# U.S. Coast Guard Sector Columbia River

## Marine Transportation System (MTS) Cybersecurity

Columbia Basin Maritime Leadership Training (COBALT)

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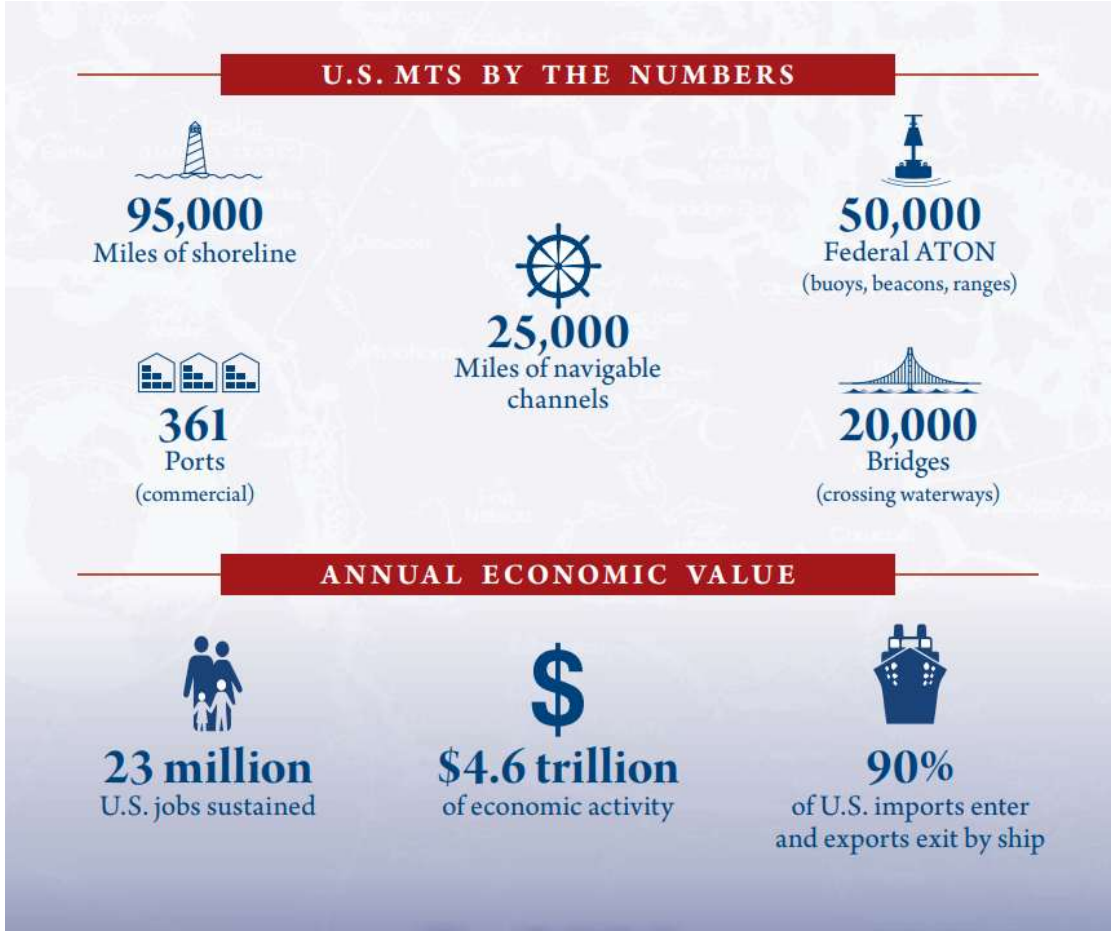
# U.S. Marine Transportation System (MTS)

"Any significant disruption to the MTS, whether man-made or natural, has the potential to cause cascading and devastating impact to our domestic and global supply chain and, consequently, America's economy and national security."

