



**UHS INFORMATION SECURITY**

# College/Division Business Administrators Briefing

**Mary E. Dickerson, MBA, CISSP, CISM, PMP**

February 13, 2020



# Information Security Updates

- Annual UH Information Security Compliance Survey
  - Will be distributed next week to ISOs. Due May 6<sup>th</sup>.
- “Best Practices” Resources
  - Checklists based on official policies (Handouts)
- HB 3834 – Awareness Training
  - UHS Mandatory Training (SOS) – Certified by DIR
  - Applies to Board of Regents and Contractors

# Information Security Updates cont.

- Use of Hosted / Cloud Services
  - SAM 07.A.08 - Data Classification & Protection
  - Hosted Services Checklist – Contracts
  - University-Provided Services
  
- Email requests – former employees, employees on leave, etc.
  - SAM 07.A.07 – Use of Electronic Messaging by Employees
  
- UIT Strategic Priorities – FY 2020-FY 2024  
<https://uh.edu/infotech/about/strategy/>



# Audit Issues – Based on Draft Report

- Older operating systems
- Lack of asset inventory – difficult to track down systems
- Devices not updated with current patches
- Shared local admin passwords
- Domain accounts being added to administrator groups on local computers
- Level 1 Data not identified or protected
- User accounts - easily compromised passwords
- Phishing!!!! Technology needed to secure mail and accounts
- Legacy protocols -> vulnerabilities easy to exploit





## Audit Solutions – Implementation Plans in Progress

- Phishing/Mail Protections
  - Email security technology solution - Proofpoint
  - Blocking Campus Outbound SMTP
    - **Dept. Mail Servers must be registered!**
  - Employees must use UH Mailbox – SAM 07.A.07
- Password Management Strategy
  - User Awareness Campaigns -> password strategies
    - 12 character minimum passwords\*
    - Passphrases
  - Multi-Factor Authentication (Duo) by 8/31/2020
  - Password Manager Solution (LastPass)
  - Microsoft Local Admin Password Solution (LAPS)
  - Policy Updates\*

## Audit Solutions cont. – Implementation Plans in Progress

- UH Wireless (Guests) vs. UH Secure
  - UH Wireless/Guests – No authentication required. Access to Internet only.
  - UH Secure – Authentication required. Access to all resources (same as wired)
- Departmental Cameras
  - Require Enterprise IP
  - Proper VLAN
  - Security Configuration
- Incident Response Policies & Procedures (SAM 07.A.11)
- Enhanced Campus Vulnerability Scanning Program with escalations



## Audit Solutions cont. – Implementation Plans in Progress

- Enterprise IP Project – in progress
  - Schedule for implementation (DHCP zones) based on colleges/departments
  - Are you running your own DHCP server? Contact Brian Walker asap.
  - Static IP assignments – workstations and other devices
- Scanning for Level 1 Data and Passwords
  - Spirion (formerly known as Identity Finder)

**We will be reaching out to the campus as the implementation plans are created.**



# UHS INFORMATION SECURITY

## Questions

