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THE UNIVERSITY OF TEXAS SCHOOL OF LAW
24TH ANNUAL
ADMIRALTY AND MARITIME LAW CONFERENCE

BLANK ROME LLP
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January 21, 2016

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Maritime Cybersecurity: Anticipating, preventing and mitigating a growing threat

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Maritime Cybersecurity: Security of Data

WHAT IS **CYBERSECURITY**?

• Cybersecurity is information security
(i.e., computer security)

– Computer networks, smart phones, computers

– Theft and manipulation of information, attacks on computer systems

– EX: SONY, Home Depot, Chase, Target, Celebrity email accounts/pictures, U.S. CentCom, The White House, OPM

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Maritime Cybersecurity Issues

• There are only two types of companies:

– Those who have been breached, and

– Those who have, but don't know it

YOU HAVE BEEN HACKED !

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Maritime Cybersecurity Issues

The maritime industry is 20 years behind the curve compared to office-based computer systems, and competing industries worldwide.

2011: ENISA (European Network and Information Security Agency)
- Reports on risks facing the maritime industry; and how to respond

2014: GAO (U.S. Gov't Accountability Office)
- Confirms threat facing industry: BUT the maritime industry has failed to make cybersecurity a priority

2015: U.S. Coast Guard Cybersecurity Initiative

2016: "The Guidelines on Cyber Security Onboard Ships" (BIMCO, CLIA, ICS, Intercargo, and Intertanko)

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WHAT systems are at risk?

- Systems on board vessels (communication, navigation, loading)
- Navigation data "in the cloud"
- Systems at major ports
- Mainland computer systems at maritime companies
- Laptops (offices and personal)
- Smart phones (offices and personal)
- USB keys

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Title search: Maritime Cybersecurity: Anticipating, Preventing and Mitigating a Growing Threat

Also available as part of the eCourse
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First appeared as part of the conference materials for the
24th Annual Admiralty and Maritime Law Conference session
"Maritime Cybersecurity: Anticipating, Preventing and Mitigating a Growing Threat"