



# Friday AI™

## Operational Network Intelligence for Force Design 2028

Supporting USCG Cybersecurity Readiness  
at Every Installation



Presented by

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# Executive Summary

The United States Coast Guard is undergoing its most significant transformation in a generation. Force Design 2028 has identified antiquated and ineffective information technology systems as a critical gap; directly compromising installation readiness and CORA compliance.

Coast Guard installations operate complex, always-on networks supporting command-and-control communications, physical access systems, IP security cameras, VoIP emergency systems, and OT/building management infrastructure across a diverse mix of network equipment.

While existing tools provide a foundational view, installation IT teams face critical gaps in visibility, anomaly detection, and automated response; especially under pressure of JFQ\_DoDIN CORA audits and the cyber-attack scenarios embedded in Trident Forge training.

Friday AI, with its integrated ClearSight feature, adds AI-driven operational intelligence on top of existing infrastructure; deployed entirely on-premises on Coast Guard-owned hardware, with no data leaving the installation network.





# The Modern USCG Installation Network Environment

Today's Coast Guard installations are no longer limited to administrative connectivity. They are mission-critical platforms that support:

- Command-and-control communications
- CCTV and physical security monitoring
- VoIP and emergency calling systems
- Marine domain awareness sensors
- Physical access control and door locks
- Unmanned systems ground control nets
- IP security and surveillance cameras
- IT servers and workstation infrastructure
- Building Management Systems (BMS/OT)
- Emergency notification systems
- Classified and unclassified network segments
- Multi-VLAN segmentation across IDF/MDF

**Every one of these systems depends on a healthy, secure, monitored network**

## Force Design 2028 and the Cyber Readiness Mandate

Force Design 2028 explicitly identified "antiquated and ineffective information technology systems" as a breaking point; the Commandant's own assessment. Trident Forge now integrates cyber-attack scenarios directly into warfighter readiness curricula, elevating cyber ops to a mission-critical warfighting function.

## The Operational Intelligence Gap at USCG Installations

Despite existing tools, installation IT teams frequently face:

- Alert fatigue across hundreds of networked devices per installation
- Reactive troubleshooting driven by complaints, not proactive detection.



- No baseline for what 'normal' looks like across VLANs and shift changes
- Over-reliance on a small number of experienced network engineers
- CORA audit preparation that is manual, time-consuming, and error-prone

**The challenge is not visibility, but context, prioritization, and automated response at scale.**



# Friday AI: Intelligence Above the Installation Network

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Friday AI sits above your existing network infrastructure and continuously learns how each installation behaves, deployed entirely on-premises on Coast Guard-owned hardware. Friday is cross-vendor agnostic, supporting multi-vendor environments without requiring infrastructure replacement.

## Core Capabilities

- **AI-driven normalcy modeling:** Learns baseline behavior across all VLANs, shifts, and operational tempos. Anomalies surface immediately (not after a user complaint).
- **SSH-Based Device Discovery:** Discovers every IP-addressable device on every VLAN in minutes. Proven: 235 sites fully discovered in 6.5 minutes.
- **Rogue Device Detection:** Monitors MAC address tables on every switch continuously. Any unauthorized device triggers immediate alert and optional port shutdown, no separate NAC required.
- **Closed-Loop IR Flow Remediation:** Automated workflows with human-in-the-loop approval gates. Every SSH command logged with full timestamp, the audit trail CORA inspectors require.
- **VLAN Segmentation Compliance:** Continuously verifies VLAN boundaries and alerts on cross-VLAN anomalies; directly supporting IT/OT segmentation requirements.
- **Knowledge Preservation:** Encodes institutional network knowledge into automated workflows, reducing dependency on a small number of experienced engineers.





# ClearSight: Camera Readiness for Installation Security

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IP cameras are critical to every installation's physical security posture. Yet traditional tools verify only that a camera is online, not that it captures usable footage. A tampered or degraded camera may appear healthy while providing zero value.

## What ClearSight Does

- Passively detects RTSP camera streams on the installation network
- Periodically captures thumbnail images for AI-based quality assessment
- Detects lens obstruction or tampering
- Identifies blur, misfocus, distortion, over/underexposure, and glare
- Detects environmental interference and progressive image degradation
- Generates targeted diagnostic alerts before incidents occur

## What ClearSight Is Not

- Does not monitor people or behavior
- Does not perform facial recognition
- Does not replace VMS or NVR platforms

ClearSight focuses solely on camera readiness and image usability, ensuring surveillance infrastructure performs when it matters most.

### Sovereign Deployment- Your Iron, Your Network Your Control

Friday AI is fully deployable as a private, air-gapped instance on Coast Guard-owned server infrastructure. No data leaves the perimeter. No vendor cloud dependency. Consistent with CMMC and NIST 800-171.



# Operational Benefits for USCG Installations

- Reduced alert noise and faster issue triage
- Complete device inventory across all VLANs
- CORA audit evidence generated continuously
- Rogue device detection without NAC hardware
- Improved reliability of C2 systems
- Faster incident response across installations
- Better use of limited IT staff resources
- Physical security camera readiness assurance
- Reduced dependency on tribal network knowledge
- Closed-loop remediation with audit logging
- VLAN segmentation compliance verification
- Zero data exfiltration: sovereign deployment

## Force Design 2028 Alignment

FD2028 calls for rapid technology acquisition — concept to operational in days.  
Proven benchmark: 235 sites fully discovered in 6.5 minutes.



# Conclusion

Your existing network infrastructure provides the foundation.

**Friday AI adds operational intelligence.**  
**ClearSight ensures physical security camera readiness.**

Together, they help USCG installations reduce cyber risk and ensure systems supporting the mission are ready when the Nation calls.

In the Coast Guard, protecting the network means protecting everything that depends on it.

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**Friday Systems Inc.**

Learn more or request a demo at [www.fridayai.io](http://www.fridayai.io).