

How do you move the asymmetric imbalance?



© 2016 Carnegie Mellon University Approved for Public Release; Distribution is Unlimited

Adopt a Risk Management Approach



Assess critical assets

Identify and assess threats and vulnerabilities to those assets

Develop security policies and practices based on assessment

Focus on Resilience



Revise system and network architectures to reduce attack surface for critical assets

Treat security as a firstclass requirement in acquisition and development

Continuously monitor networks and systems

Limit Damage/Reduce Recovery Costs



Use pre-established response processes

Plug into information resources that alert you to newly discovered vulnerabilities

Train all employees to understand their security roles and responsibilities

Capture lessons learned to refine policies and practices

What are the inhibitors to gaining asymmetric advantage?



SEI Experience Identifies Two Main Inhibitors



Failure to control system and network configuration

Failure to treat cybersecurity as a early design requirement

How do you measure ROI on resilience vs. security?



© 2016 Carnegie Mellon University Approved for Public Release; Distribution is Unlimited

Gauge ROI According to Effect on Disruption



ROI on resilience addresses ability of organization to operate during and after disruption

ROI on security addresses organization's ability to prevent a disruption from occurring