DEPARTMENT OF HEALTH ADMINISTRATIVE SERVICES DIVISION (ASD) - NETWORK INFRASTRUCTURE UPGRADE

- Date: May 25, 2016
- Presenters: Rod Skiver – Chief, Production Services Bureau
  Gina Romero – Project Manager
- Certification Phase: Initiation and Planning
Project Background

- The New Mexico Department of Health implemented a Wide Area Network (WAN) infrastructure in FY 1998. The system over several years has been enhanced/improved/expanded in a piecemeal fashion to support ever increasing program area needs. NMDOH has been unable to adequately keep pace with technological advances in a holistic manner, primarily due to lack of a true and dedicated IT budget.

- A network assessment was performed by Advanced Network Management, with assistance from Cisco, in January of calendar year 2015. Their findings indicated there were at least, 137 network devices that are, or will be, End Of Life (EOL) or unsupported within 24 months of the assessment date.

- Remaining status quo will continue to severely compromise agency operations by limiting how staff is able to respond to the critical and often time life-saving care of clients and patients.

- NMDOH will follow a multi-year, phased project, deploying mitigation and remediation elements on a regular basis throughout the project. Project phases will be defined on a state fiscal year basis, based on actual funding.
This project will provide an integrated IT system to meet NMDOH program needs now and the future - Eliminate disparate technology silos. Facilitate efficient and timely data sharing. Support data integrity. Reduce operational support and maintenance.

Will improve delivery of services through common and consistent technologies - Provide a common method of data transport for NMDOH services. Staff can perform duties in the field more effectively, efficiently, accurately and securely by accessing the system via the more consistent infrastructure.

Improve software development - Allow for quicker turnaround time from development to deployment. This will enable NMDOH to keep pace with emerging federal, state and local government data reporting requirements.

Increase information exchange with external entities - Enable other agencies to gain more secure and efficient access to NMDOH services and allows providers to directly enter services in a more timely fashion.
Completed Planning Phase 1 Activities

- Requirements Analysis
- Business Case
- Preliminary Network Assessment
Scope-of-Work – Phase 1

- Perform a deep analysis of the entire DOH data network architecture (including all local and wide area networks) to determine the performance capabilities and reliability of the current system. This analysis will identify currently existing bottlenecks, equipment configuration problems, single points of failure, end-of-life and end-of-support hardware and software.

- Deliver recommendations and solution designs spanning technologies to refresh the existing DOH hardware infrastructure by implementing selected and approved remediation measures including the upgrade of network cabling to a CAT6 standard in offices that have not yet been addressed.

- Implement secure, wireless network connectivity where required.

- Procure and implement an infrastructure management system that includes asset management.

- Implement security and management tools including Active Directory (AD) re-design.
Estimated Annual Timeline For C2 Network Infrastructure Upgrade

Phase 1 Emphasis

This Project Will Consist Of Five Total Iterative Phases
Corresponding To Each Project Year To Be Determined Contingent On Project Funding

New Mexico Department of Health
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<th>Fiscal Year</th>
<th>DoIT Phase</th>
<th>Amount</th>
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Questions