

AHEALTH SCIENCE CENTER HANDBOOK OF OPERATING PROCEDURES

Chapter 5	Information Management & Services	Effective:	June 2002
Section 5.8	Information Security	Revised:	May 2011
Policy 5.8.7	Network Access Policy	Responsibility:	Chief Information Security Officer

NETWORK ACCESS POLICY

Overview

This document establishes the policy for access to and from the Health Science Center computer network. This policy is designed to encourage efficient use of the computer network while minimizing the potential exposure to damage that may result from unauthorized use.

Policy

1. Network routers, switches, wireless access points and hubs are points of vulnerability and need to be managed centrally to ensure manageability, security and reliability. Computer network users may not use one of these or other devices to extend or re-transmit network services without the approval of Systems and Network Operations (SNO). Only one device (computer, printer, etc) may be connected to a computer network outlet. The use of multiple network interface cards in a single computer to facilitate multi-Virtual Local Area Network (VLAN) access creates a bypass of VLAN security and is prohibited.
2. Non-standard devices (other than desktop or laptop computers) must be approved by SNO before being connected to the computer network at any campus location or other extended computer network location.
3. Access to the wireless computer network is provided through registration of Media Access Control (MAC) address with SNO and the use of a Virtual Private Network Client (VPN). Registration is provided only to portable devices (laptops, PDAs, etc.) The wireless computer network is a shared access technology, meaning all the portable computers in a coverage area are sharing the available bandwidth. Should the capacity in an area be over utilized on a routine basis, SNO may require some portable computers to connect to the wired network.
4. Access to the computer network from the Internet is important for ease of use, but is frequently used for destructive intrusion. All remote access to the protected side of the computer network will be through secure means, such as VPN.

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Direct connections via common carrier circuit are limited to circuits installed and maintained by SNO. The use of modems or modem pools on the computer network is restricted to those ensuring security and approved by SNO.

5. Standard applications, such as Web, Telnet and File Transfer Protocol (FTP) requiring access to the Internet are allowed. Other applications, such as peer-to-peer can enable the Health Science Center computer network as an agent to cause harm to other computer networks or use excessive bandwidth that impairs priority traffic. SNO may block, restrict or limit application traffic as needed to ensure adequate bandwidth for priority applications and ensure use of resources is for Health Science Center business.
6. The Health Science Center computer network firewall plays a major role in information security. It is important that this appliance restrict access to the protected side of the network as much as possible. Publicly accessible services, including Web access and FTP are provided outside the firewall from the demilitarized zone (DMZ) only. The DMZ must be a physical or logical DMZ maintained by SNO. Exceptions must ensure security and obtain approval via a waiver authorized by SNO/Information Security Office (ISO).

Only SNO managed internal firewalls will be allowed to securely connect subnets (VLANs) within the computer network. The use of personal/server host-based firewall products is encouraged.

7. Unauthorized deliberate attempts to obtain unpublished computer network information are prohibited. This prohibition applies to all campus computer network locations, and the wide area network, and includes practices such as “packet sniffing,” “password cracking,” and “port scanning.”
8. Any attempt to disrupt service or performance of computer systems at any campus location is prohibited and can result in the loss of computer network privileges and disciplinary action. This includes any form of action that denies service through programmatic operation of a network device or through physical means.

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9. Computer network users are permitted to use only those network (IP) addresses issued by SNO. Selecting an IP address at random to configure a computer network device is prohibited. The use of private IP addressing behind firewalls and proxy servers, as well as the use of network address translation (NAT) is prohibited without authorization from SNO.

 10. Network operational applications such as directory service (DNS, WINS, etc.) or network address space services (DHCP) need to be provided centrally to ensure manageability and reliability. Providing these services independently is prohibited without authorization from SNO.

Accountability

Departmental

Deans, Chairs, and Directors are accountable for ensuring that their department remains in compliance with all applicable local, state, and federal information security policies as described in [Section 4.9.2](#) of the *Handbook of Operating Procedures* (HOP), "Management's Responsibilities". If it is determined that the University's network, systems, data, or mission have been placed at risk due to a willful or negligent lack of compliance with information security policies, Information Management and Services (IMS) personnel are authorized to terminate service as appropriate to mitigate the risk. Additionally, IMS is authorized to assess the department a service fee for security remediation and/or reconnection of services. The service fee will be charged to the department's state funds account.

Individual

Violations of this policy are subject to disciplinary action as described in [Section 2.1.2](#), "*Handbook of Operating Procedures*", of the HOP.
