

## Information Security for Managers

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Protect workforce & corporate assets

Formulate policies, procedures, practices

## Internal vs. External

Attacks can come from within an organization (internal)

**OR**

Outside of the organization (external)

**Risk** The potential for harm or damage to be caused to people or assets from a potential threat.



# Definitions

**Risk** The potential for harm or damage to be caused to people or assets from a potential threat.

**Governance** Use of best practices, standards, and requirements to reduce risks.

### **HIPAA Health Insurance Portability and Accountability Act**

Health care providers required to secure PHI  
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## **FERPA Family Educational Rights and Privacy Act**

Gives parents access to their child's education records  
At age 18, rights transfer to the student

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- Create plans for risk mitigation, disaster recovery, business continuity, etc.



# Regulators & Requirements

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Managers may be required to

- Perform risk analysis
- Conduct threat and vulnerability assessments
- Create plans for risk mitigation, disaster recovery, business continuity, etc.
- Conduct criminal forensic analysis

## Cost - Direct Losses

- Loss – Stolen IP
- Loss – Lost business

## Cost - Lawsuits

- Downstream lawsuits
- Upstream lawsuits

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Due Process can take long → SLAPP

Strategic Lawsuits Against Public Participation

# Asset Planning - What Needs to be Protected

1. Enumerate assets (and their value)
2. Prioritize the assets (CIA)
  - 2.1 Confidentiality
  - 2.2 Integrity
  - 2.3 Availability
3. Determine how to protect assets

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Methodologies such as FIPS (Federal Information Processing Standards) can help



**IDS** – Intrusion Detection Systems (Wireshark & SNORT)