MARITIME CYBERSECURITY

Fisheries and Marine Institute of Memorial University of Newfoundland

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Threats

- IT and Operating Systems
- Bridge/Propulsion/Machinery
- Communications
- Cargo Handling
- Passenger Systems
- Traffic Systems
- AIS/Collision Avoidance Tools
- Etc

National Cyber Security Consortium

Securing Critical Marine Systems (SCMS)

NATIONAL CYBERSECURITY CONSORTIUM
CONSORTIUM NATIONAL POUR LA CYBERSÉCURITÉ

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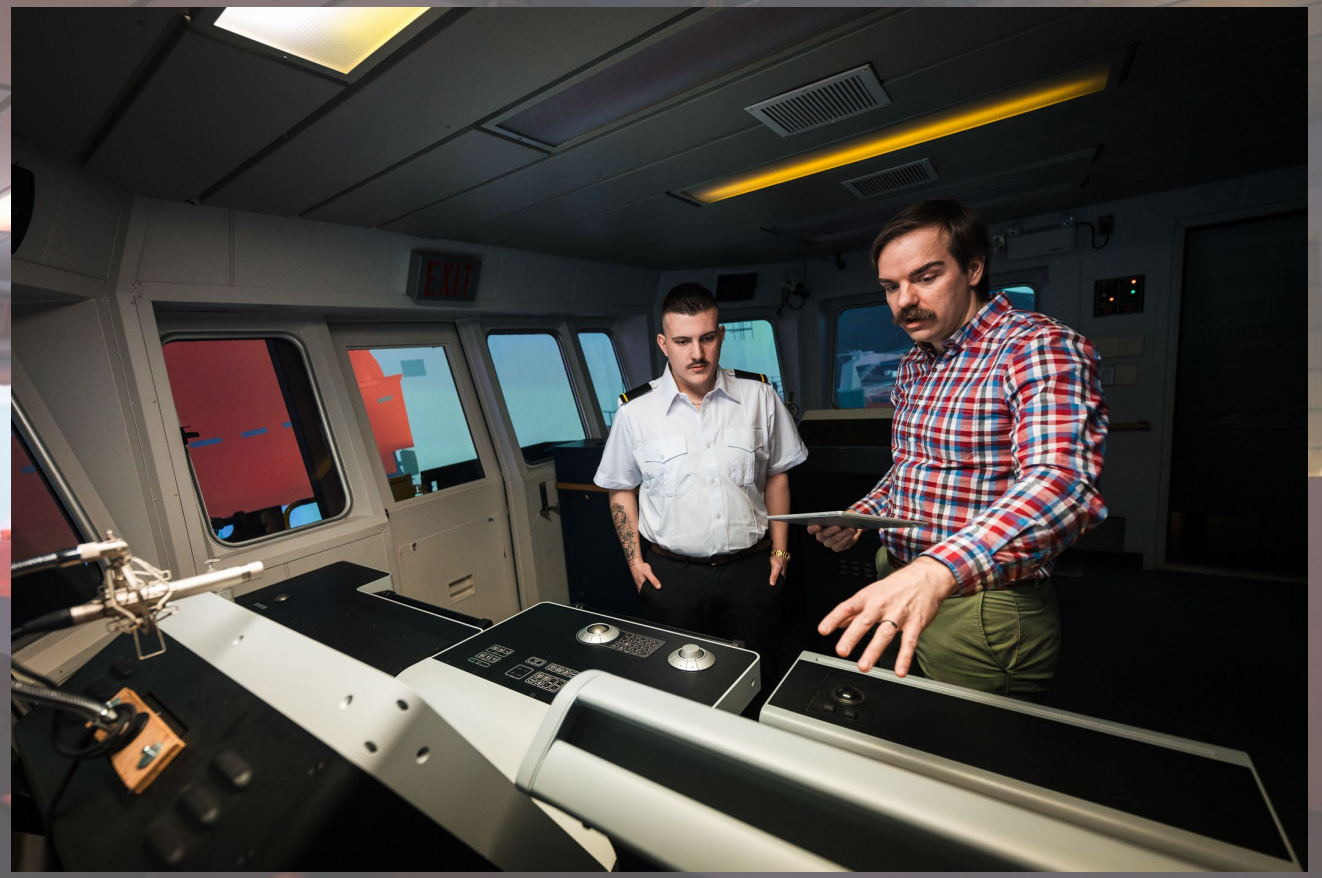
DALHOUSIE UNIVERSITY

