1. Defense Sub-Tier NIST 800-171 SPRS & FIPS 140-3 Attestation — Tactical-Sensor-v3

Work Order: QSA-DIB-2026-009 | Frozen Commit SHA: c5b6ff9 | Enclave: AWS us-east-2 (100% U.S.-Citizen Staffed | EAR 5A002 / ITAR Safe)

Engagement Track: Defense Sub-Tier Supplier DFARS 252.204-7012 / NIST 800-171 SPRS & FIPS 140-3 Sprint ($14.5K-$22.5K | 5 Days)

Verified DoW SPRS Score: 103 / 110 Current -> 110 / 110 Post-60d FIPS 140-3 Swap (Aligned with Sept 2026 DFARS Deviation 2026-O0025)

Unblocking Prime Contractor Flow-Downs Without C3PAO Delays

• Targeted Phase I SPRS Precision: Following DoW's Sept 3, 2026 DFARS Class Deviation 2026-O0025, primes strictly audit sub-tier SPRS score accuracy (7019/7020) and Control 3.13.11 CMVP FIPS 140-3 posture.

2. DoW NIST SP 800-171 SPRS Score Audit & FIPS 140-3 CUI Remediation

1. DoW DFARS 252.204-7012 / 7019 / 7020 & Class Deviation 2026-O0025 (SPRS) Posture

Aligned with Department of War DFARS Class Deviation 2026-O0025 (Sept 3, 2026) — focusing sub-tier embedded, PCB, sensor, and DLA medical suppliers on mandatory Phase I NIST SP 800-171 self-assessment & SPRS score accuracy without unnecessary C3PAO overhead.

NIST SP 800-171 Control	DoW SPRS Weight	Measured Enclave / Firmware Status	SPRS Impact
3.13.11 (CUI FIPS-Validated Crypto)	5 Points	Historical FIPS 140-2 module hit (post-Sept 21, 2026 CMVP sunset)	-5 Pts (60d SSP POA&M)
3.13.8 (CUI Transmission Crypto)	3 Points	TLS 1.3 + Hybrid X25519MLKEM768 (CNSA 2.0 / EO 14412 Ready)	0 Deduction (PASS)
3.5.3 (Multi-Factor Auth)	5 Points	Phishing-resistant Passkey / YubiKey FIPS + RFC 9449 DPoP Vault	0 Deduction (PASS)
3.14.1 (Flaw Remediation & SBOM)	5 Points	CycloneDX v1.6/1.7 SBOM/CBOM + 6-Hr CISA KEV adjudication	0 Deduction (PASS)
3.14.6 (System & Comms Monitoring)	2 Points	RTOS ELF compiler stack-canary hardening scheduled in SSP POA&M	-2 Pts (30d SSP POA&M)
Calculated DoW SPRS Score	Max: 110	Current Verified Score: 103 / 110 -> Target Post-POA&M: 110 / 110	PRIME CONTRACT READY

2. EAR ECCN 5A002 / ITAR 22 CFR 120.62 U.S.-Sovereign CUI Cleanroom Attestation

• Zero Foreign National Exposure: All stripped-binary reverse engineering, OID scanning, and CUI System Security Plan (SSP) generation executed inside AWS us-east-2 (U.S.-Sovereign Enclave) by 100% U.S.-Citizen 9x-GIAC engineers, satisfying DFARS 252.204-7012(c)-(m) 72-hour DoD DCISE cyber incident readiness.