

Board Level Balanced Scorecard for Cyber Resilience

Dr. Keri Pearlson, Mridula Prakash

Date 09/07/2023 CAMS - (IC)³ • https://cams.mit.edu



1

Background Assumptions:



Boards have oversight and fiduciary responsibility to help organizations make better business decisions and manage business risks.

Since we cannot be 100% secure, organizations need to invest in being cyber-resilient. Protection is part of resilience but resilience is more than protection.

Most organizations focus their cyber resources on cyber protection not cyber resilience. So, their boards are also focused on protection.

© 2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies or to use any of these materials, please contact kerip@mit.edu

Audience Participation

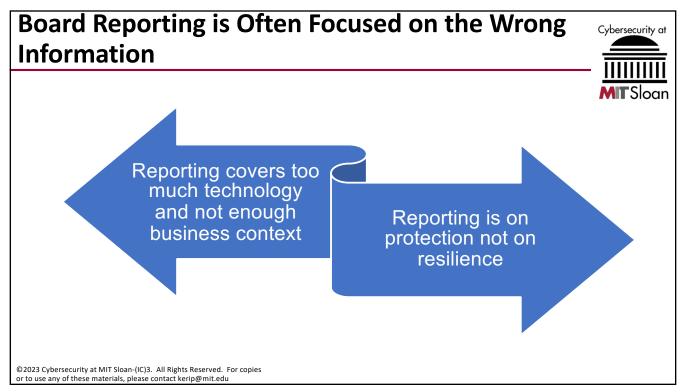


What would you report to the board if their focus was cyber resilience, instead of cyber protection?

Would you report something different than you report today?

© 2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies or to use any of these materials, please contact kerip@mit.edu

3



Our Research Project Asked this Question:



What is the appropriate information for boards to receive to execute their oversight responsibilities and ensure their organizations are cyber resilient?

©2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies or to use any of these materials, please contact kerip@mit.edu

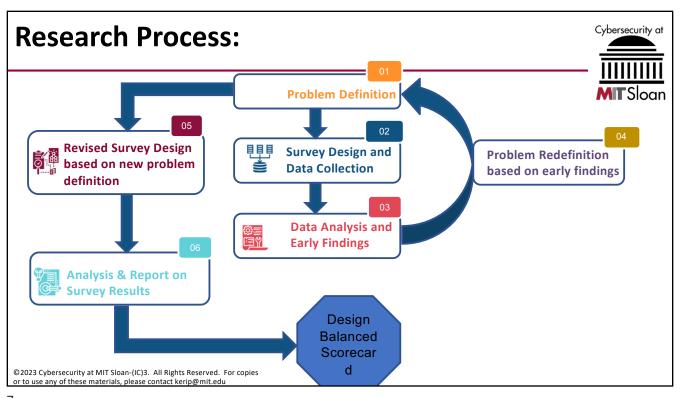
Our Research Project Asked this Question:



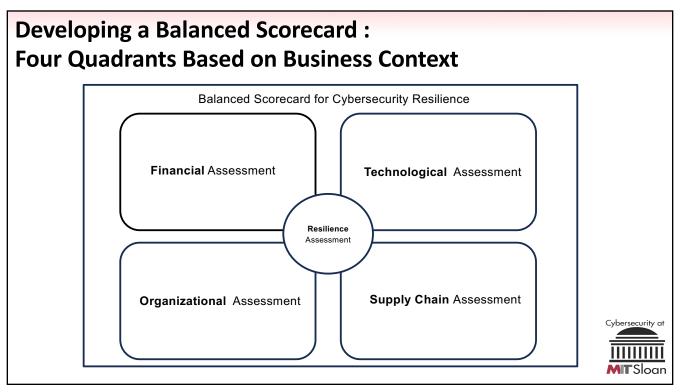
What is the appropriate information for boards to receive to execute their oversight responsibilities and ensure their organizations are cyber resilient?

Our research resulted in a board-level balanced scorecard for cyber resilience (BSCR).
©2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies

