



Session 4: Managing Cyber Resilience

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NATO recognised **Cyberspace**
as a **domain of operations**,
similar to Air, Land and Sea.

Treat **Cyber** Risk as a **Business** Risk
and
Cyber Security as an
Enabler to Business Objectives

What's the issue

- IMO has given ship-owners and managers until 2021 to incorporate cyber risk management into ship safety, giving the industry another issue to deal with.
- GUIDELINES ON MARITIME CYBER RISK MANAGEMENT
- GDPR Compliance

Minimize Cyber Risk
Through
Improved Assessment and
Increased Resilience

Red Team Assessment

- Red Team Assessment provides a realistic assessment of actual threats against exploitable vulnerabilities in your environment.
- **By emulating the attackers**, multidisciplinary skills' experts test multiple aspects of your organization's security controls, such as external and internal network security, web application security, and employee security awareness.
- It's an **advanced way** to provide a realistic assessment of the threats your organization faces and the vulnerabilities that may be exploited to target critical data.

Cyber Defence Exercise (CDX)

Most organisations **do not exercise** their defences,
so they are **uncertain** about their capabilities
and **unprepared** for identifying and responding to cyber-attacks.

Cyber Defence Exercise (CDX)

Cyber Crisis management gets easier with practice.

Regular exercises are an excellent means of preparing the response team for real incidents and helping to identify useful support tools, equipment and data that can **improve** or **speed up decision making** when dealing with **real incident**.

Cyber Defence Exercise (CDX)

**Have you ever exercised the cyber
Incident Response Plan?**

**Legal, Ops, C-Suite, Communications
involvement for decision making?**

Remember...

**The Higher the Cyber Risk, the Higher the
Impact to Business Objectives**

**Improved & Advanced Assessments and
regular Exercising of the Incident Response
plan are required for**

Mission Assurance