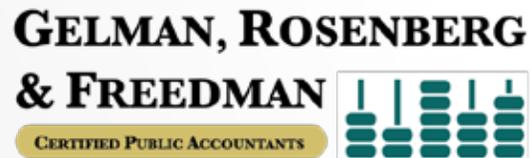


Top 10 IT Risks Facing Not-for-Profit Leaders

Is Your Sensitive Data at Risk?

January 25, 2018



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Housekeeping

Technical Difficulties?

-  Contact Webex at 1-866-229-3239
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Or, use the chat function to report any issues to the administrator
-  The webinar will be recorded and made available after the event
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CPE Credit Information

- Attendees seeking CPE for this presentation must complete and submit a short evaluation survey that will pop up on their screens after the webinar ends
- Three words will be shared during the presentation; the survey will ask you for those words
- Attendees cannot claim CPE unless we receive a completed evaluation with the correct words
- Technical questions about the survey can be addressed to Jennifer Disharoon at jdisharoon@grfcpa.com
- **Turn off your pop-up blocker;** leaving it on could block the survey
- This presentation is available to download at www.grfcpa.com/webinars/

Housekeeping

Webinar Objectives

<p>Learning Objective <i>To provide attendees with a better understanding of the top 10 IT risks facing nonprofit organizations in 2018</i></p>	<p>Instructional Delivery Methods <i>Group Live and Group Internet-based</i></p>
<p>Recommended CPE <i>2.0 CPE</i></p>	<p>Recommended Fields of Study <i>Audit</i></p>
<p>Prerequisites <i>None required</i></p>	<p>Advance Preparation <i>None</i></p>
<p>Program Level <i>Basic</i></p>	<p>Course Registration Requirements <i>None</i></p>
<p>Refund Policy <i>No fee is required to participate in this session.</i></p>	<p>Cancellation Policy <i>In the event that the presentation is cancelled or rescheduled, participants will be contacted immediately with details.</i></p>
<p>Complaint Resolution Policy <i>Gelman, Rosenberg & Freedman is committed to our seminar participants' 100% satisfaction and will make every reasonable effort to resolve complaints as quickly as possible. Please contact kdavis@grfcpa.com with any concerns.</i></p>	

Speakers



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GELMAN, ROSENBERG

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A close-up, slightly blurred photograph of a person's hands interacting with a laptop. One hand is pointing at a document displayed on the screen, while the other hand rests on the keyboard. The background is a soft-focus office environment. The text is overlaid in the center of the image.

Ransomware – Anatomy of an Attack

[X] NEW ATTACK: FROM [PORTUGAL] TO [THAILAND]
[X] NEW ATTACK: FROM [PALESTINE, STATE OF] TO [BRAZIL]
[X] NEW ATTACK: FROM [BAHRAIN] TO [BRAZIL]
[X] NEW ATTACK: FROM [UNITED STATES] TO [THAILAND]

LOCAL TIME
9:11:42

ATTACKS TODAY
279,657

FIREEYE CYBER THREAT MAP

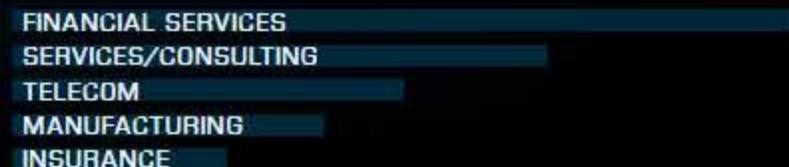


ATTACKERS
TOP COUNTRIES
(PAST 30 DAYS)



Powered by FireEye Labs

TOP 5 REPORTED INDUSTRIES (PAST 30 DAYS)



VIEW FULL SCREEN

The "FireEye Cyber Threat Map" is based on a subset of real attack data, which is optimized for better visual presentation. Customer information has been removed for privacy.

Agenda

1 | Threats Today

2 | Managing Risks

3 | Planning to Respond



Threats Today

Cyber Threats Today

This year, companies that had data breaches involving less than 10,000 records, the average cost of data breach was \$4.9 million and those companies with the loss or theft of more than 50,000 records had a cost of data breach of \$13.1 million.

