CAPABILITY STATEMENT

UEI No. ELNHMD2474D5
CAGE Code 7U3G1
DUNS 19-811-8684

CORE COMPETENCIES

EnQuanta provides patented mission-grade cryptographic frameworks designed to protect National Security Systems (NSS) against quantum and AI-augmented cryptanalytic threats.

QuantaCrypt™ Architecture: A software-only, modular multi-layer framework for protecting data at-rest, in-transit, and in-use without hardware retrofitting.

Dynamic-Hybrid Cryptography: Stacked and randomized use of classical and Post-Quantum Cryptography (PQC) algorithms.

Crypto-Agility: Dynamic cipher stacks provide interoperable and upgradeable capabilities to maintain operational continuity and integrity over evolving threat cycles.

Cross-Domain Security: High-assurance protection tailored for classified defense, tactical communications, and intelligence sharing.

DIFFERENTIATORS

Zero-Day PQC Readiness: Unlike PQC roadmap-based solutions, EnQuanta delivers operational dynamic-hybrid modules available for immediate deployment with assumption-free protection against harvest-now, decrypt-later (HDNL) threats.

Infrastructure Neutral: Software-only dynamic-hybrid architecture integrates seamlessly into legacy systems, eliminating "rip-and-replace" costs.

Mission-Proven Rigor: Engineering standards adapted from deep-field experience in the DoW and Intelligence sectors, and proven performance demonstrated during SBIR contract.

Layered Defense: Built-in safeguards ensure cryptographic integrity even in compromised or adversarial digital landscapes.

Anti-Tamper: Unparalleled firmware protection for critical technology and frontline weapon systems against even unbounded quantum and AI-driven threats.

CERTIFICATIONS

U.S. Patents Pending
In process: FIPS 140-2, 140-3, CAVP, Common Criteria

OTA CONSORTIUM AFFILIATIONS

C5, COBRA, NAMC, DOTC, AMTC, IWRP, NSTIC, MSTIC

NAICS CODES

541511 Computer software programming services
541512 Network systems integration design services
541715 Computer & related hardware R&D laboratories
513210 Applications software, computer, packaged

VULCAN SCOUT CARD

Key Words: Quantum Cyber Resilience, Post Quantum Cryptography, Software Anti-Tamper, Encryption, Secure Communications, Integrated Networks, Cryptographic Agility, Complementary Cybersecurity

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