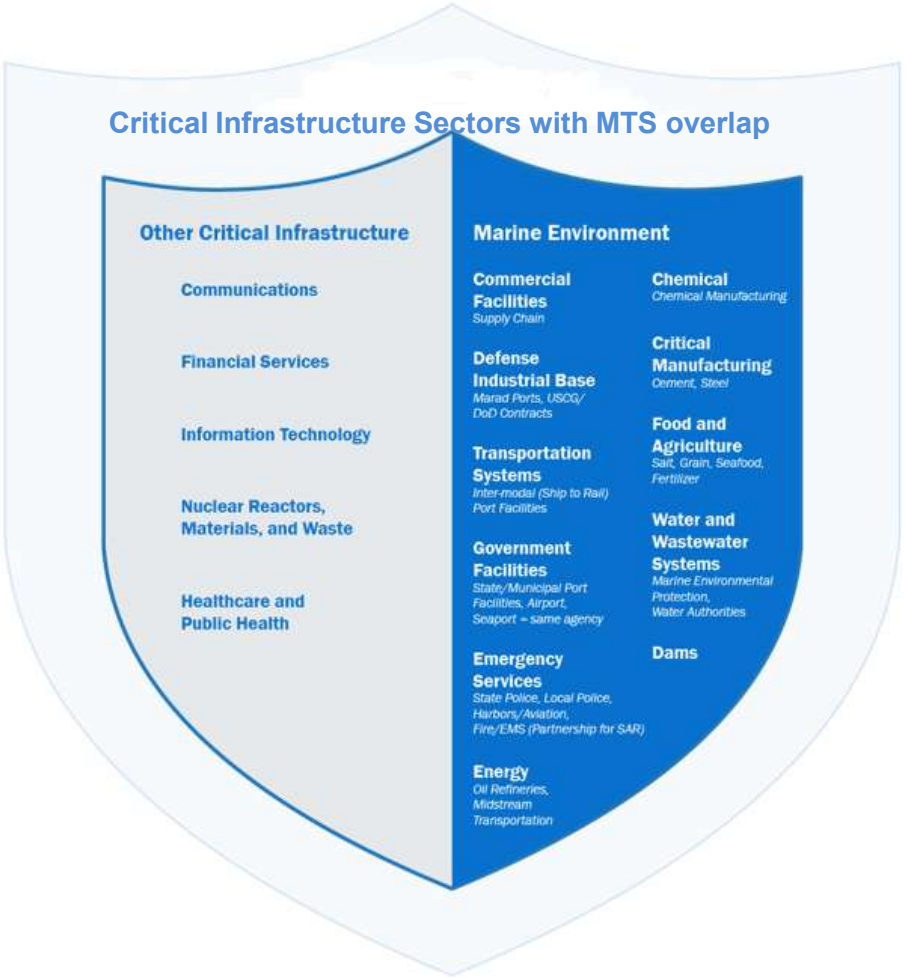
*U.S. Coast Guard Maritime Commerce Strategic Outlook*



# MTS – Critical Infrastructure Sectors

**3,500+ CG-regulated Maritime Facilities**

- More than half overlap with at least one other Critical Infrastructure Sector
- Of the 16 Critical Infrastructure Sectors, 11 overlap with the MTS



