



TECHNICAL CIRCULAR No. 342 of 10th June 2016

To:	All Surveyors/Auditors
Applicable to flag:	All Flags
Subject:	Cybersecurity Management System
Reference:	ISO 27001 standard

Cybersecurity Management System

In the near future shipping organization should implement a comprehensive system of safeguards and procedures to protect their assets from cyber risks..

The system will be implemented at the highest standards of cybersecurity on board the vessels and on shore.

Managing risks related to cyber safety and security requires a systemic integrated approach that understands and covers all layers of asset management and their interconnections, from infrastructure technology and software, to human-system interaction, data management and company-wise policy and preparedness.

Recently published guidelines on marine cybersecurity by the Round Table of international shipping associations had called upon shipping companies to further enhance the security of their IT systems. One of their key recommendations was for shipping companies to develop a cybersecurity management system to ensure that they not only have a broad overview of the cyber and information security risks which may occur during their assets' lifecycles, but also maintain sustainable and resilient procedures to protect vessels and their systems against cyber threats.

An information security management system will provide a comprehensive framework for assessing cyber vulnerabilities and implementing the necessary measures for mitigating risks and responding to potential system breaches. The approach should be based on a thorough risk and gap analysis.

On board vessels, the navigational equipment and systems like the Electronic Chart Display and Information System (ECDIS), control and automation systems, as well as communication networks are considered of high vulnerability to potential cyber threats, making them, along with the user awareness, key focus areas in the development of cybersecurity management systems.

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To achieve compliance with the ISO 27001 standard, companies need to demonstrate a process-driven approach for establishing, implementing, operating, monitoring, reviewing, maintaining, and improving their information security management system.

REFERENCES:

- ISO 27001 standard

ATTACHMENTS: No.

Kindest Regards,
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