Building Board Support for a Cybersecurity Program

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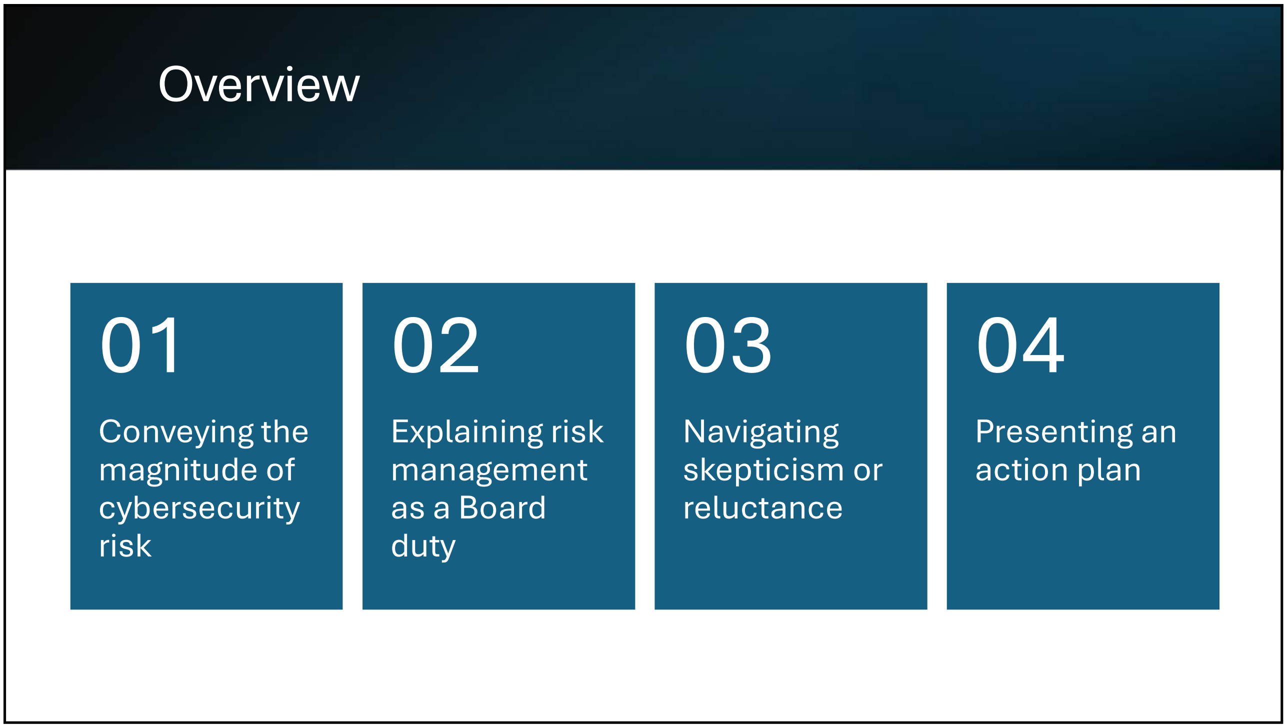

Overview

01 Conveying the magnitude of cybersecurity risk

02 Explaining risk management as a Board duty

03 Navigating skepticism or reluctance

04 Presenting an action plan

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Current industry environment

- Cybersecurity risks threaten numerous industry sectors
- No sector is immune from intentional adversarial attack; even “mischief makers” can cause significant harm
- Average impact of data breach for a small business (fewer than 500 employees) is $3.31 million
  - Data breaches can be unintentional, the result of employee carelessness or error

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Current regulatory environment

- **Even if business does not respond, government is imposing standards**
- **Coordination among Federal agencies**
  - **NIST CSF: Minimum practices – Identify, Protect, Detect, Respond, Recover**
  - **CISA: Target discovery; vulnerability scanning; recommendations**
  - **ICT SCRM Task Force**
- **Will the FCC “get in the game”?**

