SECU
RQUAL: An Instrument for Evaluating the Effectiveness of Enterprise Information Security Programs

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Outline

- Background
- Questions Addressed
- Results
- Future
Background

- What characteristics of internal audit impact information security?
  - IA and Top management influence relationship
- Difference between people oriented aspects and technical aspects
- Need to understand activities impact infosec
  - Data very hard to obtain
  - Must address multi-faceted infosec programs
Questions addressed

• Not just components of information security but also level of development

• Different levels of Infosec effectiveness
  – Incidents that result in harm to firm
  – Incidents detected AND stopped
  – Noncompliance Issues
  – Internal control weaknesses

• Methods to develop instrument
  – Questions that would be answered
  – Instrument that can be completed
  – Questions that make sense
Results

![Diagram showing relationships between Cobit Security and other variables with significance levels]

- Significant at $p < 0.10$
- **Significant at $p < 0.05$**
- ***Significant at $p < 0.01$**
Future

• Trends – predictive
• Test of European firms
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