



COLLIN COUNTY – Cyber Security



FY14 Audit Remediation Progress



Technical Findings Status – June 2015

- Internal Network Vulnerabilities
 - 103 Vulnerabilities Found
 - 58 closed
 - 34 in process of remediation/closure
 - 10 known risks
- External Penetration Test
 - 22 Issues Found
 - 5 closed
 - 16 in process of remediation/closure
 - 1 known risk
- Wireless Network Scan
 - 6 Issues Found
 - 3 closed
 - 1 in process of remediation/closure
 - 2 known risks



Security Tools Overview

- **Vulnerability Management Tool**
 - Tool that scans computers on the Collin County network, and reports the actions required to ensure computers are as patched, as possible
- **Asset Management Tool**
 - Software solution capable of identifying, and cataloging, all computers on the Collin County network
- **Compliance Management Tool**
 - Software system that can compare Collin County computer settings against any set of standards (CJIS, HIPAA, etc...)
- **Privileged Account Management Tool**
 - Password vaulting solution for high powered administrative accounts used to manage Collin County network
 - Also capable of recording actions of vaulted accounts for forensics purposes



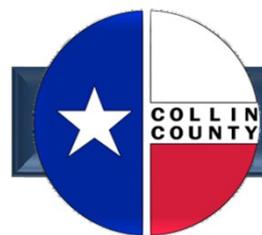
Technical Findings Themes

- Internal Vulnerabilities
 - 103 Total
 - 19 would have been identified with a Vulnerability Management Tool
 - Purchased in FY15
 - 36 relating to lack of Asset Management tool
 - Submitted for FY16 Budget
 - 34 relating to lack of Complinance Management tool
 - Submitted for FY16 Budget
 - 8 relating to lack of Privilege Account Management tool
 - Submitted for FY16 Budget
 - 6 related to needed updates to Anti-Virus solution
 - Submitted for FY16 Budget



Technical Findings Themes (Continued)

- External Penetration Test
 - 22 Issue Found
 - 1 related to Security Awareness need
 - First purchase budgeted in FY15
 - 14 related to lack of Compliance Management tool
 - Submitted for FY16 Budget
 - 7 related to Vulnerability Management tool
 - Submitted for FY16 Budget
- Wireless Network Scan
 - 6 issues found
 - All Compliance Management tool related
 - Submitted for FY16 Budget



Social Engineering

- 14 Findings
 - Overall theme of the findings indicates requirement for a 'Security Awareness' program
 - IT Security building a steering committee for awareness training, including employees outside of IT department
 - Security team member scheduled for awareness program training in June 2015 (FY15 budget)
 - IT Security targeting summer of 2015 for first security awareness presentations for County employees
 - Supplemental learning videos will be made available to County Employees (FY15 budget)
 - IT Security also planning events, and seminars, in October 2015 for National Cybersecurity Awareness Month