PACKETVIPER Preemptive Defense for Contested Networks

Automated Moving Target Defense (AMTD) for IT + OT — agentless, inline, fielded today

USCYBERCOM Industry Engagement
August 5, 2026 • CCP Edition 3 Response

CAPABILITY

Full-Stack AMTD — one agentless platform, five integrated functions. Originators of Automated Moving Target Defense (IP dating to 2011); deception is an enforcement trigger within AMTD, not the identity.

PREEMPT → TRIGGER → CONTAIN → EVIDENCE

Surface shifts continuously — reconnaissance yields stale, false terrain; decoy contact or policy violation triggers **inline containment in milliseconds**, before lateral movement. No agents on endpoints or PLCs; no downtime to deploy; complements existing SIEM/SOAR. Human-on-the-loop: operators supervise policy, the platform acts at machine speed.

VALIDATED PERFORMANCE

11 → 0	4 / 4	< 2 ms	99.0%
adversary attack paths, before/after (FOB utility test)	re-engagement runs contained vs. protected state	inline blocking of unauthorized protocol interactions	alert reduction (312 raw → 3 actionable)

Representative FOB utility segments (power, water, fuel, HVAC), red-teamed in multiple configurations; production dwell time reduced to zero. **March 2026: autonomous, self-replicating AI attack agent contained at first contact** — standard production configuration, no AI-specific detection logic. Results mapped to DoD Zero Trust for OT (Nov 2025), MITRE ATT&CK for ICS, and NIST 800-53 with direct empirical evidence.

COMMAND CHALLENGE PROBLEM ALIGNMENT (EDITION 3)

Full-Stack AMTD CCP 1.3, 1.4, 2.3, 3.4, 5.1
Preemptive surface change; deception-triggered inline containment at machine speed

OT / Cyber-Physical Protection CCP 1.2, 2.1, 6.4
Contested critical infrastructure protected without agents or downtime

Analytics, Compliance & SA CCP 2.4, 3.1, 3.2, 5.2, 5.5, 6.3
Situational awareness and tamper-evident audit evidence as a byproduct of enforcement

Compliance module: 590 controls across 25 frameworks — NIST 800-53/171, CMMC L1–L3, IEC 62443, NERC CIP incl. CIP-015-1.

COMPANY & ACQUISITION PATH

100% U.S.-owned, FOCI-free. Pittsburgh, PA; staffed by U.S. citizens; veteran-led. Fielded in production across critical-infrastructure operators; validated in documented red-team engagements.

Available to DoD today — no new competition required
Army CHESS ITES-SW2 (W52P1J-20-D-0042) via Carahsoft • GSA Schedule • Vulcan (vulcan-sof.com)

Proposed next steps: technical exchange with Command SMEs • evidence package (red-team report + NIST 800-53 / DoD OT ZT control mapping) • pilot or capability demonstration in a Command-designated environment

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