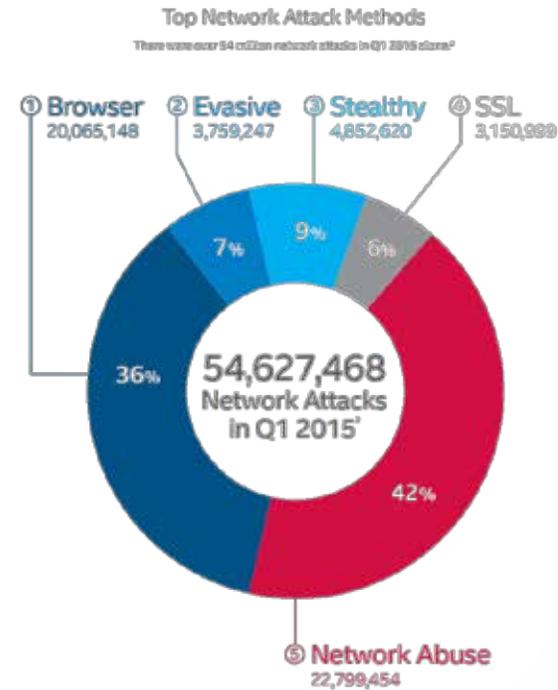
Internal actors were responsible for 43% of data loss, half of which is intentional, half accidental.

Intel Security Report, Grand Theft Data: Data exfiltration study: Actors, tactics, and detection

Cyber Threats Today

What Data Are They Taking?

Data types	Internal Actors	External Actors
Customer Information	27%	32%
Employee Information	33%	28%
Intellectual Property	15%	14%
Payment Card Information	11%	15%
Other Financial Information	14%	11%



Intel Security Report, Grand Theft Data: Data exfiltration study: Actors, tactics, and detection
Intel Security Report, Dissecting the Top Five Network Attack Methods: A Thief's Perspective

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Potential Financial Impact

- 1 | According to the Ponemon Institute, the cost of a malicious or criminal data breach in the US is \$230 per record
- 2 | Cost of a non-criminal data breach is \$158 per record
- 3 | Additional costs include:
 - Restore reputation - \$9.4 million
 - Tech support - \$2.5 million
 - Lost user productivity - \$3.1 million
 - Revenue loss and business disruption - \$3 million

Cyber Threats Today

	HACKTIVISM	CRIME	INSIDER	ESPIONAGE	TERRORISM	WARFARE
THREATS						
ACTIONS	Hackers might use computer network exploitation to advance their political or social causes.	Individuals and sophisticated criminal enterprises steal personal information and extort victims for financial gain.	Insider threat actors typically steal proprietary information for personal, financial, or ideological reasons.	Nation-state actors might conduct computer intrusions to steal sensitive state secrets and proprietary information from private companies.	Terrorist groups might seek to sabotage the computer systems that operate our critical infrastructure.	Nation-state actors might attempt to sabotage military and critical infrastructure systems to gain an advantage in the event of conflict.

CPE word #1

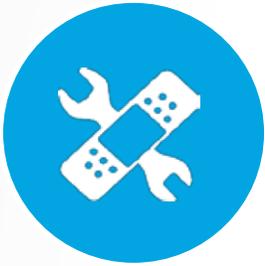
Managing Risks

A person wearing a white shirt is shown from the chest down, sitting at a desk. They are pointing their right index finger at a document that is open on a laptop. The document appears to be a spreadsheet or a form with many columns and rows. The person's left hand is resting on the laptop keyboard. The background is slightly blurred, showing other papers and office equipment. The overall scene is brightly lit, suggesting an office environment.

IT Risk Management Framework



Policies, Procedures and Updates



SOFTWARE PATCHING

Lack of software updates



ACCESS CONTROL

Who has access to your system and do they really need it?



THIRD PARTY VENDORS

Are your third party vendors secure?



