



Smart Questions About Cybersecurity: What to Ask at Your Next Board Meeting

Cybersecurity at MIT SLOAN

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cams.mit.edu

The Bad Guys Have Upped Their Game

We have to do the same!

Keeping ourselves, our families, and our organizations safe has never been more urgent and important.

1. People (including Board Members) are the biggest vulnerability today.
2. Technology (firewalls, spam collectors, etc.) cannot keep us 100% secure.

The Bad Guys Have Upped Their Game

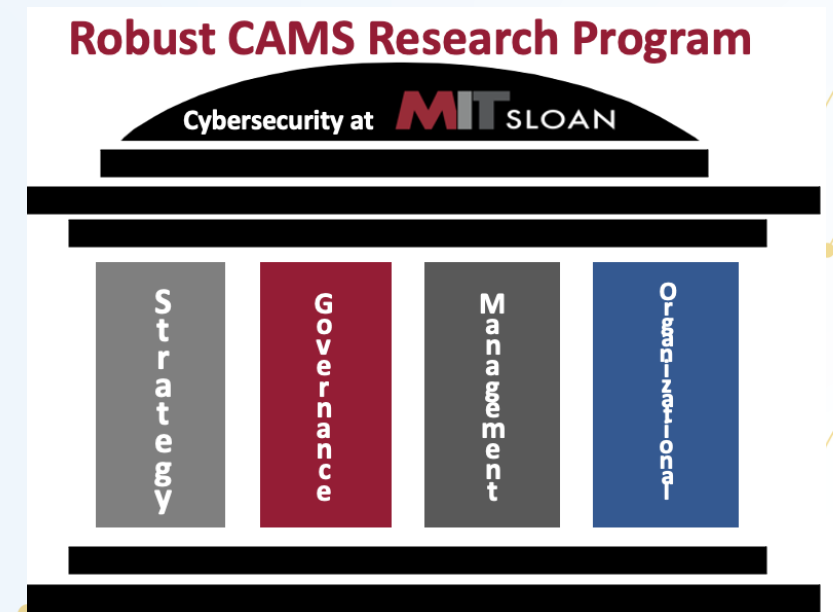
We have to do the same!

3. 90+% of breaches start with some type of 'human error'*.
 - Phishing emails (fraudulent emails to trick you into inappropriate action).
 - Fake websites (websites with fake info, bad links, or phony offers).
 - Bad files (pdf, xls, etc with extra code embedded in them).
4. Bad guys are always finding new ways into our systems (especially using our supply chain).

*For more statistics, visit: <https://www.cyberdefensemagazine.com/cyber-security-statistics-for-2019>
<https://nmsconsulting.com/4047/the-human-error-in-cybersecurity/>

Overview of Cybersecurity at MIT Sloan (CAMS – cams.mit.edu)

- CAMS is an MIT Sloan School of Management interdisciplinary research consortium.
- Our focus is on research.
 - To solve cybersecurity's most important strategic, managerial, and organizational issues.
 - To assist leaders in critical decisions they must make to keep their organizations secure.
- Our findings are shared.
 - Member only workshops and events.
 - Published papers.
 - Executive Education programs.
- Our funded sources.
 - Our primary funding is from consortium memberships.
 - Other funding avenues: directed research projects and donations.



We are International and Cross-Industry (Partial List)



Partners



BNP PARIBAS



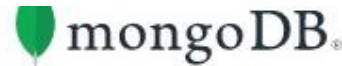
BV TECH



proofpoint.



Members



CAMS Research: Cybersecurity Leadership from the Board

What role does the Board of Directors play in keeping organizations secure?

Our research suggests that All board members must be knowledgeable participants in cyber risk management discussions.

IT Security Management | 7 Pressing Cybersecurity Questions Boards

IT Security Management

7 Pressing Cybersecurity Questions Boards Need to Ask

by Dr. Keri Pearlson and Nelson Novaes Neto

March 04, 2022



Boards May Not Understand Their Role

Cybersecurity is more than protecting data.

The prevailing approach today is defense-in-depth.

Cybersecurity is an organizational problem, not just a technical one.

Boards must be knowledgeable participants in cybersecurity oversight.

Boards must focus on risk, reputation and business continuity.

Boards Have A Critical Role in Cybersecurity Leadership

Boards have a fiduciary responsibility for oversight and to ensure protection against large threats to an organization.

Cybersecurity vulnerabilities are a large threat.



The US National Institute of Standards and Technology (NIST) Cybersecurity Framework provides a great outline of the most important areas for your cybersecurity strategy.

