com/request/4SoBUX7zgj8bIA3l5SGa ● Please use the link provided to access the Mobile Robotics Game Manual: https://www.dropbox.com/scl/fi/llgttbengp5slam6z9jbd/24-25-OhioSkillsUSA-Game-Manual-MS-S-and-PS-2.pdf?rlkey=npq9oac_h9212s4eulyx2nc59&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.

	<ul style="list-style-type: none"> ● <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.