CYBERSECURITY TRENDS

...and the expanding role of law enforcement

@KenrickBAGNALL

Detective Constable 9470

Toronto Police Service

Tuesday, June 12, 2018

CYBERSECURITY TRENDS

What does the future hold?

AWARENESS

PERSPECTIVE

ACTION

TORONTO POLICE SERVICE
C3
COMPUTER CYBER CRIME

CYBERCRIME

RANSOMWARE

- On the increase
- Increase in the amount demanded
- Malicious emails with both links and or attachments (Human Factor)
- New and more complex encryption
- Factor into your incident response plan
- Payment demand in Bitcoin
- Law enforcement position is to NOT pay but this is a business decision

Trace of SCAM email

Rbc Royal Bank

Inbox - KenrickPVB - Gmail Yesterday at 3:29 PM

RB

Action required ! #ID: 309816139

To: Kenrick P. V. Bagnall,

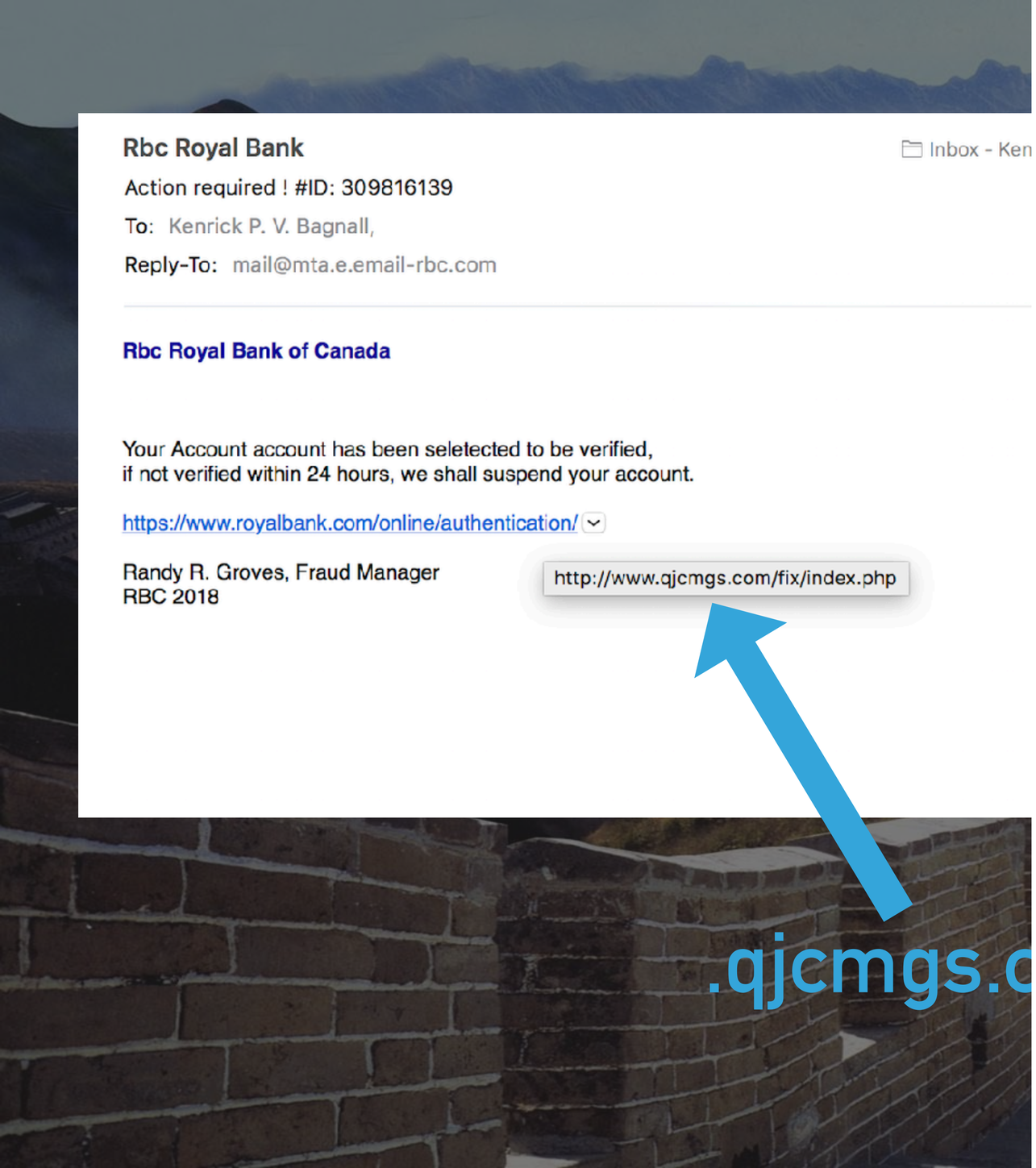
Reply-To: mail@mta.e.email-rbc.com

Rbc Royal Bank of Canada

Your Account account has been seletected to be verified,
if not verified within 24 hours, we shall suspend your account.

https://www.royalbank.com/online/authentication/

Randy R. Groves, Fraud Manager
RBC 2018



Whois Record for qJcmGs.com

Domain Profile

Registrar	35 Technology Co., Ltd. IANA ID: 1316 URL: http://www.35.com Whois Server: whois.35.com abuse@35.cn (p) 865925391800
Registrar Status	clientTransferProhibited
Dates	2,248 days old Created on 2012-04-15 Expires on 2019-04-15 Updated on 2018-05-14
Name Servers	NS3.DNS-DIY.COM (has 291,559 domains) NS4.DNS-DIY.COM (has 291,559 domains)
Tech Contact	–
IP Address	115.47.143.28 - 4 other sites hosted on this server
IP Location	- Beijing - Beijing - Beijing Teletron Telecom Engineering Co. Ltd.
ASN	AS4808 CHINA169-BJ China Unicom Beijing Province Network, CN (registered Jan 09, 1996)
Domain Status	Registered And Active Website
IP History	19 changes on 19 unique IP addresses over 6 years
Registrar History	1 registrar with 1 drop
Hosting History	7 changes on 3 unique name servers over 6 years

Website

Website Title	网上哪个赌博平台好|网络赌钱平台哪个好|大家都在什么平台网赌
Server Type	Microsoft-IIS/8.5
Response Code	200
SEO Score	72%
Terms	195 (Unique: 161, Linked: 50)
