

Jul 13, 2026



ITCN

Department of War
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

Capability Statement

DRAGOON ITCN | GSA Schedule Holder | ISO 9001:2015

AEROSPACE PRODUCTS & ENGINEERING SERVICES

CORPORATE OVERVIEW

Dragoon ITCN is an ISO 9001:2015 certified small business specializing in the design, development, and manufacture of high-reliability avionics testing tools, embedded data bus monitors, and cyber-hardened verification hardware. Headquartered in Dayton, Ohio, we engineer mission-critical flightline and field support tools that minimize diagnostic downtime, maximize aircraft availability, and ensure the data integrity of critical military weapon systems.

CORE COMPETENCIES

- **MIL-STD-1553 Avionics Diagnostics:** Comprehensive flightline and laboratory analysis tools, featuring advanced stub and coupler insertion loss measurements, polarity verification, and signal load isolation.
- **Data Bus Characterization & Integrity:** Industry-standard testing tools for real-time protocol analysis, error-injection, and fault isolation on MIL-STD-1553 embedded avionics buses.
- **Vector Network Analysis (VNA):** High-frequency (up to 6GHz) RF insertion loss, VSWR, and cable characterization designed to pinpoint impedance mismatches and intermittent faults.
- **EW & Countermeasures Validation:** Sequential timing and amplitude verification for systems like the AN/ALE-47 Countermeasures Dispenser System.
- **Cybersecurity & Cross-Domain Hardware:** Hardware-enforced data diodes designed for hardware-level, secure, unidirectional data extraction from active data links.

PAST PERFORMANCE HIGHLIGHTS

U.S. Air Force Special Operations Command (AFSOC): Partnered with Det 1, 492 SOW and 23EWS/SWA to provide Intermediate Timing Testers (C-STAT Countermeasures Sequential Timing and Amplitude Tester), providing flightline fault-isolation for the ALE-47 system on Special Operations and ACC aircraft.

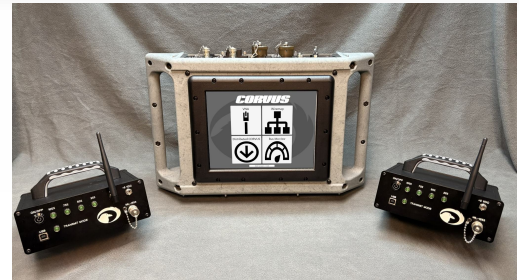
U.S. Air Force Life Cycle Management Center (AFLCMC): OEM for O-level Tester (CORVUS) as Common Test Equipment across multiple platforms in ANG and ACC.

Prime Systems Integration: Deployed test tools supporting specialized engineering teams at KIHOMAC, Boeing, and Lockheed Martin for sustainment on major AF Weapon Systems.

DIFFERENTIATORS

- **Intermittent Fault Isolation:** Multi-layer Swiss Army Knife Test Tool capable of locating data bus and cable faults to +/- 3" and pinpointing fault characteristics, reducing debug overhead from days to minutes.
- **Real-Time Display & Diagnostic Prognostics:** Custom tailorable Graphical User Interfaces (GUIs) show real-time events, displaying degradation levels rather than simple Go/No-Go results.
- **100% FAR Compliant & ISO 9001:2015 Certified:** Rigorous quality control workflows governing hardware design, production, and lifecycle maintenance.
- **NSN Codified Systems:** Field-ready solutions (i.e. CORVUS-400) are fully cataloged with National Stock Number and ATO for immediate logistics allocation.

PRODUCT SPOTLIGHT



CORVUS-400 System Kit
NSN: 6625-01-722-8200

Next-gen 1553 bus characterization, 6GHz VNA, 32-conductor wire mapper, and VEGAS data diode in an 18.5 lb. ruggedized tactile package designed for flightline operations.

CORPORATE DATA

Legal Name: Dragoon Technologies, INC.

(Dba Dragoon ITCN)

CAGE Code: 1NEY5

Unique Identity ID: RNKFHRNM7CZ7

GSA Schedules: 47QSMS25D0014

PRIMARY NAICS CODES

334515: Instrument Mfg. for Measuring Electrical Signals

541330: Engineering Services

334118: Computer Peripheral Equipment Mfg.

541715: R&D in Physical, Engineering & Life Sciences

KEY CLIENTS & AGENCIES

Defense / Federal:

US Air Force (AFSOC, AFRL, AMC, ACC, Robins, Whiteman, WPAFB), US Navy (PMA260), US Army (AMCOM, PEO AVN), NASA, NATO, DOE, ULA

Commercial:

Lockheed Martin, Northrop Grumman, RTX, Boeing, General Dynamics, BAE Systems, Honeywell, KIHOMAC, Bombardier, L3Harris

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