26 June 2025

PRODUCT DESCRIPTION

The Prototype Integration Facility (PIF), Combat Capabilities Development Command (DEVCOM) Aviation and Missile Center, Redstone Arsenal, Alabama, has a requirement to procure a Torque Measurement System to interoperate with a Variable-Geometry, Radial Outflow Compressor (VAROC) Air Dynamometer 250 and T408 aircraft engine in support of Flexible Engine Diagnostics Systems (FEDS).

Description of Required Supplies/Services:

Description
V250 / T408 Torque Measurement System Kit The contractor shall provide the following with the TMS Kits: - TMS Module / Shaft to engine components: spline adapter and splined hub, if necessary. - TMS Plumbing - TMS Calibration Kit with weights - Electronics: Signal processor, Rotastat Control and 90 ft. cable
V250 Application Study for the T408 Aircraft Engine The contractor shall evaluate the V250 Dynamometer with respect to testing objectives and configuration needs for testing the GE T408 Turboshaft Engine. The contractor shall define the specific interphase requirements with consideration to test plans, including inertia requirements, speeds, and power. The following are deliverables as a result of this application study: - Special Rotor consideration for inertia requirements - Identifying the torque measurement equipment, including but not limited to torque meter, interconnect shafts, and electronics. - Upon determining appropriate torque meter system, CN will update or generate new drawings and documents and enable life solutions.