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Enterprise Security Program
People and Processes

510 - Data Security and Privacy: Legal, Policy, and Enterprise Issues
University of Michigan School of Information
Week 12

More Alphabet Soup

- CRM – Customer Relationship Management
- ERM – Enterprise Risk Management
- ERP – Enterprise Resource Planning
- SDLC – Systems Development Life Cycle
  - Infosec Life Cycle - Measure, improve, manage
- AAA - Authentication, Authorization, Accounting

Loss Causes

- E-commerce boom.
  - Pressures to deploy.
- Attacks – growth and complexity
- Immature security market
- Staff shortage
  - Expertise critical. Certifications secondary
- Mobile workforce and wireless
- Lack of unified approach
- Lack of ROI justification

Security Incentives

- Laws/regs
- Self-regulation
- Shareholders
- Customers
- Employees
- Business advantage
- Good citizenship?

People

- Strategy – approach
- Components – skills
- Administration – management

Processes

- Strategy
- Components - elements
- Administration

Cross Check

- Set long term goals for truly effective security program
- Audit

Evaluate

- Comprehensive ERM
- Overall governance programs and management commitment
- Overall business continuity and disaster recovery programs
- Identify core business initiatives on which most comprehensive IT check necessary
- Information security programs
- Compliance and ethics programs

More to Evaluate

- Records management systems and procedures
- IT understanding of business needs and efforts to factor them
- Process management
- Anti-fraud programs
- Quality of information used for decision-making