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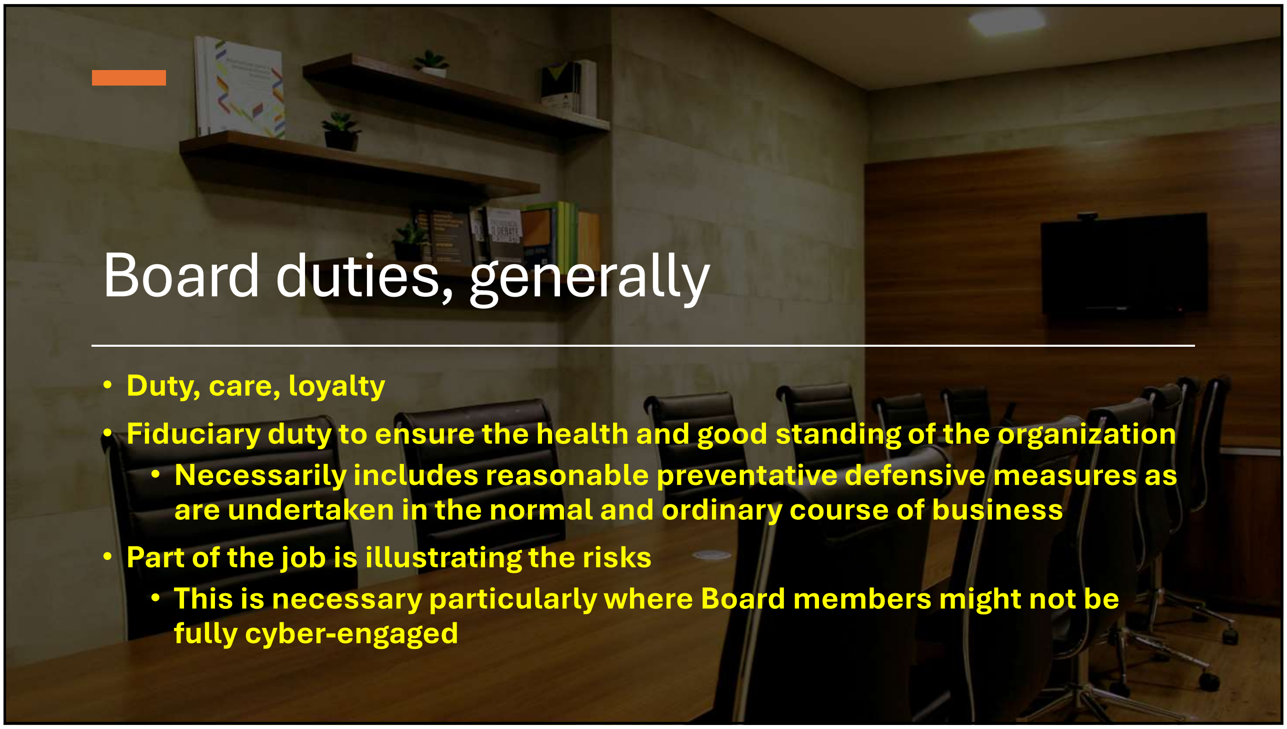

Board duties, generally

- Duty, care, loyalty
- Fiduciary duty to ensure the health and good standing of the organization
  - Necessarily includes reasonable preventative defensive measures as are undertaken in the normal and ordinary course of business
- Part of the job is illustrating the risks
  - This is necessary particularly where Board members might not be fully cyber-engaged

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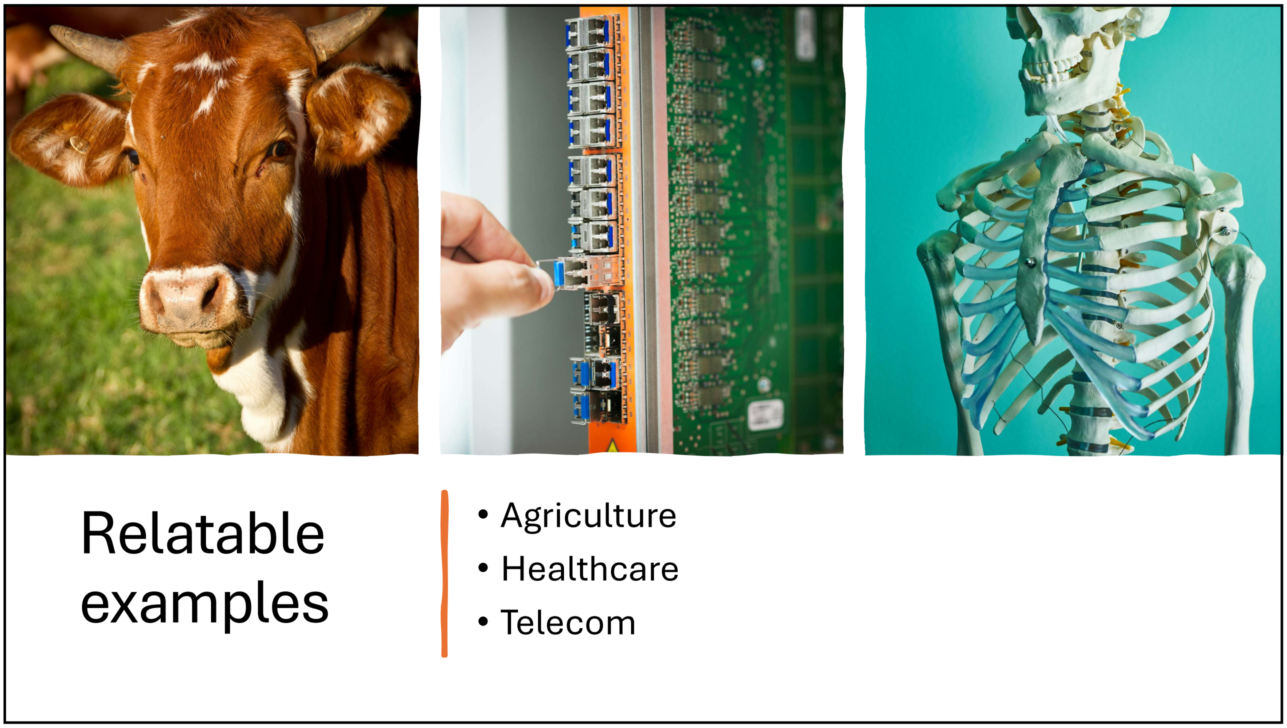