Images	15 (Alt tags missing: 0)
Links	69 (Internal: 61, Outbound: 4)

Whois Record (last updated on 2018-06-11)

Trace of SCAM email

Deceptive Website Warning

This website may try to trick you into doing something dangerous, like installing software or disclosing personal or financial information, like passwords, phone numbers, or credit cards.

Show Details | Close Page

qjcmgs.com Open with Safari Add to Reading List

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After this verification, you can you use your account.

Online verification

After this verification, you can you use your account.

Other Online Services

In the Spotlight

You're helping to improve RBC® Online Barkirg

In the Spotlight

You're helping to improve RBC® Online Barkirg (Opens new window)

RBC Security Gua

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https://www.royalbank.com/online/authentication/

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RBC Direct Investing

Go

by Teri Robinson, Executive Editor

Follow @TeriRnNY

June 11, 2018

Chinese gov't hackers snag secret missile plans in Navy contractor breach

Hackers from the Chinese Ministry of State Security who broke into the systems of a contractor working for the U.S. Naval Undersea Warfare Center stole 614GB of sensitive information, including plans for a supersonic anti-ship missile to be launched from a submarine.

The hacks, which occurred in January and February, according to a report in the Washington Post, yielded details on the Sea Dragon missile program, which was created in 2012 to adapt existing military technology to new uses.

US Navy

CYBER EXTORTION

- A major problem in 2016
- Resurfacing in 2018
- Personal (private citizen) and Professional (business executives)
- Payment demand in Bitcoin
- Geographical relationships
- Report to Law Enforcement

CRYPTO CURRENCY

- Volatile financial space
- Scratching the surface of the Blackchin
- Regulations still playing catch up
- Bitcoin ATM issues
- Report to Law Enforcement
- Not going away anytime soon