PEOPLE

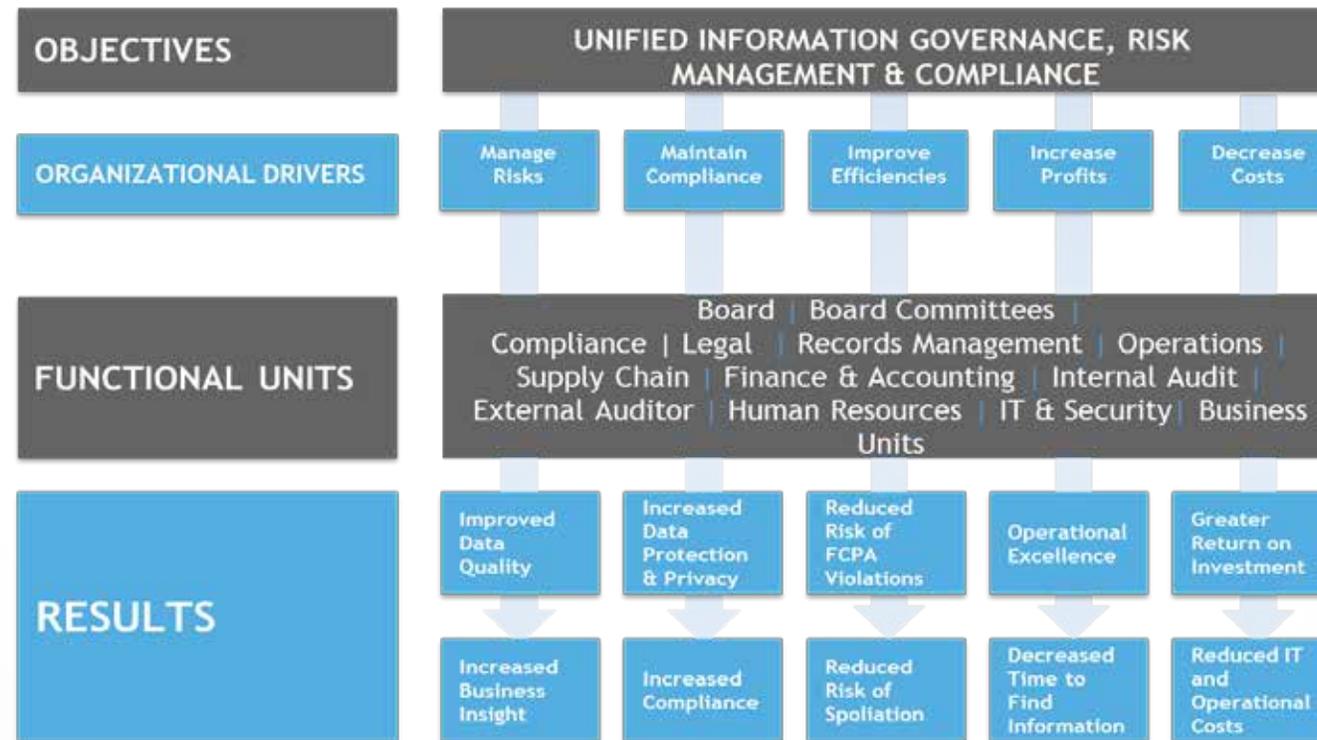
Internal actors up to no good or being exploited

Managing Cloud & Mobile Risks

- Mobile Applications (i.e., donor apps)
 - Privacy & Data Protection
- Cloud / Hosting Storage (i.e., PII, PHI, PCI)
 - Data Security, Litigation Readiness
 - Data Ownership / Access / Return
- IoT
 - Data Storage & Security
 - Data Ownership



Managing Information Risks



Managing Vendor Risks

- Ask questions...then ask more questions
- This leads to more questions
- Understand data flows, retention, sharing and usage
- Sensitize your vendor to the importance of privacy
- Get involved as early as possible to identify issues
 - Types of data
 - Process issues (ownership/access/etc.)
 - Cross-border transfers
 - Other regulatory compliance



Managing Vendor Risks

- Key provisions to consider
 - Audit rights
 - Security audit reports – SSAE 16/ISAE3402
 - Disaster recovery/business continuity
 - Compliance with laws
 - Ownership/usage/destruction
 - Indemnities
 - Warranties
 - Exclusions to limitations of liability
 - Insurance