# Cyber Incident Observations

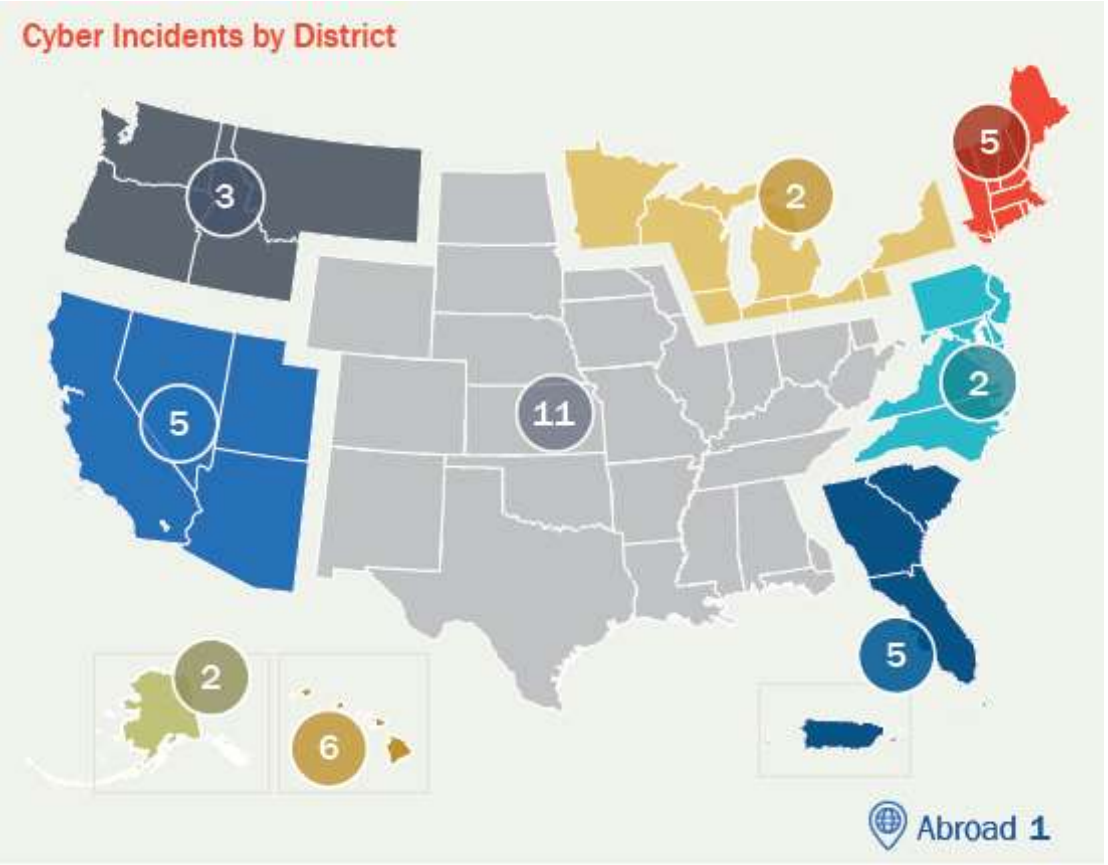
**USCG Investigated 42 Cyber Incidents in 2025**

Social Engineering

- Phishing / Spear phishing
- Business Email Compromise
- Typosquatting / URL Hijacking