Relatable examples

- Agriculture
- Healthcare
- Telecom

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Costs, and cost avoidance

- Businesses may consider that a breach is not a question of “if,” but “when” - and to what extent
- Globally, 48% of small and mid-sized businesses have suffered a cyberattack in the past years
- 73% of small U.S. businesses have reported an attack
    - Even a successfully defended attack is an attack

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Cybersecurity and business objectives

- First: Protect the fort
- Second: Help others
    - Revenue stream?
    - Community engagement/ goodwill

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CISA vulnerability scanning (not difficult, but detailed)

- Asset inventory
  - Networks
  - Systems
  - Hosts
- Vulnerability identification
  - Potential vulnerabilities
  - Configuration weaknesses
- Recommendations for enhancement

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CyberShare

The small broadband provider ISAC

- **What:** Cyber threat information sharing forum tailored to small broadband providers
- **Why:** Small providers lack dedicated cyber resources
- **Who:** Small providers
- Includes:
  - Daily report of threat indictors with analysis
  - Weekly technical report
  - Two scheduled calls per month that cover a variety of topics.
  - Secure information portal in which providers may share actionable threat intelligence with other participants and access secure documents.

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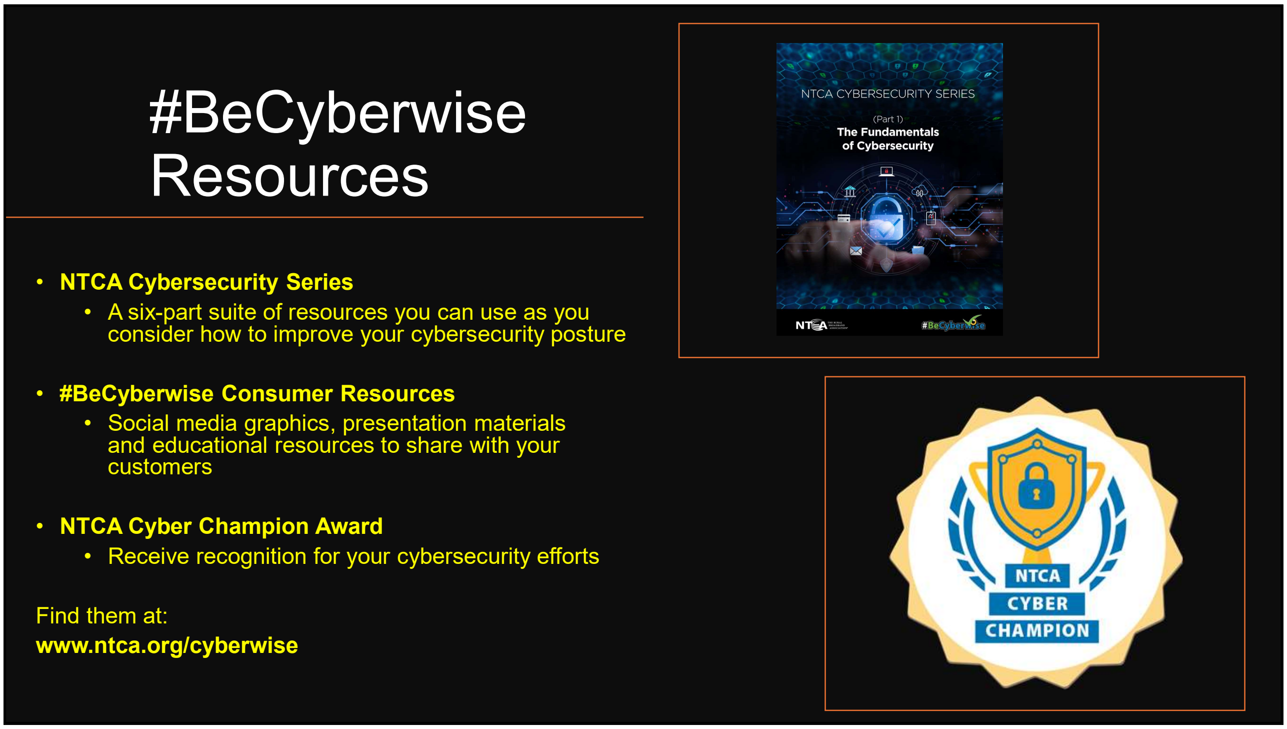

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Thank you

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