

OIA Audit Coverage of IT Security

March 15, 2016



IT Security Audit Coverage

- IT Security Risks
 - Compliance to legislation and regulations
 - Impairment of business activities or performance
 - Decline in customer confidence or business reputation
 - Financial loss
- Risk Assessment Process
 - Industry information
 - Management discussions
 - Citizens' environment
- Audit Coverage
 - Large scale audits/advisory projects
 - IT Security embedded into many audits - pervasiveness of controls

IT Security Audit Coverage

Key Security Themes

Audits

Governance

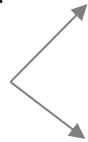
Org Structure
Strategies
Risk Assessment
Policies
Procedures
Compliance
Incident Mgmt.



2014 Incident Response
Advisory Work
2016 IT Governance
Policies and Procedures are reviewed in all audits

Data Loss Prevention

Vulnerability Mgmt.
Penetration Testing
Data Encryption
Media Disposal
Anti-Virus/Malware
Monitoring



2012 Data Privacy
2012 Network Mgmt.
2014 Network Assessment
2016 Network Architecture & Design
Ongoing project monitoring of control uplifts

Key Security Themes

Audits

Access Controls

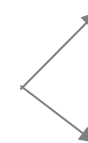
Applications
Databases
Operating Systems
Network Devices
Third Party Access
Segregation of Duties
Logging/Monitoring



2013 CORE Claims Testing
2013 Security Access
2014 Data Warehouse
2014 IT General Controls
2014 Social Media
2015 Server Virtualization
2016 Third Party Access

Security Integration to Operational Processes

Systems Development Life Cycle
Change Management
Backups
Third Party Contracts
Vendor Management
HR Hiring/Terminations
Business Continuity



2013 IT General Controls
2014 IT General Controls
2014 Disaster Recovery Testing
2015 Systems Development Life Cycle
2016 Change Control
2016 Cloud SaaS Governance
2016 Data Center & Contract Management