

## Facilities, Equipment, and Other Resources

### Overview

The AIHEC IT infrastructure incorporates a central office Windows network supporting a local Windows 2016 server providing access security, file storage, printing, and internet connection services. A modern multilayered firewall supports internet connectivity with threat detection, web filtering, and VPN services. Email is provided by Microsoft OS 365 cloud services and incorporates the latest Microsoft Office Suite, Teams, OneDrive, SharePoint, and other OS 365 applications. All workstations run the latest Microsoft Windows 10 operating system, with a few Mac workstations running the newest OS. In addition, the internal Office network is linked to a secure off-site hosting center supporting full-time VPN site-to-site connectivity to provide file, accounting system, remote desktop, and off-site daily backup support resulting in a high-level disaster recovery configuration.

### AIHEC Central Office

The AIHEC central office includes the following resources. VMWare 6.x Virtual infrastructure on one physical host supports all the following server resources. Microsoft Windows 2016 Essentials Server supports local printer and file services, VPN, remote desktop, and access. The multilayer router/firewall appliance provides front-end threat detection, web filtering, and VPN site-to-site connectivity to the remote hosting center. Internet services are provided by Comcast high-speed cable connection and Voice service. Solar Winds Enable Managed Services Platforms provides a complete network management system with 24/7 monitoring services, off-site daily backup, patch management, and anti-virus services. Fifteen Microsoft-based workstations/laptops (between 3 and current years old) now running Windows 10 Professional. Xerox Phaser 7750 large format laser color printer. Large capacity Xerox copier/printer. Several HP and Xerox networked laser printers. High-performance desktop publishing workstation used for advanced document and graphics design. Wireless network access point and conference room with TV LCD. 15+ Microsoft Windows 10 based laptops for remote users and telecomputing.

### Information Infrastructure

Information infrastructure resources include Microsoft Windows 2016 network provides the internal operating environment platform for all office services. Microsoft OS 365 cloud-based email, Teams, and Office Suite core desktop production platform. Microsoft Great Plains accounting system provides the core platform for financial management. Hosted SharePoint

site providing collaboration and information for ongoing AIHEC projects and grants. Miscellaneous software such as Adobe Creative Suite, SPSS, network monitoring, and tracking utilities offer additional support for special needs and services.

### AIHEC Hosting Center

The AIHEC hosting center includes the following resources. Windows 2016 server provides duplicate file storage using real-time synchronization with the AIHEC office server for immediate disaster recovery capability. Windows 2008 R2 and SQL 2008 server supporting Microsoft Great Plains Accounting system. Windows Remote Desktop Server provides direct access to data center resources and remote login for the accounting system.

### Central Office

AIHEC's office is situated in a well-maintained office complex in Alexandria, Virginia's historic Old Town district. The AIHEC office is well-equipped with modern and functional equipment to conduct operations efficiently and timely. Auxiliary equipment serving all employees includes individual desk telephones, six printers, two fax machines, and three photocopiers. In addition, the telephone system features capabilities for answering, messaging, and conferencing.

Photocopiers/printers are all located within the office suite and available to all. In addition, SMHS IT and library support are located on the 2nd floor of the SMHS. Students, staff, and PLs also have individual desk spaces and computer/internet access within the office suite.

### Equipment

#### AIHEC

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