

OTCS-1009 - OT Cybersecurity: USCG Maritime Cybersecurity CySO Training

OEM: Honeywell • Code: OTCS-1009

COURSE DESCRIPTION

This course provided fundamental awareness of cybersecurity in maritime control systems. It also offers an overview of different cybersecurity measures outlined in 33 CFR § 101.650 in the cybersecurity plan which helps CySO to develop, implement and operate cybersecurity measures as intended. Participant also learns about advance cybersecurity threats, new technologies and defensive strategies needed to ensure the cybersecurity of the control systems. This course also covers the in-depth knowledge about incidence response plan and Incident response drills and exercises.

AUDIENCE PROFILE

- The course is intended for CySO (Cybersecurity Officer) who is responsible for the development, implementation, and maintenance of the cybersecurity portions of different security plans for facilities and vessels.

PREREQUISITES

- Prerequisite Courses: None
- Required Skills: None

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This section doesn't contain any content.

COURSE OUTLINE

Module 1: Basic Cybersecurity Fundamentals

- Marine OT Cybersecurity Awareness
- Cybersecurity threats and vulnerabilities

Module 2: Develop and Manage Cybersecurity Plan (CSP)

- Plan scope, structure, and key sections

- Roles and responsibilities
- Emergency contact and escalation procedures

Module 3: Cybersecurity Measures for Maritime Operations

- Account security measures
- Device security measures
- Data security measures
- Cybersecurity training for personnel
- Risk Management
- Supply Chain
- Resilience
- Network Segmentation
- Physical Security

Module 4: Advancing Knowledge on Cyber Threats

- Emerging trends in cybersecurity
- New technologies and defensive strategies

Module 5: Incident Response Roles & Responsibilities

- Incident command structure and Effective Communication strategy
- Evidence preservation and forensics handoff

Module 6: ICS Response Drills and Exercises

- Designing Effective IR Drill / Tabletop Exercises
- Metrics for Evaluating Effectiveness