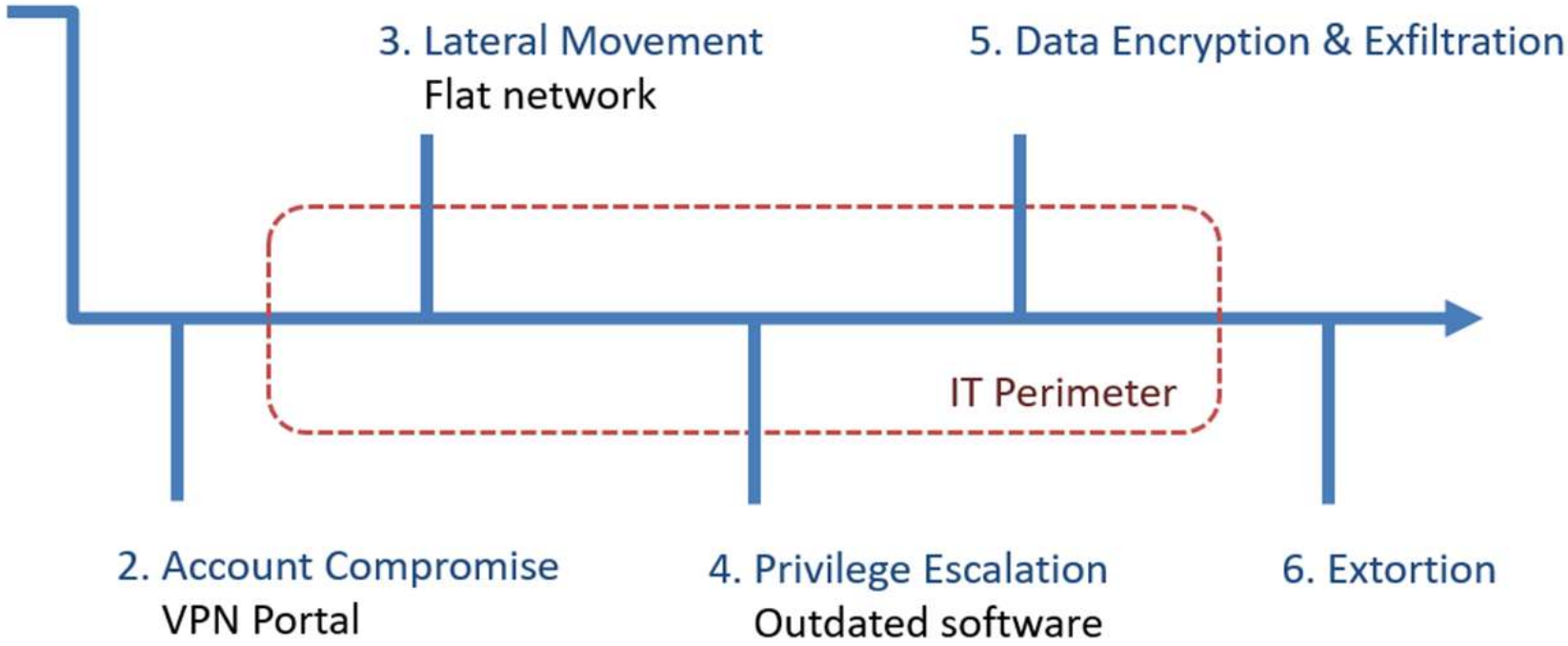
Ransomware

- Evolving techniques
- Ransomware as a Service (RaaS)
- Targeting Backup Systems



# Ransomware Attack Path

1. Password Spray Attack
   20,000 Brute Force login attempts



# Final Rule: Cybersecurity in the Marine Transportation System

NATIONAL ARCHIVES

FEDERAL REGISTER

The Daily Journal of the United States Government

- Addresses current and emerging cybersecurity threats by adding cybersecurity requirements to help safeguard and ensure the security and resilience of the marine transportation system
- Updates existing maritime security regulations by establishing requirements for cybersecurity
- Applies to U.S.-flagged vessels and facilities subject to the Maritime Transportation Security Act of 2002 (MTSA)
- **Became effective on July 16th, 2025**

# Information Sharing

## USCG Launches New Website for Maritime Industry

The Maritime Industry Cybersecurity Resource Website serves as a one-stop-shop for maritime industry partners to access trusted information, government points of contact, and current industry-focused cybersecurity resources.

- CG Resources and References
- Marine Safety Information Bulletins
- Cyber Alerts
- Incident Reporting Requirements and Procedures
- Links to Other Government Agency Resources

Coast Guard Maritime Industry Cybersecurity Resource Website: [https://www.uscg.mil/MaritimeCyber/](https://www.uscg.mil/MaritimeCyber/)

# USCG Cyber Protection Teams (CPT)

## Assess

- Identify vulnerabilities and weaknesses before cyberattack
- Offer guidance and recommendations to secure and protect MTS networks

## Hunt

- Identify adversaries on MTS networks
- Analyze malicious tactics, techniques, and procedures

## Incident Response

- Perform forensic artifact analysis
- Advise on remediation steps and best practices
- Assist with integration of FBI, CISA, and other agencies

