Automotive Service Technology (AST)
Transportation, Distribution, and Logistics
Skilled and Technical Sciences Contests
State Qualifying Conference
Contest Information

State Qualifying Event: Yes  National Contest: Yes  Participation: Individual

Contest Description
Competitors demonstrate their ability to perform jobs and skills based on the task list outlined by the National Institute for Automotive Service Excellence (ASE) and the National Automotive Technicians Education Foundation (NATEF). Workstations consist of on-vehicle, simulations, bench and component testing, and a written test. Competitors are judged on technical competency, accuracy, quality, safety and ability to follow directions.

Each conference is to have minimum of four (4) contest areas. Below are the stations that are to be performed. Regions have the option to choose up to three (3) more stations to as needed for their particular conference’s needs.

Mandatory Stations – Contest Max 2 hours
ASE Area 1 – Precision Measurement
The student will complete precision US Standard and Metric measurements of vehicle components using Micrometers, Dial Indicators, Veneer Calipers, Feeler Gauges and Thread Gauges, recording the results in the proper system units.

ASE Area 5 – Brakes
The student will identify brake designs and components, perform rotor and drum diagnostic measurements with precision tools, and diagnose electrical function of brake assembly ABS components using a DVOM.

ASE Area 8 – Engine Management
The competitor will access vehicle Diagnostic Trouble Codes and PID/DLC data to diagnose a concern and answer questions about Engine Controls components.

State Qualifying Exam
Automotive Service Technology – Previously Completed

Optional stations at each conference’s discretion:
- Alldata ESI
- Charging & Starting
- Electrical Circuits
- Evaporate Emissions
- Job Application & Interview
- Manual Drivetrain
- Predelivery Inspection
- Suspension and Steering

Notes:
Each station will require the student to read instructions and to wear proper safety equipment provided by the student. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)