#1

DEC:2016

PHISH & SHIPS

BE CYBER AWARE AT SEA

holman fenwick willan hfw

Kindly sponsored by
Holman Fenwick Willan LLP

ARE YOU CYBER AWARE?

Welcome to this first issue of "Phish & Ships", the maritime cyber security newsletter, keeping you up to date with a new industry initiative, "Be Cyber Aware At Sea".

The campaign has been created to tackle maritime cyber security issues. Providing guidance and raising awareness of cyber threats and risks across the shipping and offshore sectors.

Cyber issues are real, and pose a current and direct threat to the maritime domain. Just recently, personal data belonging to 134,386 current and former sailors in the U.S. Navy was compromised by hackers. A laptop belonging to a contractor was understood to be the source of the massive data breach. Bad things are happening, and it is time to act, to ensure everyone in your organisation is cyber aware.

A shipowner's duty to provide a seaworthy ship is well known, but even this is affected by cyber threats. Increasingly lawyers and insurers are stressing the fact that cyber management is a key part of the mix. So maritime risk management systems should now include some level of cyber security. There can be no excuses and no ignoring the threats.

The "Be Cyber Aware At Sea" campaign launched on 1st October 2016 to keep seafarers, cargoes and ships safer in the face of the increaing risk of cyber crimes, attacks and accidents. We are assisting shipowners, P&I Clubs, classification societies, maritime lawyers and flag States with spreading the message to help seafarers understand the risks posed by cyber security and the actions needed to steer clear of problems.

The campaign includes posters, guidance booklets and a bespoke maritime cyber training programme. There are videos too, another strand of the campaign is the Fidra Films, "Be Cyber Aware At Sea" project. This includes a series of short educational videos which will help "normalise" and "simplify" maritime cyber threats, highlighting how maritime cyber risks can be reduced significantly by adopting some simple steps.

The project, which is a not-for-profit initiative, has been supported by a range of key supporters and sponsors who are funding the distribution of the educational videos worldwide to help fight the unknown threat at sea. Their details and our gratitude for their support can be found online.

JWC International, a leading provider of Maritime & Offshore Cyber Security Training Solutions, has pioneered the campaign, and also designed and developed the first internationally approved "Maritime Cyber Security Awareness Course" (MCSA) in conjunction with the UK lead for Cyber and Information Assurance, GCHQ. The course, which can be delivered onboard ship or on shore, is the first of its kind and has been developed specifically for people working in the maritime and offshore sectors.

80%
of cyber breaches
Attributed to human error...

Company Security Officers **67%**
Feel cyber threats are not SERIOUS!

Chief Information Officers **100%**
Do not provide cyber security training onboard for crew

Ship Security Officers **91%**
Feel they lack cyber training, knowledge and competence

Source: J. Wylie, "Cyber Security; The Unknown Threat at Sea?" Coventry University 2016

P&I Clubs Rising to Cyber Challenges

One of the most rewarding aspects of "Be Cyber Aware At Sea" has been the willingness of so many people and organisations across the industry to embrace and recognise the challenges, and to support the initiative.

The campaign has been supported by both North of England and Standard P&I Clubs, and with so many major shipowners represented by both - this means our message is really getting through.

According to North of England's deputy loss prevention director Colin Gillespie, "Shipowners and crews are faced with many operational demands and dealing effectively with cyber risks is yet another challenge. Raising awareness of the risks is the first step in reducing the threat to shipping companies' commercial networks. Shipowners should now treat cyber security as a board level priority to minimise this emerging threat to the business of shipping."

North of England's support of the "Be Cyber Aware At Sea" campaign builds on their own "Cyber Risks in Shipping" guidance outlining the increasing sophistication of cyber criminals and raising awareness of the proactive mitigation measures that shipowners should now consider introducing.

The Standard Club also announced its support as it believes one of the most important components in the fight to prevent cyber crime at sea is the awareness and knowledge of the seafarers. They stated that in the current operational climate, the initiative is a welcome step in the right direction towards a safer, more secure industry. It is their hope that the initiative will equip seafarers with the skills to play their vital role in the fight against cyber-crime at sea.

THIS IS A STICK UP... POSTERS AGAINST CYBER RISKS

Our cyber poster campaign has proven incredibly popular. Shipping companies and maritime organisations from all over the world have been downloading and printing the posters.

They are on more and more ships every month. We are proud to be getting the word out, and we hope the Be Cyber Aware posters are really helping seafarers to make the right, clever cyber choices.

To download high resolution copies of the posters safely and securely visit becyberawareatsea.com/awareness

holman fenwick willan hfw

Legal assessment, risk management and crisis response
www.hfw.com

Getting Real On Cyber

According to Jordan Wylie of JWC International, the driving force behind the "Be Cyber Aware at Sea" campaign: "shipping's evolution means its reliance on Information & Communications Technology (ICT) is growing. The result is that more vessels are open to ever more cyber vulnerabilities. This is an unfortunate fact, but we can act to protect seafarers and ships".

Over the past few years we have seen many breaches of cyber-security in the maritime and offshore oil and gas sectors. Despite these incidents there seems to be a distinct lack of awareness throughout organisations.

Wylie states there is a dangerous game of "cyber cat and mouse", and the stakes are extremely high. 80% of identified cyber security and information security breaches and related incidents offshore are a direct result of human error. This clearly shows we need to start getting the basics right before we invest on advanced (and expensive) technical mitigation measures.

Training and awareness for seafarers is one of the biggest vulnerabilities right now. Combining this absence of training, with a lack of clear and understood policy is a recipe for disaster. When you also consider the current economic climate, with fierce competition for business, there can be a natural increase in the risk appetite that security and safety managers may not be fully aware of. Cyber issues can fall into these gaps and cause major and serious problems.

It is often said that complacency is simply a lack of awareness and training. It seems clear then, the offshore and maritime industries need to do more to ensure they are not the next victims on the cyber battlefield! Join the campaign to find out more...

Join in and have your say...

To keep up with the cyber risks to your company, fleet and onboard your ships, make sure you visit our website and join the campaign to make maritime cyber security work.

www.becyberawareatsea.com

think@becyberawareatsea.com

Steven Jones, the editor of this new monthly round-up of maritime cyber matters, would love to hear from you. So please share your thoughts, views and experiences with the industry. We will analyse the current state of play in our next issue.

Top 5 Cyber Risks at Sea

1. Lack of Cyber Training & Awareness

2. Vulnerable, Outdated Control Systems

3. Lack of Information Security Policies

4. Insufficient Separation of Data Exchange Networks

5. Poor Network Protection Between Onshore & Offshore Operations

Get more insight and the best maritime cyber guidance at our website...

Gathering Best Practice

As maritime cyber risks come to the fore, a number of guides to best practice, guidelines, rules and reports on the level of risks have been produced specially for the shipping industry.

The Be Cyber Aware at Sea campaign has gathered many of these publications together in one place, so they can be accessed easily and safely.

From BIMCO to underwriters, tech companies to Classification Societies, check out our resources pages and download the guidance you need today:

http://www.becyberawareatsea.com/guidance

www.becyberawareatsea.com

think@becyberawareatsea.com

Supporters

navarino · NORTH · The Standard · SHIPPINGCLUSTER · CSO ALLIANCE MARITIME · SovereignGlobal UK · SeaTec · ZEUS · holman fenwick willan hfw · JWC · FRONTIER RISKS · NSSLGlobal · CITADEL MARITIME · RIGEL · fidra films · ASKET Ltd · Maritime Security Review · APMG International · OSP SECURITY · OSP SAFETY