



*Training Course:
ISPS Code Cyber Security Officer*

*25 - 29 January 2027
Kuala Lumpur (Malaysia)*

Training Course: ISPS Code Cyber Security Officer

Training Course code: MM235062 From: 25 - 29 January 2027 Venue: Kuala Lumpur (Malaysia) - Training Course Fees: 6825 € Euro

Introduction

With the increasing digitalization of maritime operations, ports and vessels are becoming more vulnerable to cyber threats that can disrupt operations, compromise safety, and impact global supply chains. Cybersecurity is now a critical extension of maritime security under the framework of the [ISPS Code](#) and guidelines issued by the [International Maritime Organization IMO](#).

This program, developed by [Global Horizon Training Center](#), is designed to equip participants with the knowledge and practical skills required to manage cybersecurity risks in maritime environments. It focuses on integrating cybersecurity into existing ISPS frameworks, protecting critical systems, and responding effectively to cyber incidents.

Participants will gain a comprehensive understanding of cyber risk management, system protection, incident response, and compliance requirements, enabling them to safeguard maritime operations in an increasingly digital landscape.

Course Objectives

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

- Understand cybersecurity concepts in maritime environments
- Identify cyber threats targeting ships, ports, and maritime systems
- Integrate cybersecurity into ISPS security frameworks
- Conduct cyber risk assessments and vulnerability analysis
- Protect critical maritime systems navigation, communication, TOS
- Develop and implement cyber incident response plans
- Ensure compliance with IMO cybersecurity guidelines
- Enhance resilience against cyber threats in maritime operations

Target Audience

This program is designed for:

- Maritime Security Officers SSO, CSO, PFSO
- Port and Terminal IT & Security Managers
- Marine Operations and Risk Management Professionals
- Cybersecurity and IT Specialists in maritime sector
- Government and Maritime Authority Personnel
- Professionals responsible for ISPS compliance and digital security

Outline

Day 1: Maritime Cybersecurity and ISPS Framework

- Introduction to maritime cybersecurity concepts
- Digital transformation in maritime operations
- Overview of IMO cybersecurity guidelines
- Integration of cybersecurity within ISPS Code
- Roles and responsibilities of Cyber Security Officers

Day 2: Cyber Threats and Risk Assessment

- Types of cyber threats malware, ransomware, phishing, GPS spoofing
- Vulnerabilities in maritime systems
- Conducting cyber risk assessments
- Identifying critical assets and systems
- Risk mitigation strategies

Day 3: Protection of Maritime Systems and Infrastructure

- Securing navigation systems ECDIS, GPS
- Protecting communication systems and networks
- Cybersecurity in port systems TOS, PCS
- Access control and system hardening
- Best practices for IT and OT security

Day 4: Incident Response and Cybersecurity Operations

- Cyber incident detection and response
- Developing incident response plans
- Crisis management and communication
- Coordination with authorities and stakeholders
- Case studies on maritime cyber incidents

Day 5: Compliance, Governance, and Future Trends

- Cybersecurity compliance and audits
- Policies, procedures, and governance frameworks
- Training and awareness programs
- Emerging technologies and future risks
- Final workshop: Developing a maritime cybersecurity strategy

Registration form on the Training Course: ISPS Code Cyber Security Officer

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