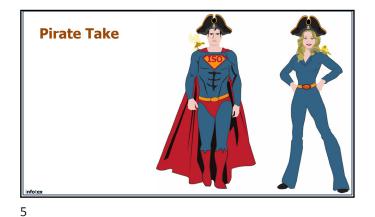




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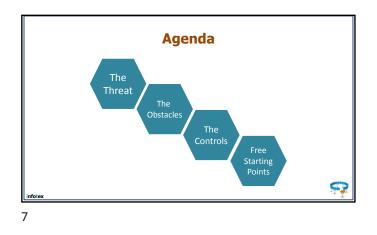
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How many of you know me?How many of you have seen me speak?
```











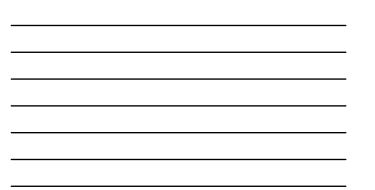












But to the first two ...
>85% of breaches include a human element; usually social engineering. (Verizon Data Breach Report 2021)
> There are far more breaches in the first two categories than the third.







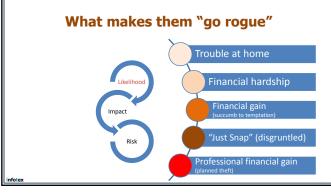
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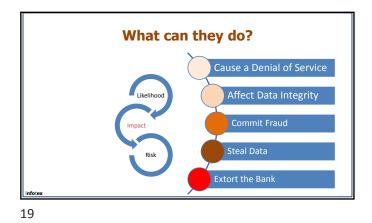














#### What the FFIEC says they can do . . .

- ➢ Alteration of data.
- > Deletion of production and backup data.
- Misdirected data.
- > Disruption of systems.
- $\succ$  Destruction of systems.
- $\succ$  Misuse of systems for personal gain or to damage the institution.
- $\succ$  Appropriation of strategic or customer data for espionage or fraud schemes.
- Extortion

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#### Meanwhile, the government . . .

- > In 2019, the FBI highlighted the insider threat as one of the leading new risks for 2020.
- >OCC and FDIC both described "malicious insider threat" as one of the substantial new risks for 2020.
- > The Cybersecurity Infrastructure and Security Agency published its risk assessment in 2021.

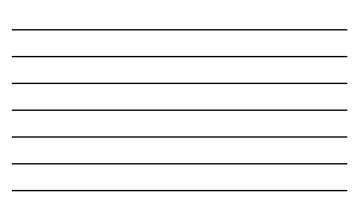
FFIEC FEDERAL FINANCIAL INSTITUTIONS EXAMINATION COUNCIL









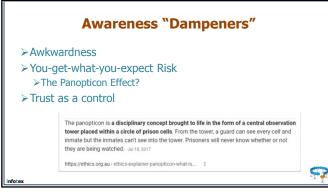
## A few more questions > How many have formally discussed the insider threat in the year? > How many have informally discussed the malicious insider threat with somebody in your bank in the last year? > 6 months? > Last Week?

**\$** 

**Bank Insiders - The Scourge of The Seven Seas** SunTrust Bank On April 20, 20 ntered a data reach that mig ersonal information ust gained tomer's names, The financial fi VI authorized a ( count numb Hov Fortunately, the arre security numbe fou investigation, to investigation, to data like social till under the neasures to heig con: damage IL May 12, 2021 by Extinction Rel rompile with a scheme to from the Psychock Protection from the Psychock Protection from the Psychock Psychological from the Psychological e.

