



PANAMA MARITIME AUTHORITY
MERCHANT MARINE CIRCULAR MMC-354

PanCanal Building
Albrook, Panama City
Republic of Panama
Tel: (507) 501-5355
mmc@amp.gob.pa

To: Ship-owners/Operators, Company Security Officers, Legal Representatives of Panamanian Flagged Vessels, Recognized Organizations (ROs) and Recognized Security Organization (RSO).

Subject: Maritime Cyber Risk Management

**Reference: MSC.1/Circ.1526
MSC-FAL.1/Circ.3
Resolution MSC.428 (98)
ISO/IEC 27001**

1. The purpose of this Merchant Marine Circular is to inform that the International Maritime Organization in June 2017 at the 98th session of the Maritime Safety Committee (MSC) adopted the **MSC-FAL.1/Circ.3 Guidelines on Maritime Cyber Risk Management** and the **Resolution MSC.428 (98)** on Maritime Cyber Risk Management in Safety Management Systems (SMS) to safeguard shipping from current and emerging cyber threats and vulnerabilities.
2. According to this Resolution MSC.428 (98), an approved Safety Management System (SMS) should take into account cyber risk management in accordance with the objectives and functional requirements of the International Safety Management (ISM) Code. The objectives of the ISM Code include the provision of safe practices in ship operation and a safe working environment, the assessment of all identified risks to ships, personnel and the environment.
3. Cyber risks should be appropriately addressed in a SMS no later than the first annual verification of the company's *Document of Compliance* that occurs **after 1 January 2021.**

Prepared by: Lawyer	Revised by: Compliance and Enforcement Deputy Chief	Aproved by: Compliance and Enforcement Chief
Control N°: F-RIN-04-01	Versión: 06	Date: August 1, 2016
		Page 1 of 2

4. In a shipping context a maritime cyber risk refers to a measure of the extent to which a technology asset is threatened by a potential circumstance or event, which may result in shipping-related operational, safety or security failures as a consequence of information or system being corrupted, lost or compromised.
5. The Interim Guidelines on Maritime Cyber Risk Management was adopted in the Maritime Safety Committee (MSC) in session 96, through [MSC.1/Circ.1526](#) which provides recommendations that can be incorporated into existing risk management processes. The Guidelines also include functional elements that support effective cyber risk management.
6. This Administration encourages ship-owners and operators to take the necessary steps to safeguard shipping from current and emerging threats and vulnerabilities related to digitization, integration and automation of processes and systems in shipping.
7. This Administration urges that the company plans and procedures for cyber risk management should be seen as complementary to existing security and safety risk management requirements contained in the International Safety Management Code (ISM) Code and the International Ship and Port Facility Security (ISPS) Code.
8. For detailed guidance on cyber risk management, users may also refer to [The Guidelines on Cyber Security onboard Ships](#), latest version.

August, 2017

Inquiries concerning the subject of this Circular or any other request should be directed to:

Maritime Ships Security Department
Directorate General of Merchant Marine
Panama Maritime Authority

Phone: (507) 501-5037/5085

Fax: (507) 501-4202

E-mail: isps@amp.gob.pa
fullterm@segumar.com

Prepared by: Lawyer	Revised by: Compliance and Enforcement Deputy Chief	Aproved by: Compliance and Enforcement Chief
Control N°: F-RIN-04-01	Versión: 06	Date: August 1, 2016
		Page 2 of 2