Seven Questions to ask at your next Board Meeting

7. Is our cybersecurity investment enough?

6. What are our business recovery plans in the event of a cyber incident?

5. What is the board's role in the event of an incident?

4. What are our response plans in the event of an incident?



1. What are the most important assets to protect?

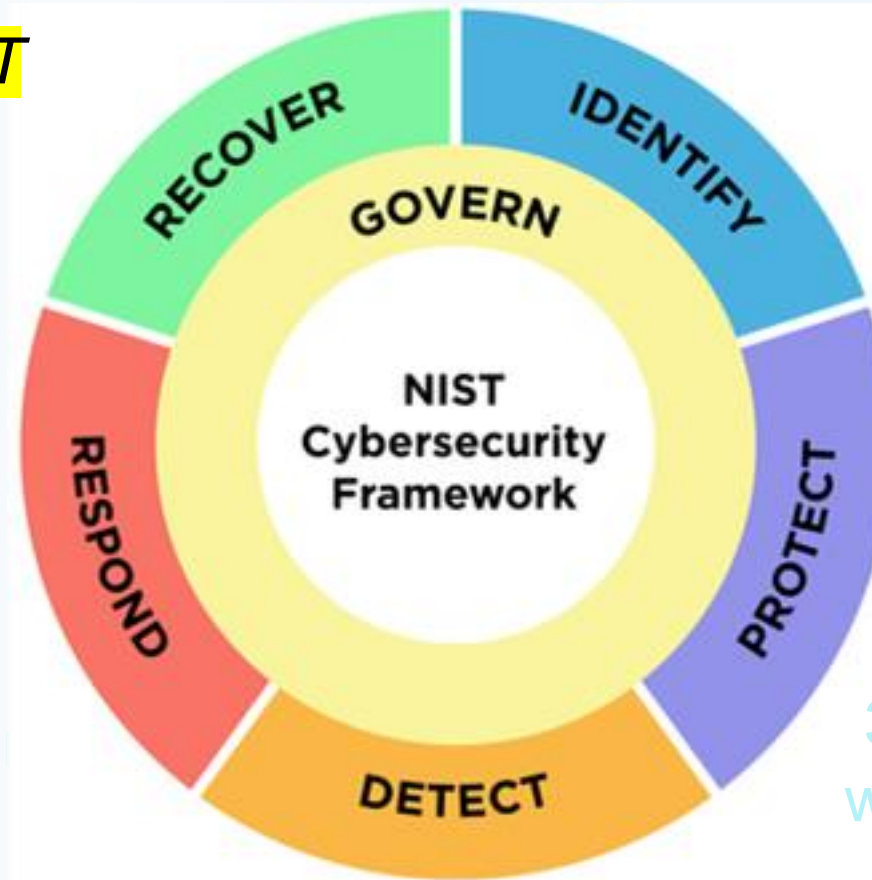
2. What are the layers of protection we have put in place?

3. How do we know if we've been breached?
How do we detect a breach?

Seven Questions to ask at your next Board Meeting

NIST now has added a sixth, the "govern" function, which emphasizes that cybersecurity is a major source of enterprise risk and a consideration for senior leadership.

Credit: N. Hanacek/NIST



event of a cyber incident?

5. What is the board's role in the event of an incident?

4. What are our response plans in event of an incident?

(NIST) has released a draft version of the Cybersecurity Framework (CSF) 2.0, a new version of a tool it first released in 2014 to help organizations understand, reduce and communicate about cybersecurity risk.

3. How do we detect a breach?

Read the paper

Harvard
Business
Review

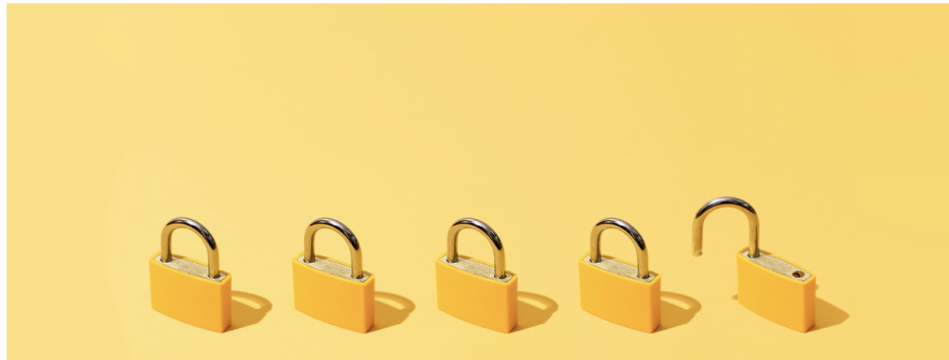
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THANK YOU!

Check out our newly developed program for Boards of Directors,
Cybersecurity Governance for Boards of Directors
and other programs at the MIT Sloan Executive Education Programs at
<https://executive.mit.edu/>



More info available at: <https://cams.mit.edu> or
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