



BOV Committee on Audit, Risk and Compliance

Cyber Security update

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Agenda

Security Principles

Update on cyber
security work

Cyber security
Action Plan

Principles and Philosophies

- W&M considers Cyber risk as an **enterprise-wide risk** and is one of the main categories discussed at the Enterprise Risk Management committee.
- Cyber risk preparedness and response is a **collaborative** work between, IT, Campus Police, Internal Audit and university leadership.

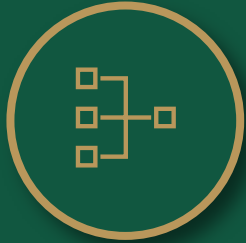
Cyber Security update

Harden identity management by broadening use of **two factor authentication** and **eliminating dormant accounts**

Fully staffed all vacant security team positions.

Updated outdated **policies and procedures**

Consolidated the **Cyber Security Liability Insurance** with higher limits



Cyber Security update

Completed annual **cyber security training** for all employees & launched **simulated phishing** attack testing

Conducted annual **IT risk assessment** and system penetration testing to proactively identify threats

Audited department use of enterprise system at the business units' level

Modernized DDoS monitoring/mitigation and centralized event logging



Cyber Security Metrics

- Technical Metrics
 - Reporting of incoming mail by type (i.e., phishing, malware, good, etc.) (daily)
 - Un-remediated vulnerabilities past 30 days (quarterly)
 - Password resets by type resulting from password compromise (quarterly)
- External Metrics
 - Number of phishing attacks and method of prevention (quarterly)
 - Number of blocked email addresses (quarterly)
- Procedural Metrics
 - Number of active accounts (quarterly)
 - Number of tickets to measure work dedicated to supporting identities (quarterly)
- Organizational Metrics
 - Percentage of employees completing Security Awareness Training (annual)
 - IT Security spending (annual)

Upcoming activities

1


Review 3rd party cloud services security

2

Conduct a risk assessment of research areas

3

Evaluate GLBA compliance in finance and student aid



Q&A
Discussion