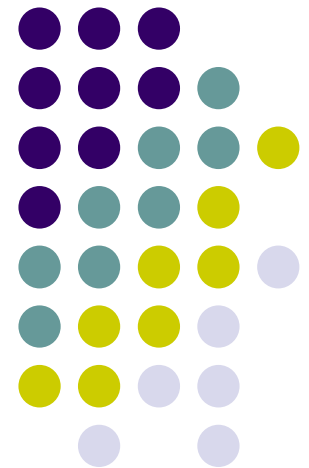


# IT Security and Project Management

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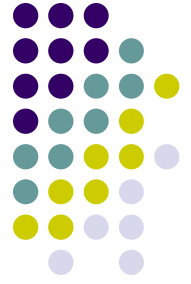
By Edward Pereira PMP CGA CISA  
& Teresa Lee PMP

10 February 2010



# What is IT Security?

- Definition



# What is IT Security?



Significance within a system development life cycle (SDLC)

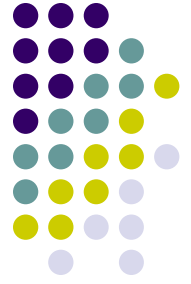
- Impacts
- Security controls in each phase
- Value of baking in security early

# IT Project Considerations



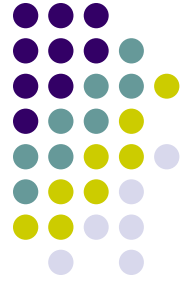
- Protection of Project Artifacts
- Protection of Newly Created Intellectual Property

# IT Security Framework & Standards



- ISO 17799, 27002
- SOX – Sarbanes Oxley
- Multilateral Instrument - MI 52-109
- PCI – Payment Card Industry

# Types of Professional Certifications



- CISA – Certified Information Systems Auditor
- CISM - Certified Information Security Manager
- CISSP – Certified Information Systems Security Professional



# Initiation of IT Security Projects

- Incident
  - Virus outbreaks
  - Stolen notebooks
  - Investigations
- Audits
  - Technical IT audits
    - Firewalls
    - Operating system configurations
    - User awareness
- Legislation
  - Privacy of Information (I.e. PCI)
  - Corporate governance (I.e. Sarbanes Oxley)
- Policy
  - Acceptable Use Policy



# Types of IT Security Projects

- Software
  - Ie. Asset recover, upgrade, implementation
- Hardware
  - Ie. Firewall, intrusion prevention system
- Infrastructure security
  - Ie. Re-VLAN project
- IT Security awareness campaign



# Workshop: IT Security Awareness Campaign

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