OT CYBERSECURITY ASSESSMENT DELIVERABLES

UPI 5-Step Process

1 Asset Inventory

2 Criticality Assessment

3 Security Vulnerability Assessment (SVA)

4 Cyber PHA Risk Assessment

5 Remediation Recommendations & Findings

NEED AN OT CYBERSECURITY ASSESSMENT?

An OT cybersecurity risk assessment identifies the various assets that could be affected by a cyber-attack and then identifies the various risks that could affect those assets.

Ask how UPI can help you prevent a cyber attack today.

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CYBERSECURITY DIRECTIVES

Enhancing Pipeline Cybersecurity for Owners/Operators

Cyber attacks can result in loss of life or injury, damage to assets, environment, reputation and increased downtime.

Cyber insurance requires due care to ensure coverage.

TSA DIRECTIVES

Homeland Security authorized the Transportation Security Administration (TSA) to address cybersecurity threats after the Colonial Pipeline cyber attack.

In 2021 TSA security directives were issued to protect vital national infrastructure, including pipeline facilities.

TSA requirements for Operators include:

- Criticality Assessments of Pipeline Sites.
- Risk Assessments & Asset Inventory.
- Site Security Vulnerability Assessment & Remediation Report.
- Security Enhancements based on audit and report findings.
- Corporate security, business continuity, and disaster recovery plan.
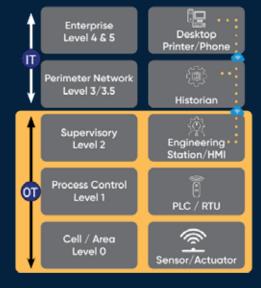
Recurring Actions Timeline:
1-3 years

Results are reportable on-demand

PIPELINE CYBERSECURITY FOR OPERATIONAL TECHNOLOGY (OT)

OT is used to control and operate automated systems on facilities such as compressor and pump stations that normally run on a 24/7 continuous basis.

TSA references the IACS Purdue model for network architecture using OT levels 0, 1, and 2.

PURDUE MODEL

WHY PARTNER WITH UPI?

UPI is a large USA-based full service engineering company. Automation and Cybersecurity experience includes:

- Supply chain risk assessments.
- Compressor station asset inventory assessment.
- Segmentation & Virtualization at interconnect stations, MLV sites, and marine terminals.

UPI has over **60 years experience** and has designed thousands of miles of pipeline and facilities. UPI understands your operational risks.

UPI CYBERSECURITY SERVICES

Consulting for TSA directives, cybersecurity, automation and control systems.

Performing TSA criticality assessment, Asset inventory, Risk and Gap Assessment reports.

Remediation for Instrumentation, PLC, software and configuration changes.

Support for TSA Cybersecurity Interface meetings, audits and plan requirements.