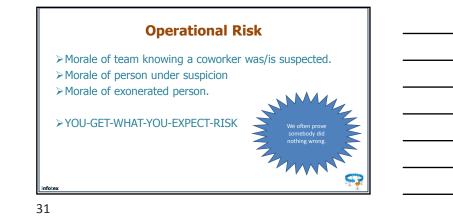
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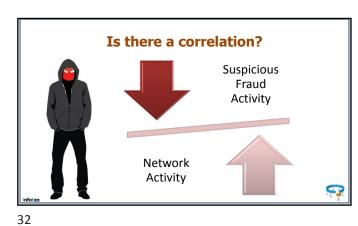


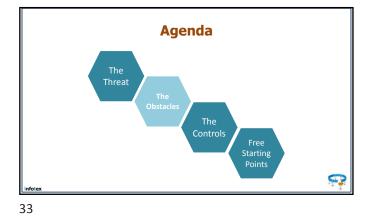


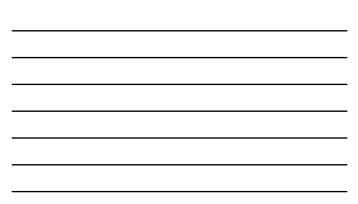


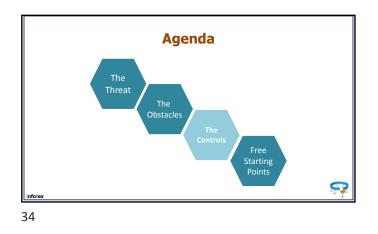




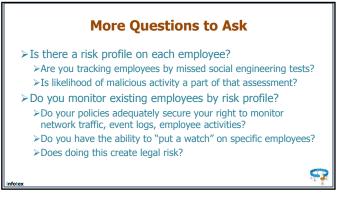




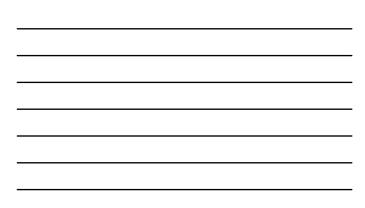












#### **The FFIEC Control Suggestions**

- ➢ Principle of least privilege
- ≻Align job descriptions to access.
- ≻ Define user profiles.
- > Ongoing access reviews / independent activity monitoring
- >Timely notification of job changes, including terminations.
- Distribution of system administrator activities
- ≻Cross-training

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#### **Program Management Goals**

- 1. An insider risk policy exists.
- 2. There is detect, identify, assess, and manage capability for insider incidents
- 3. Communication about insider risk events happens
- 4. Insider risk is integrated with the enterprise risk program (ERP) and/or security risk management program.
- 5. Mission-critical assets are known.



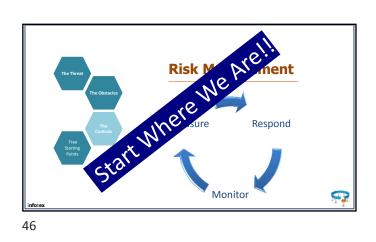
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#### **Personnel and Training Goals**

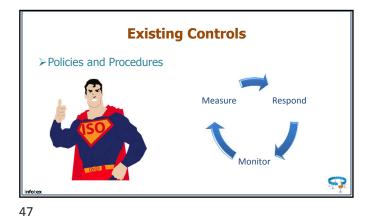
- 1. Organization-wide Participation
- 2. Multi-disciplinary Insider Risk Team
- 3. Insider Risk Team is Trained on Insider Risk
- 4. New Employees are made aware of the Insider Risk program as part of initial training.
- 5. Insider Risk Training is provided for all organization personnel
- Role-based training provided to Insider Risk Team
   Managers and supervisors receive training.



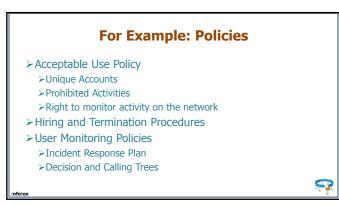












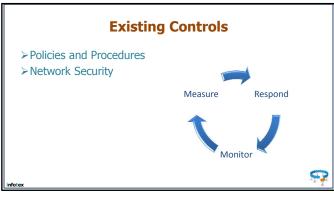


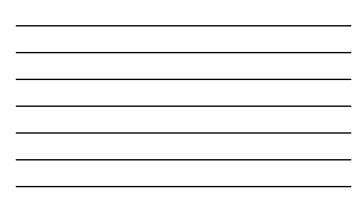
For Example: Policies	
> Acceptable Use Policy	
>Unique Accounts	
> Prohibited Activities	
➢Right to monitor activity on the network	
Hiring and Termination Procedures	
> How robust are your background checks, really?	