# Questions?

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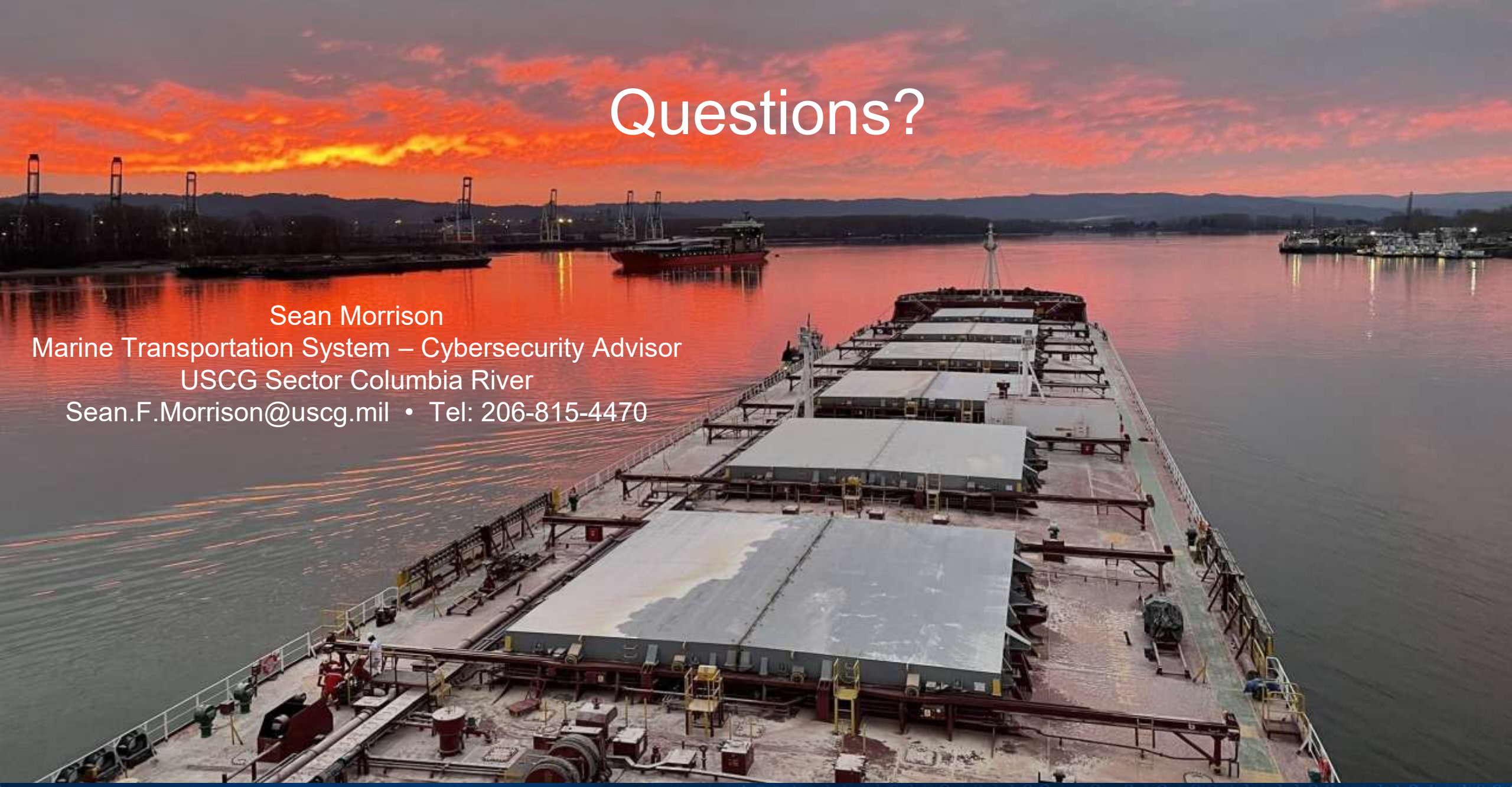

Photo credit: Columbia River Pilots