Training

- Necessary (But insufficient)
- Exposure to realistic scenarios
- Human Factors
- Application



National Cyber Security Consortium

Maritime Cyber Security Training (MCT)

THALES

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Maritime Cybersecurity Forum : Building Resiliency

Industry Awareness and Collaboration

Cybersecurity Forum

THALES

CALIAN
Confidence. Engineered.

NTNU

BIMCO

DNV

ABS

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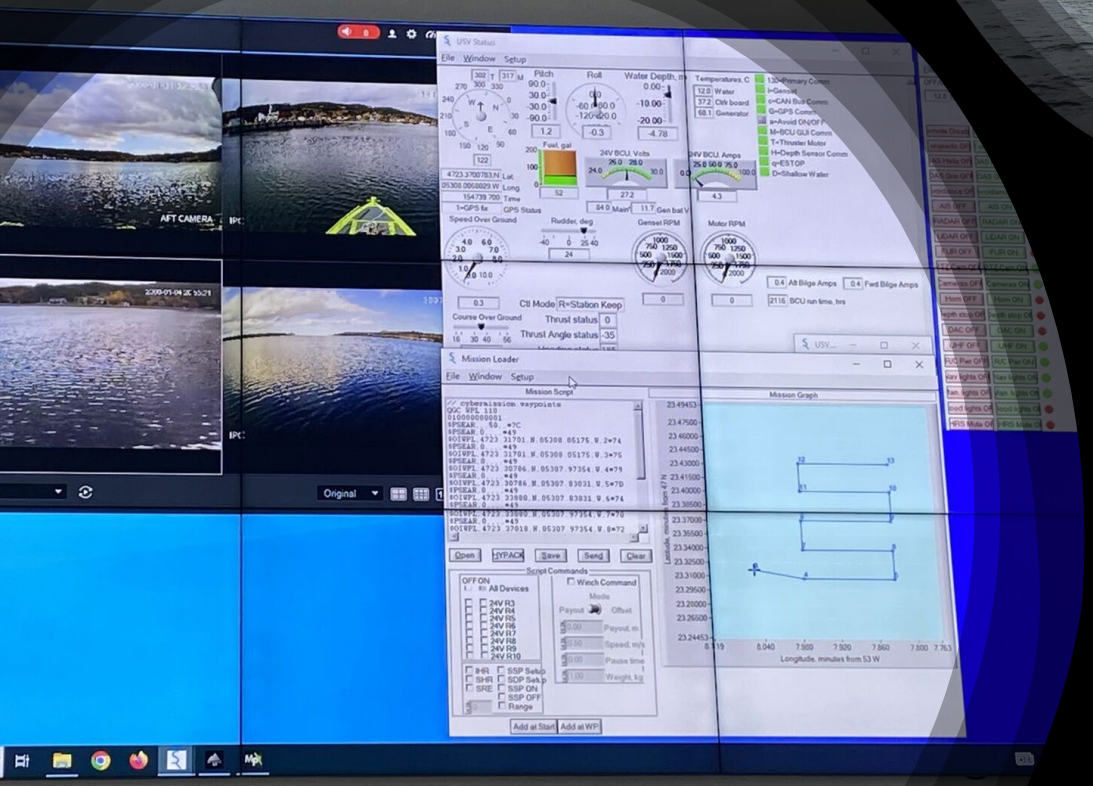
LR

Maritime Cybersecurity Exercise

Cybersecurity Attack – ASV

- Autonomous Surface Vessel
- Remote Operations Center
- Initiate, Identify, Contain and Recover



Exercise Summary

Cybersecurity Attack – ASV

EXIT

Thank you!
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