

Welcome



Presents:

**"HVAC Control Systems
and Actuator Technologies"**

Instructor: Peter Orlando

What Will Be Covered:

"HVAC Control System and Actuator Technologies"

- **Standard HVAC System Inputs:** Detailed study of temperature, pressure, sun load, cabin air quality and humidity sensors.
- **Traditional HVAC Outputs:** Diagnosis and calibration of blend door actuators, blower motor control (PWM), cooling fan technologies and refrigerant control valves.
- **Integration and Diagnostics:** Understanding CAN/LIN communication networks, interpreting Diagnostic Trouble Codes (DTCs), and systematic troubleshooting processes.
- **High-Voltage Actuators:** Operation and safety procedures for Electric AC Compressors and high-power PTC Cabin Heaters.
- **Stop-Start Technologies - Impact on HVAC Systems:** When equipped, the HVAC technician must become familiar with all auto-stop and auto-start conditions that permit normal Stop-Start systems functionality on the HVAC system. We will discuss, entry, blocking and engine restart conditions that are essential for proper HVAC operation on these modern systems.

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TST Next Few Months

Webinars:

- **June TBA Gary Smith**
- **July TBA TST Round Table New Refrigerants**
- **August TBA TST Round Table**



Thank You !

