



TECHNICAL CIRCULAR No. 608 of 6th February 2020

To	All Surveyors/Auditors
Applicable to flag	All Flags
Title	Cyber Risk Management
Reference	MSC 101

Maritime Cyber Risk Management

The shipping industry's work, *The Guidelines on Cyber Security Onboard Ships* (Version 3) was endorsed by MSC 101. Key updates include:

- Difference between operational technology and information technology possible effect that OT has now, given how physical and the digital worlds are intertwined.
- The NotPetya cyber-attack in 2017, affected shipping companies and container terminals, but not any ships. The attack showed the need for guidance on immediately disconnecting the ship's systems from shore connections during a cyber-attack where appropriate and warranted. Some systems may not be strictly necessary for operating the ship safely, but they could represent a potential attack vector to the systems required for the ship's safe operation.
- The chapter on responding to and recovering from cyber security incidents has been updated following the lessons learned from the NotPetya and other attacks.

The Guidelines give a cyber risk management perspective for guiding the relationship between the shipowner, ship agent, ship manager, and vendors. These relationships should be based not only on trust, but also a common understanding of a mutually acceptable cyber risk level.

- Seven (7) verified cyber incidents on board ships have been added to the work to highlight the extent of known examples.

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REFERENCES:

- MSC 101
- Courtesy of RMI

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Kindest Regards,

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