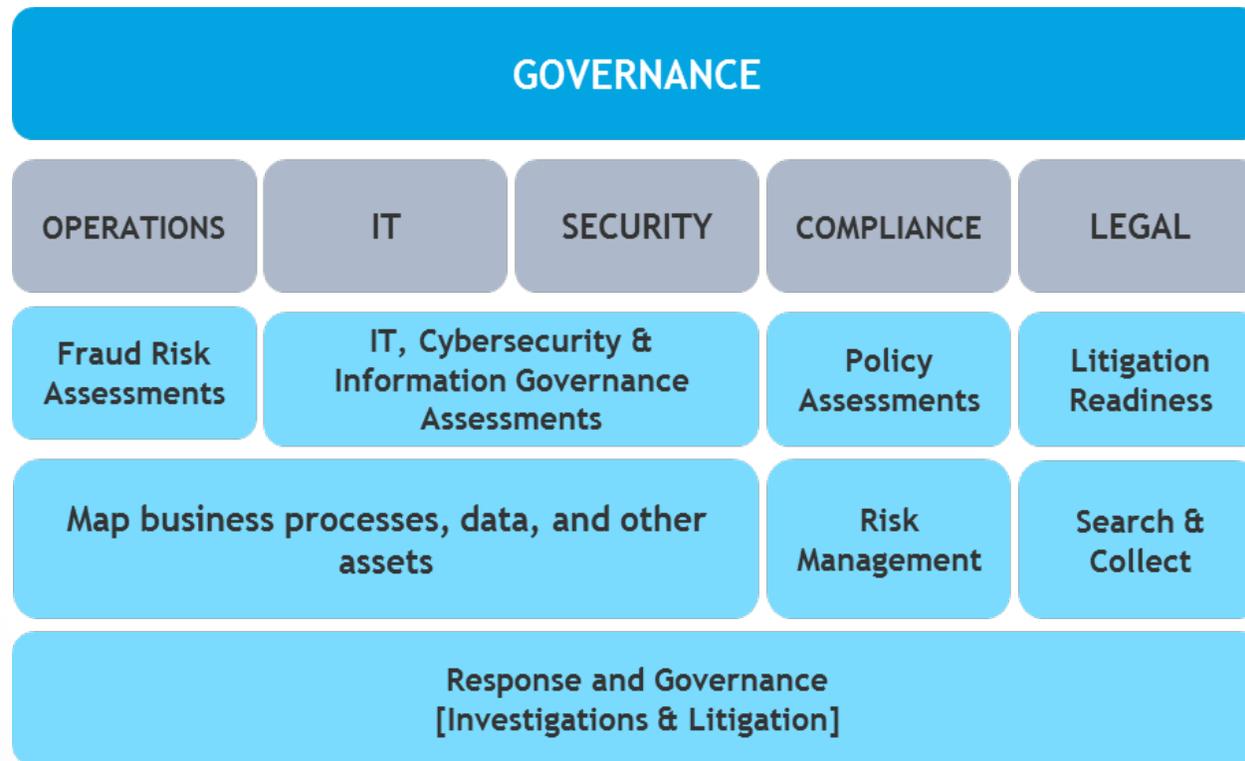


CPE word #2

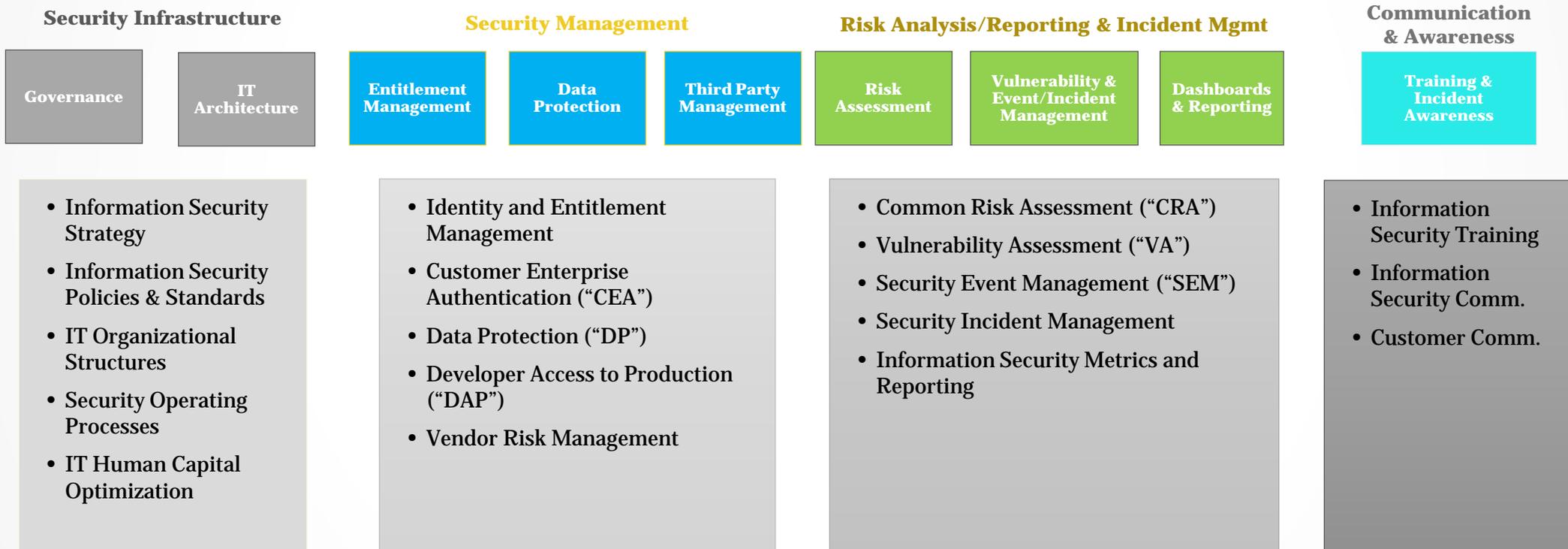
Planning to Respond

A close-up, slightly blurred photograph of a person's hands. One hand is pointing at a document displayed on a laptop screen, while the other hand rests on the keyboard. The document appears to be a form or a spreadsheet