Antwerp Maritime Academy

shipadvisors

COURSE CATALOG

MARITIME CYBER SECURITY

PART I: AWARENESS

In the modern world, maritime cyber security is of critical importance as the maritime industry increasingly relies on interconnected digital technologies and systems. Cyber attacks on ships, ports, and other maritime infrastructure can disrupt trade, endanger lives, and cause significant financial losses. The diversity of systems and technologies used in the maritime industry, combined with the human element, makes it vulnerable to cyber threats. Effective maritime cyber security measures are necessary to prevent cyber incidents and minimize their impact when they occur. Ultimately, maritime cyber security is essential for the safety, security, and economic well-being of the entire maritime sector, as well as for the global economy and international trade.

COURSE

SCOPE

This course will be designed to meet standards set in the IMO MSC-FAL.1 / Circ.3 “Guidelines on maritime cyber risk management”, Resolution MSC.428(98) “Maritime cyber risk management in safety management system” and USCG “Maritime Cybersecurity Assessment and Annex Guide (MCAAG)“.

MAIN

OBJECTIVES

Identifying cyber security vulnerabilities in the maritime industry.

Understanding and recognizing cyber security threats.

Best practices and actions to take to ensure high level of cyber security.

COURSE

DURATION

8
HOURS

The course is conducted within a single day, lasting a total of 8 hours.

TARGET AUDIENCE

PARTICIPANTS

Participants in a maritime cyber security course may include ship personal, office employees, port operators, maritime regulators, and other professionals involved in the maritime industry.

COURSE

LEVELS

1
LEVEL

This course delves into the essentials of cybersecurity and is a component of a three-level course series, encompassing Awareness, Intermediate, and Advanced levels.

COURSE

DETAILS

Course is led by experts in the maritime field who possess a strong IT background.

It is thoughtfully designed for online delivery, incorporating a comprehensive approach that includes video resources, hands-on practical scenarios,, interactive exercises, and robust participant engagement through lively discussions.

Through the analysis of practical scenarios and examples, the course aims to educate all personnel, regardless of their IT expertise, on the fundamental concepts, promote awareness, implement protective measures, correctly report incidents, and mitigate the impact of any successful cyber attacks.

COURSE

AGENDA

- Introduction and overview of cyber security in the maritime industry.
- Cyber security standards, guidelines and applicable regulations and compliance requirements.
- Vulnerability assessments in maritime cyber security.
- Threats to maritime cyber security.
- Best practices for maritime cyber security.
- Multiple choice question (MCQ) assessment.
- Conclusion

"Cybersecurity in the maritime industry is not an option, it's a necessity. We can't afford to wait for a major cyber incident to occur before taking action."

- Rear Admiral (Ret.) Paul Thomas
Executive Director of the Maritime Security Council.

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