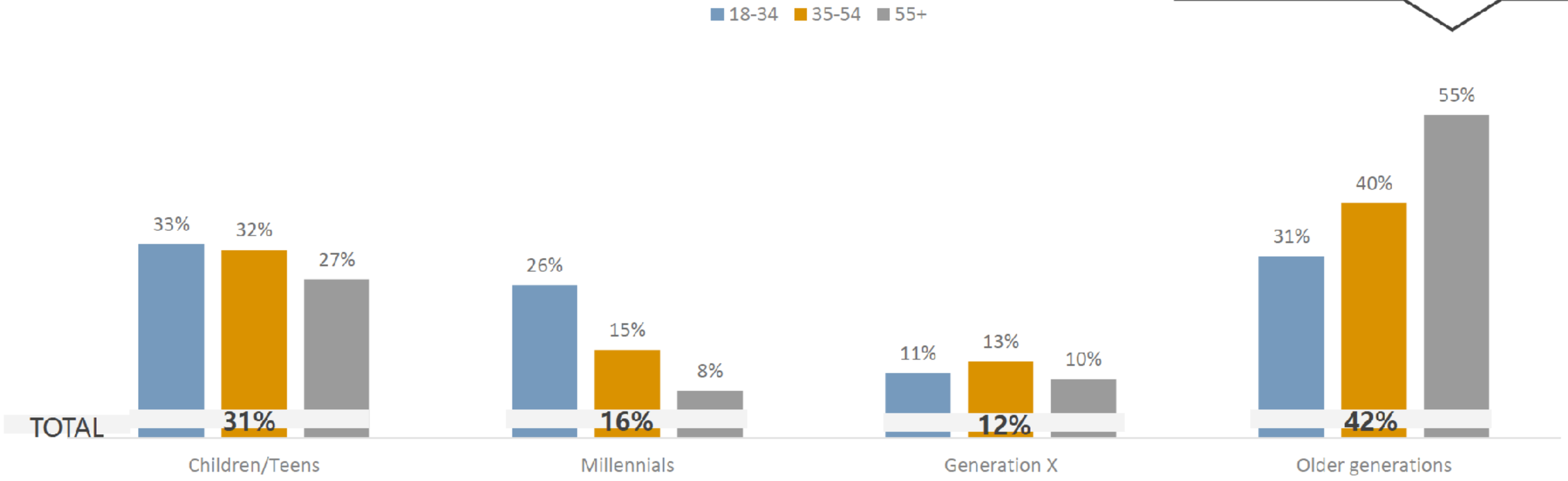
AWARENESS
CYBER HYGIENE

Symantec

Most Likely to be a Victim of Online Crime

Among Canada by Generation

Showing % selecting each generation



42% of all Canadian consumers believe that older generations are the most vulnerable

WHY DOES ANY OF THIS MATTER?

PROTECTING WHAT'S IMPORTANT

WHAT DOES THIS MEAN FOR BUSINESS?

HUFFPOST
UNITED KINGDOM

Edition: UK

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Cyber Attack! 60% of Small Companies Out of Business in Six Months

06/04/2014 14:45 | Updated 03 June 2014

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INNOVATE

60 Percent of Companies Fail in 6 Months Because of This (It's Not What You Think)

Theres a 60% chance that this one risk will destroy your business if you ignore it.

By Thomas Koulopoulos *Founder, Delphi Group* @tkspeaks

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DOMINEZ LA RENTRÉE DES CLASSES
Essayez un échantillon de rouge à lèvres Sephora Always Red. Gratuit avec un achat de 25 $.
Magasiner maintenant
*Des conditions s'appliquent.
PayPal

BUSINESS › TECHNOLOGY

60% of small companies that suffer a cyber attack are out of business within six months.

Simple steps can help you avoid a hack that could destroy your fortunes

Statistics Canada Statistique Canada

Small businesses are businesses with 1 to 99 employees;
Medium-sized businesses are businesses with 100 to 499 employees;
Large businesses are businesses with 500 employees or more.

Overall, large firms with 500 or more employees are found to have accounted for 45.7% of the GDP produced in the business sector. Small and medium-sized businesses, including unincorporated businesses, accounted for the other 54.3%. The large-business share of GDP varied across the components of GDP. Large businesses accounted for the majority of operating surplus and supplementary labour income, but for less than half of overall labour income and indirect taxes less subsidies. The share of GDP accounted for by large businesses varied widely by industry. Large firms had a substantial presence (more than 50% of GDP) in utilities, information, mining and oil and gas, manufacturing, and transportation and warehousing, while they had little presence (less than 10% of GDP) in construction, other services, education, health, and agriculture, forestry, and fishing.

WHAT IS THE APPROPRIATE MINDSET?