with columns and rows. The background is a soft-focus office environment.

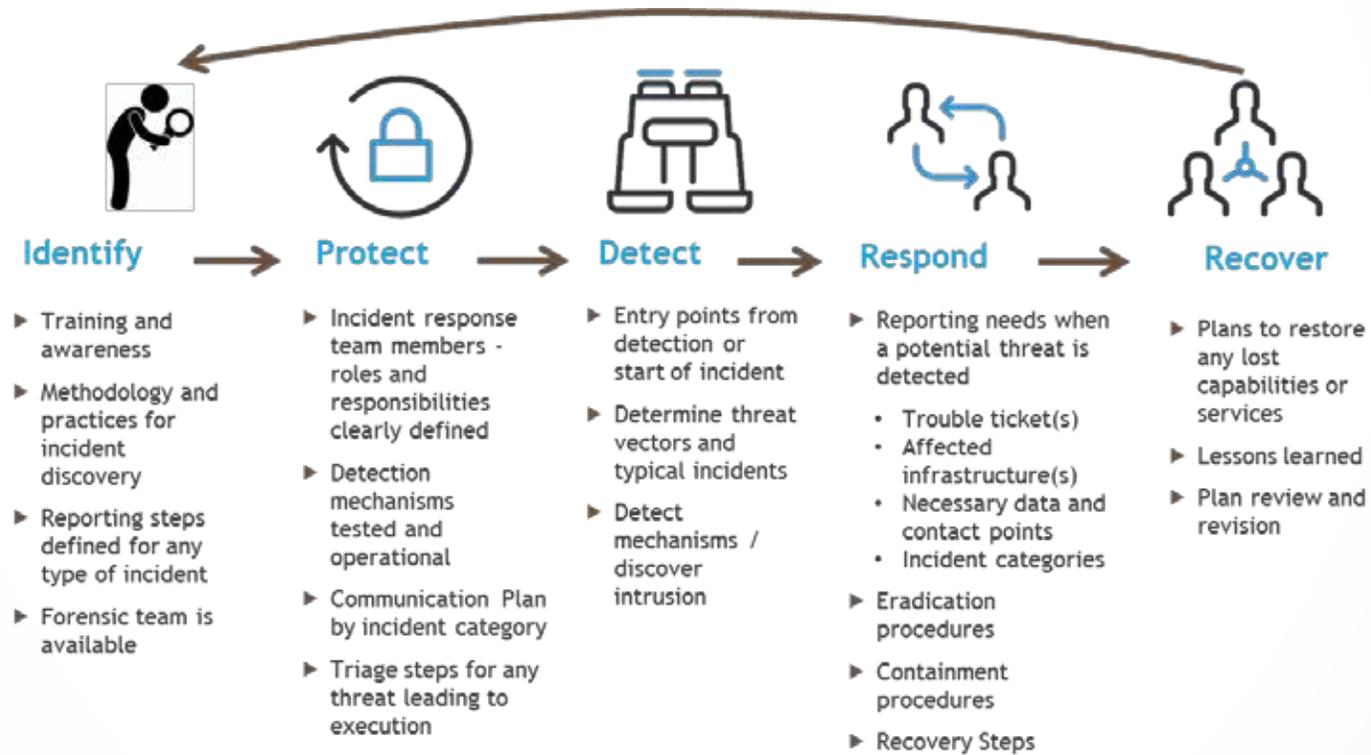
1. Develop Governance Framework



2. Focus on Data Privacy



3. Implement an Incident Handling Program



4. Update, Update, Update

- Policies & SOP's
- Vendor contracts
- Insurance policies
- Access controls
- IT plans

