

2024 TENNESSEE TECHNICIAN SKILLS COMPETITION



Sponsored by the
Maintenance Council

April 4th, 2024

DEADLINE TO REGISTER MARCH 29, 2024

GENERAL INFORMATION

TTA's Technician Skills Competition is an annual event designed to measure thorough knowledge of medium and heavy duty commercial vehicles, including both theory and practical application. The contest consists of a written test and hands-on testing. All tools, manuals and equipment necessary are provided.

GENERAL RULES

- Competition is open to any technician that is employed by a TTA member co.
 - Our competition is open to members that live in a State surrounding TN, that **does not** have a **skills competition**. This competitor is only allowed to compete in one State Championship. This competitor's Company must have a terminal in that State.
- Competitors are only allowed to compete in one State Championship.
- All competitors must register by **March 29, 2024.**
 - TSC registration will close after the first 60 entries are received.

SAFETY INFORMATION

- All competitors must wear appropriate long pants and work shoes meeting accepted safety standards. All other safety-related items will be provided.
- Safety glasses with side shields (provided) must be worn at all times during the hands-on skills challenge.
- Standard shop safety procedures must be followed at all times.
- All spills must be cleaned up immediately.
- Any accident or injury must be reported to the section judge.

COMPETITION DATE: APRIL 4, 2024

Competitors will meet Thursday morning at 7:00 AM April 4, 2024 in Expo Building 1 for overview and schedule of events. Roll call will be promptly at 7:15 am. Competition will begin at 7:30 am.

COMPETITION LOCATION: Nashville Fairgrounds Expo Center Building # 1, at 500 Wedgewood Avenue, Nashville, TN 37203.

TTA recommendation Hotel close by: Candlewood Suites Nashville South, 4697 Trousdale Drive, Nashville TN 37204. 629-333-0900

ENTRY FEE: \$125.00 (Lunch provided with each registration) Deadline to Enter March 29, 2024. No refunds after March 29, 2024. Send to: TTA, 4531 Trousdale Drive, Nashville, TN 37204 or email to mpollock@tntrucking.org.



SCHEDULE OF EVENTS

Thursday, April 4, 2024

Registration	7:00-7:15 am
Roll Call & Overview	7:15 am
Competition Begins	7:30 am

SCORING

Judge's scores will reflect an assessment of technical skills and knowledge, accuracy, and quality of workmanship. Scoring of each individual workstation will be based on 100 points and count for a calculated percentage of the final competition score. Judges will consist of recognized experts within each competition category.

SKILL STATION GUIDELINES

Contestants will have 25 minutes at each station and 5 minutes between sessions to move to the next station and then receive orientation on that task. See examples of possible stations below.

1. **Service Information:** Demonstrate ability to retrieve service information from current accepted industry sources.
2. **Electrical:** Troubleshoot, service and repair of electrical systems including charging, lighting and cranking systems.
3. **Transmission:** Troubleshoot, service and repair drive train units including transmission, clutch, carriers, torque converters and drivelines.
4. **Fasteners:** To identify and troubleshoot various types of fasteners used on a class 8 vehicle.
5. **Suspension:** Identify and troubleshoot various failures related to suspension systems on class 8 vehicles.
6. **Preventive Maintenance Inspection (PMI):** Demonstrate ability to perform preventive maintenance check procedures.
7. **Wheel End:** Troubleshoot and identify faults in wheel-end systems.
8. **Brake:** Identify, service and troubleshoot conditions in ABS equipped air braking systems.
9. **Engine:** Troubleshoot, service and repair engine induction, fuel, exhaust and after treatment systems.
10. **Fifth Wheel:** Troubleshoot and identify fifth wheel systems.
11. **Written Test:** Provided by the Professional Technician Development Committee of the American Trucking Association's Technology and Maintenance Council.

Communication between contestants and spectators outside of the immediate skills station area is prohibited. Spectators are to be in viewing area outside of the skill station. Only authorized individuals may enter individual skill station.

CONTESTANTS WITH SPECIAL NEEDS

Every effort will be made to accommodate contestants with special needs. These needs must be identified on the competition entry and release form.

AWARDS

Cash, along with other prizes, will be awarded for the top score in each category, as well as a Grand Champion.

Lunch will be provided for all contestants.
Additional ticket will be available for non-contestants.