> How quick can you CONFIRM a termination is off all assets, really?	
➤ User Monitoring Policies	
>Incident Response Plan	
> Decision and Calling Trees	7







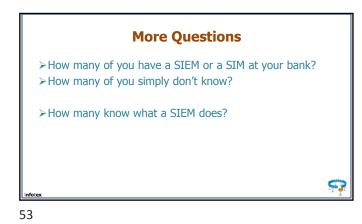




#### **Network Security Controls (insider)**

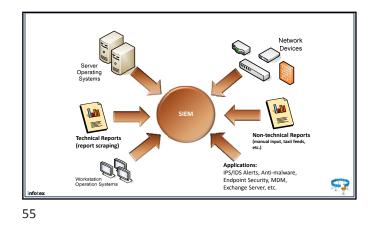
- ≻Password Policies
- Privileged Account Management
- ≻Endpoint Security
  - ≻Data Loss Prevention
  - ≻Email Filtering and Monitoring
- Network MonitoringMonitoring of specific assets or users

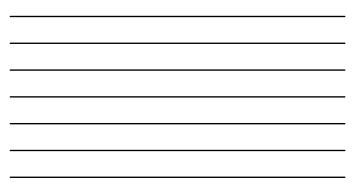


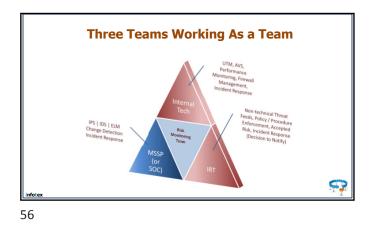




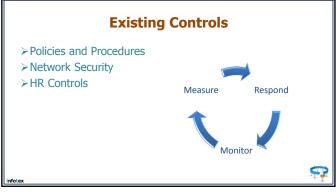


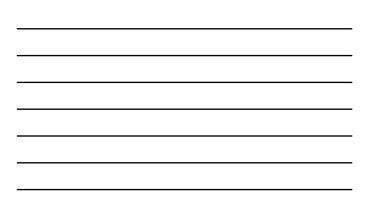












#### **HR Controls**

- ➤ Termination Procedures
- ➤ Fraud Monitoring
- ≻Segregation of Duties
- ≻Vacation Policy



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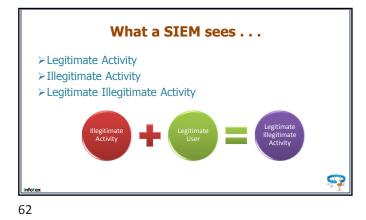












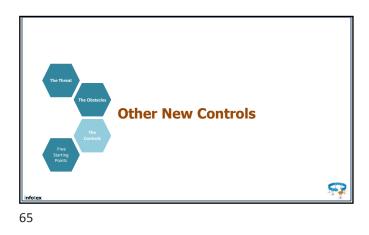


### How to add MIT to visibility

- $\succ$  Establish a secure line of communicate between your fraud person and the M-SOC or SOC.
  - $\succ \mbox{To}$  mitigate legal risk, this cannot be visible to the IT Team
    - They have to be listed in the contacts database, and create a pass phrase (or opt for the call-back)
    - > Requires a phone call to NOC Line
    - Requires the recipient of the PAW to receive the PAW Reports via secure messaging.

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# At a minimum > Teach your incident response team to escalate heightened threat scenarios to your SOC or MSSP. > They will add it to their "threat hunting" activities.