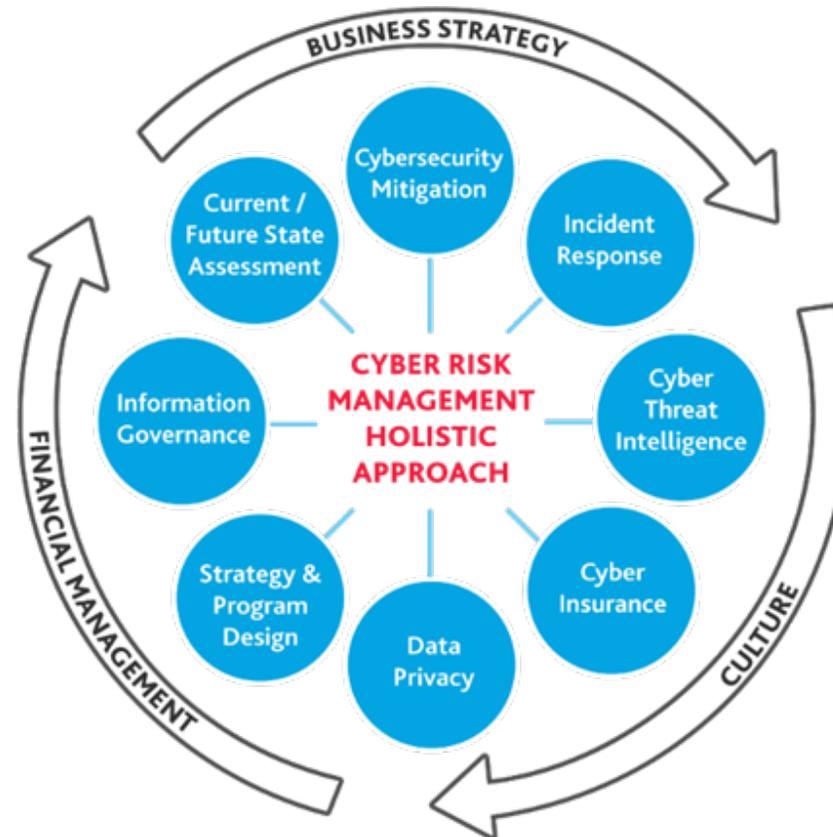


5. Communicate and Train

- Users
- Volunteers
- Board members
- Vendors



6. Implement a Holistic Cyber Risk Strategy



CPE word #3

Questions?

We'd like to hear from you!

Join Us Again

“Implications of the New Tax Law on Tax-Exempt Organizations” (webinar)

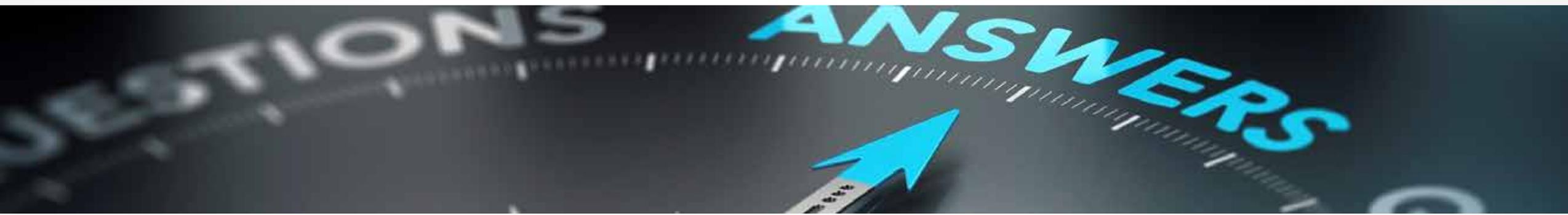
February 15, 2018

11:00 a.m. – 12:00 noon

Register at

<https://www.grfcpa.com/resources/events/implications-of-the-new-tax-law-on-tax-exempt-organizations>

Get In Touch



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