

## Specification Requirements for Allison 250 C18 Test Cell

### NON-FLIGHT ITEM

1. The test cell shall consist of the Allison 250 C18 (317 shaft horsepower) turbine engine, a test stand and all necessary accessories in order to have a turnkey operation of the engine.
2. The turbine engine shall be in operational/runnable state.
3. Accessories shall include (but not limited to) a governor, fuel tank, fuel pump, oil pump, instrumentation sensors and indicator gauges, test control console, fluid tubing, filters, and a starter.
4. The test cell shall include a starter generator.
5. A test control console shall have a 30 ft umbilical to the test cell in order to safely operate the engine from a distance.
6. The test console shall have all gages, switch and throttle mechanisms necessary to operate the engine.
7. Sensors used to instrument the turbine engine shall be of high quality and accuracy.
8. The vendor shall provide calibration data of all sensors used to instrument the turbine engine.
9. The vendor shall provide 6 months warranty on Labor and 12 months on all parts.
10. The vendor shall provide training and operational manuals for the Allison 250 turbine engine.
11. The vendor shall provide 1 day on-site training at Edwards, CA on the operation of the turbine using the test cell.