Appalachian
STATE UNIVERSITY

Information Security Advisory Council

September 15, 2016

1.0 WELCOME

Jim Webb welcomed everyone to the 10:00am meeting held in the Plemmons Student Union, Linn Cove 413

Welcome New Members:

- **Clayton Christian**, Office of Internal Audit
- **Regina Hartley**, Faculty Senate – Technology Committee
- **David Spiceland**, Faculty Senate – Technology Committee

Members in Attendance:

- Tim Burwell, Clayton Christian, Laura Crandall, Matt Dull, Regina Hartley, Oscar Knight, Barbara Kraus, Karen Main, Angie Miller, Terry Rawls, Robin Tyndall, Jim Webb, Kevin Wilcox

2.0 MEMBERS ROTATING OFF ISAC

Jim Webb announced members rotating off of the Information Security Advisory Council this semester

Members Rotating Off This Semester:

- **Debbie Race**
- **Trent Spaulding**

3.0 REPORTS & STATUS UPDATES

SECURITY OPERATIONS REPORT – Kevin Wilcox:

- Campus OSX Antivirus Rollout (Minimum Security Standard)

Antivirus software is needed on all campus machines.

- Mac & Windows can have the same antivirus software with no cost
- The new antivirus software will be tested in ITS first and then rolled out to the University in order to minimize the impact on campus once it’s rolled out

Attack Trends: Popups

- Popups is the #1 problem. There will NEVER be a legitimate popup with a phone number to call associated with it.

Attack Trends: Ransomware

- When users click on a popup, this can encrypt everything on the user’s computer. Hackers then demand money to get the contents of the computer back.
- Ransomware has been seen more and more in the industry.
- Ransomware is difficult to get ahead of to prevent it from happening.

Attack Facts:

- 20-30 systems attacked each month is a very small percentage considering there are 2,500-3,000 faculty and staff using computers each day on campus.
- There are certain departments on campus that have had a significantly large number of problems. ITS worked with these departments to rectify the situation. These departments have been diligent ever since the ITS intervention in making sure that these issues do not reoccur.

Attack Solutions:

- **Endpoint Protection:** Look for funding that could be used in the future to help students avoid the pitfalls of the current attacks.

POLICY & COMPLIANCE REPORT – Jim Webb:

- National Cyber Security Awareness Month Updates

NCSAM Presentations Confirmed:

- Cathy Bates (Online Reputation for Students), October 17, Plemmons Student Union, Room 169
- Larry Bridges (External Speaker, Alumni, CS Faculty & former CISO Hanes), October 31

Potential Topics for the TPC & ISAC Presentation:

- Ransomware
- Hacking the Presidential Election
- Credit Cards – Swipe, Chip, PIN
- IOT: Refrigerators & Appliances
- Evolution of Student Identity – Accreditor is looking at the security of students using Distance Education. There needs to be authentication methods for distance education students taking tests. (SARA – State Authorization Reciprocity Agreements)

4.0 OLD BUSINESS

SECURITY STANDARDS: ONGOING FEEDBACK & APPROVAL REVIEW

Remote Access Standard: (Draft) – Request for Comments

- This Security Standard was taken to Productivity & Security Governance Committee.
- Using personal systems to log into university systems can make the university vulnerable if someone hacks into the personal system. Hackers can get secure university information via the personal systems.

Encryption Standard: (Draft) – Technical Discussions

- Focus is to standardize all of the encryption across campus

Data Handling Standard (Early Draft) – Request for Comments

- This standard needs more work. ISAC needs to come up with more ideas in regards to this standard.

NOTE: None of the Security Standards are ready to be voted upon yet. The standard closest to being voted upon is the Remote Access Standard.

5.0 NEW BUSINESS

ACCEPTABLE USAGE POLICY DRAFT

Acceptable Usage Policy:

- This policy needs a revision as it was originally created in the 1990's.
- The University does not *routinely* monitor individual communications. There needs to be a level of transparency as to what is being done on the ITS end so that assumptions are not made.
- There should be no expectation of privacy by students or employees. This is not a new policy, just a revision of the policy to comply with the law.
- Supervisors have discretion to restrict or forbid personal use as they deem necessary. Supervisors have to determine if employees are abusing this policy.
- The University is not obligated to back up or give personal files to current or former employees. Tim Burwell suggests having a statement in the policy that states the University discourages putting personal information on university systems and to give suggestions as to how employees could store their information in a cloud, external hard drives, etc.

CAMPUS PASSWORD PRACTICES + NEW NIST DRAFT STANDARDS & RESEARCH

- A different position is being taken on password protection
- The federal standpoint favors usability
- There is value in rotational periods
- Talking with other universities will help ASU make a determination for this
- Duo Security: Users can have an easy password, but will need to provide additional information to validate the user (known as two-factor authentication)

RISK ADVISEMENT – CAMPUS END OF LIFE (NON-SUPPORTED) SOFTWARE

- There is a number of software throughout campus that are at end of life – the software is no longer supported by the developer.
- AppalNet is one of many applications that are being looked at for end of life.
- On security.appstate.edu under Standards: Risk Management Standard, there is a process for how end of life software is changes is communicated.

Next Step: Jim Webb will continue editing the Risk Management Standard

Timeframe for reporting risks: Should be under 30 days

6.0 MEETING ADJOURNED

Jim Webb thanked the group and adjourned the meeting at 11:30am.

Information Security Advisory Council
Meeting Agenda
Thursday 9/15 - 10:00AM
PSU Linn Cove 413

Agenda Items

I. Welcome

A. Membership Updates

Welcome New Members

- Clayton Christian (Office of Internal Audit)
- Regina Hartley (Faculty Senate - Technology Committee)
- David Spiceland (Faculty Senate - Technology Committee)

Moving Off This Semester

- Debbie Race
- Trent Spaulding

II. Reports & Status Updates

A. Security Operations Report

- Campus OSX Antivirus Rollout (Min. Security Standard)
- Attack Trends

B. Policy & Compliance Report

- National Cyber Security Awareness Month Updates

III. Old Business

A. Security Standards:Ongoing Feedback & Approval Review

- **Remote Access Standard (Draft) - Request For Comments**
- **Encryption Standard - (Draft) - Technical Discussions**
- **Data Handling Standard (Early Draft) - Request For Comments**

IV. New Business

Acceptable Usage Policy Draft

Campus Password Practices + New NIST Draft Standards & Research

Risk Advisement - Campus End of Life (Non-Supported) Software

Mobile Device Management Interest: Info + Ideas

V. Adjourn - Estimate 11:30AM