SANS SCADA 2011

Electric Sector Panel - Beyond Compliance

To Compliance and Beyond !

Nice place to live, not visit

Compliance ≠ Security

Hypothetical Example

- Name an entity CIP Senior Manager
- Perform risk based assessment
- Identify zero critical assets
- Rinse and repeat annually

- This example results in compliance with little added security

Security ≠ Compliance

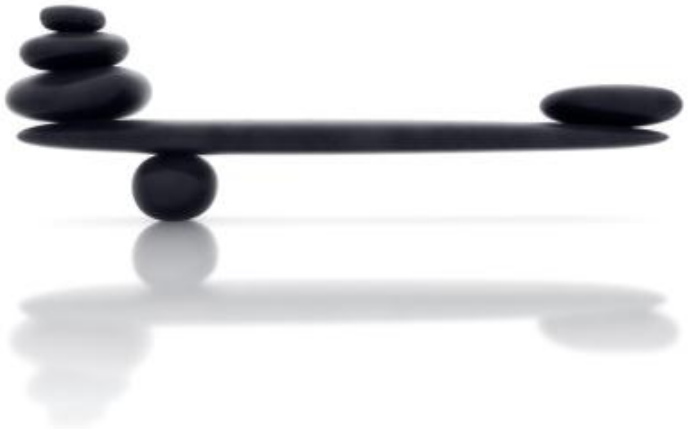
Hypothetical Example # 2

- Lock down every computing asset
- Implement Data Diodes on every routable connection
- Completely island all command and control assets on a single net
- Assume all of your cyber assets are secure / exempt from the standards
- Assume the corporate compliance department has you covered

- This example results in security with low likelihood of compliance

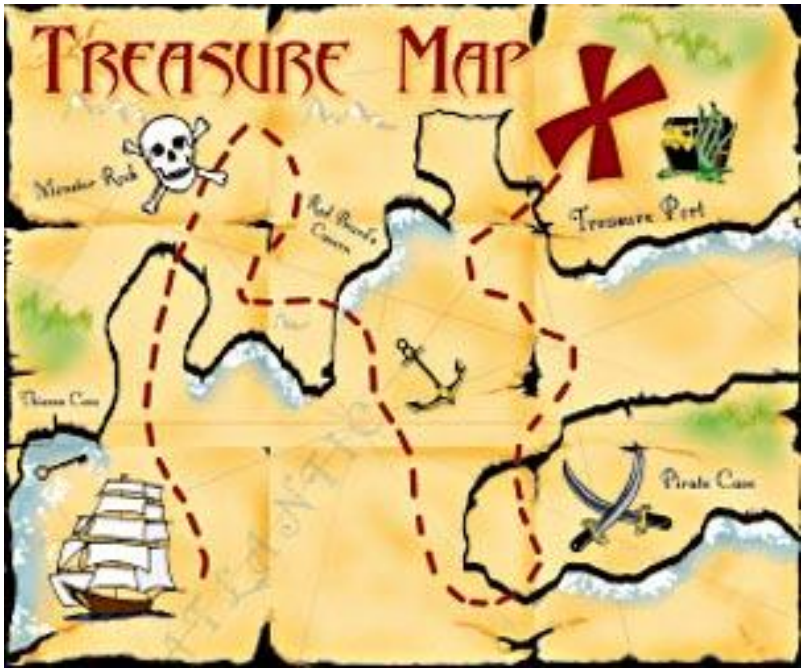
Ensure Balance

- Do not over invest in one and ignore the other
- Pursue both compliance and security
- Architect security or compliance investments to compliment the other
- Utilize Continuous Compliance tools or Active Policy Enforcement tools



How do you get there?

- People
- Money
- Training
- Tools



How do you get there?

- Tool Examples
  - Directory policy enforcement
  - Access requirement enforcement
  - Default / Shared account enforcement
  - Document management enforcement
  - Compliance management enforcement
  - Change management enforcement
  - Network Cyber access enforcement

Questions