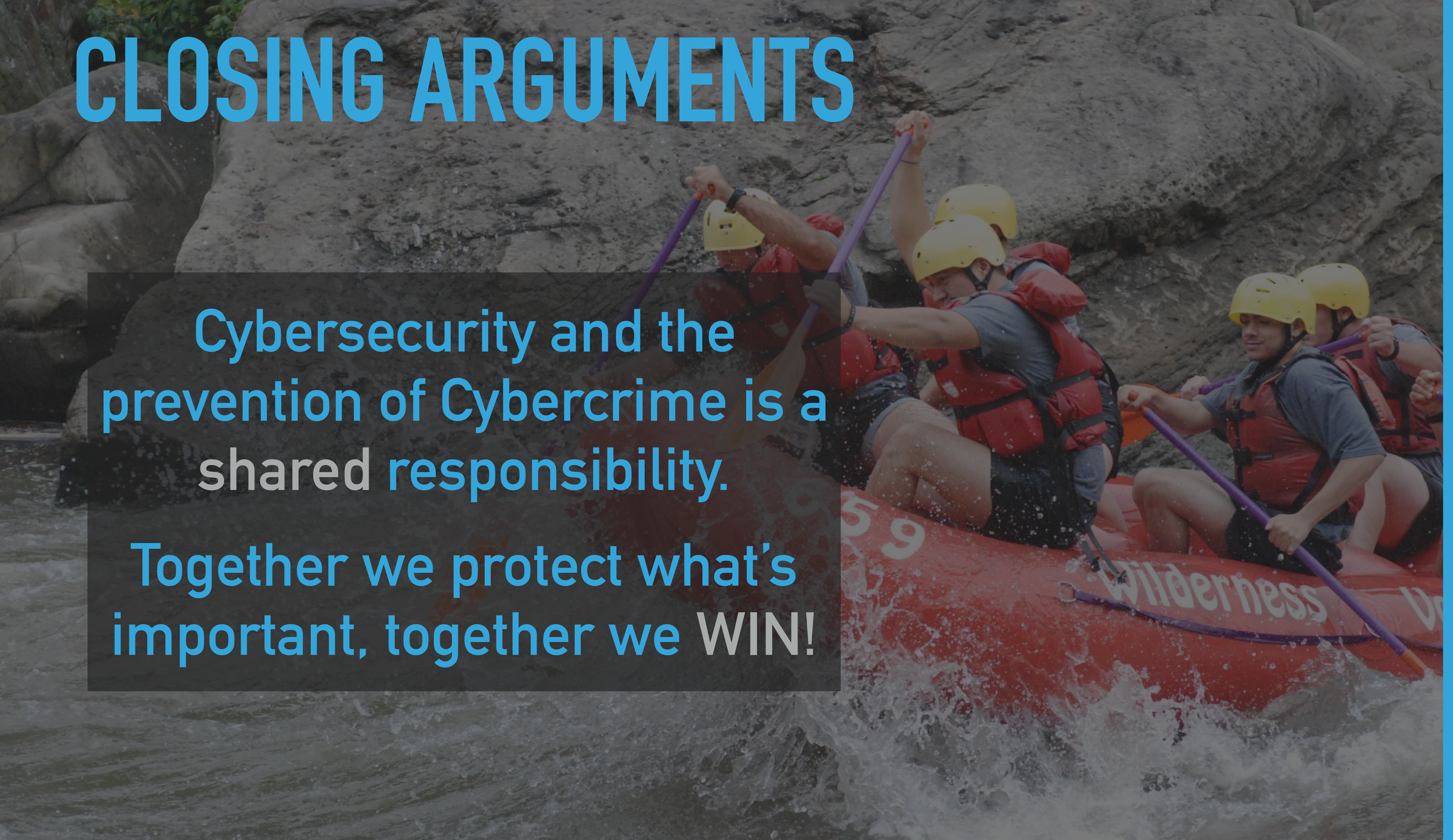
CYBERSECURITY

The expanding role of law enforcement

A move to mitigation and incident response

CYBERCRIME ~ MAKING THE CASE

CLOSING ARGUMENTS



Cybersecurity and the prevention of Cybercrime is a shared responsibility.

Together we protect what's important, together we WIN!

THANK YOU

#TorontoSTRONG

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Computer Cyber Crime (C3)

Intelligence Services

Toronto Police Service

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