or to use any of these materials, please contact kerip@mit.edu

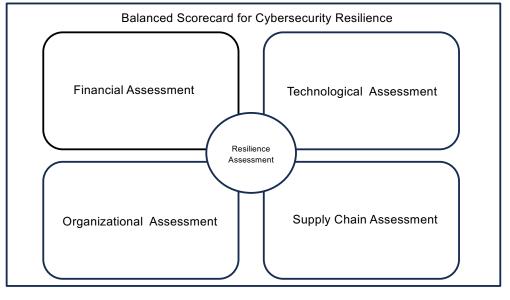


/

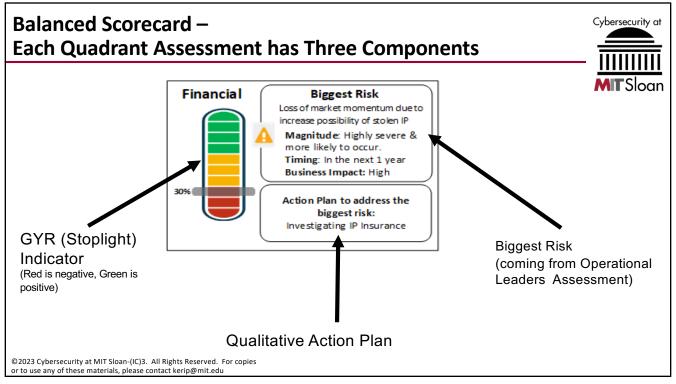


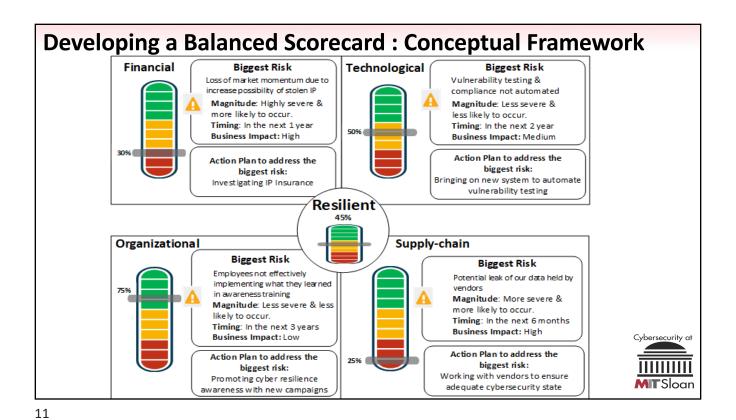
Cybersecurity at

Developing a Balanced Scorecard: Each Quadrant Reports the Biggest Risk and What We Are Doing About It.

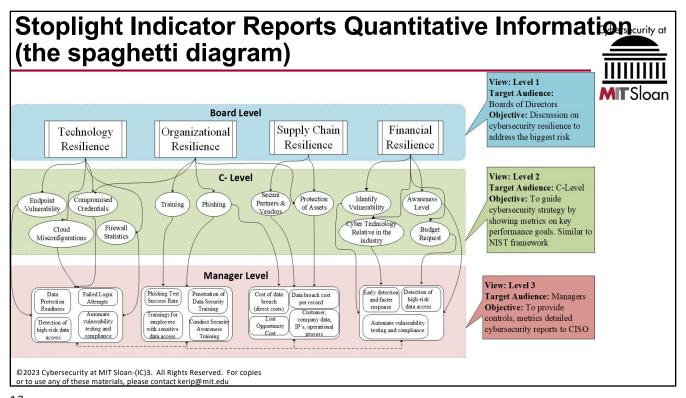


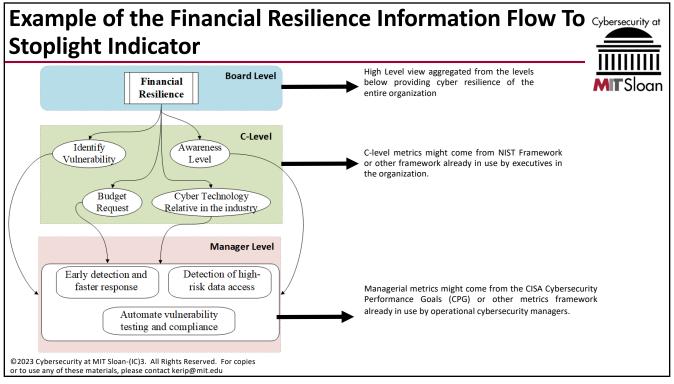
C





Qualitative Assessment Reports the Biggest Risk and What Cybersecurity at We are Doing About It **Financial** Biggest Risk Loss of market momentum due to increase possibility of stolen IP Magnitude: Highly severe & more likely to occur. Timing: In the next 1 year Business Impact: High Action Plan to address the biggest risk: Investigating IP Insurance Biggest Risk: C-level leaders share what they Qualitative Action Plan: C-level see as the biggest risk to leaders share what their plan is to organizational resilience. address this risk. ©2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies or to use any of these materials, please contact kerip@mit.edu





We'd like your feedback: Discussion Questions for Today



1. How do you define cyber resilience? Does your Leadership team or Board talk about resilience (or just protection)?

© 2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies or to use any of these materials, please contact kerip@mit.edu

15

We'd like your feedback : Discussion Questions for Today



- How do you define cyber resilience? Does your Leadership team or Board talk about resilience (or just protection)?
- 2. What is the best information for the Board to have to provide oversite of operational leaders plan for cyber resilience?
- 3. What are the main business areas of cyber risk? We included financial, technical, organizational, and supply chain. What else would you suggest we include?
- 4. Please provide addition ideas and feedback on the balanced scorecard.

© 2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies or to use any of these materials, please contact kerip@mit.edu



Thank You

For further questions reach out to:

mridula@mit.edu kerip@mit.edu

© 2023 Cybersecurity at MIT Sloan-(IC)3. All Rights Reserved. For copies or to use any of these materials, please contact kerip@mit.edu