



Issuing Office(s) _Information Technology Services___
Responsible University Officer(s) _VC for IT and CIO_____

UNIVERSITY POLICY

Title

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL DATA NETWORK POLICY

Introduction

PURPOSE

UNC-Chapel Hill Information Technology Services (ITS) has been mandated by the University to manage the campus network in order to ensure reliability, integrity and interoperability. This management supports the University mission of education, service, and research. It is the responsibility of ITS to coordinate, monitor, and manage University network traffic and activities. ITS must ensure that our campus facilities adhere to FCC and other regulatory requirements, do not disrupt statewide or national networks and maintain good connectivity to the network for all campus users.

The UNC-Chapel Hill Communications Network interconnects local area networks on and off-campus. The UNC-Chapel Hill Network itself is then connected to Internet backbone service providers and Internet2. Local departmental technical liaisons recognize that their local systems are a part of the Internet. What appears on a local Ethernet can and may be transmitted across the country and may do damage along the way. Because the University and the individuals who comprise it must be responsible participants in the Internet, it is necessary that policies and procedures be developed and enforced regarding the operation of the University network. This Policy and the accompanying UNC-Chapel Hill Data Networking Standard provide structure and guidance for operation of University networks.

Wireless communications for data and voice are an increasingly important part of the overall technology plan of the University. Thoughtful management of that spectrum will improve reliability, availability and security of these services to all members of the campus community. This Policy along with the University of North Carolina at Chapel Hill's Wireless Standard provide a structure for managing the wireless communications spectrum on the UNC Campus.

SCOPE OF APPLICABILITY

All UNC-Chapel Hill Constituents.



Policy

POLICY STATEMENT

Use of University network resources is allowed only in accordance with the UNC-Chapel Hill Data Network Standard, UNC-Chapel Hill Acceptable Use Policy, The UNC-Chapel Hill Wireless Standard, and with the following requirements:

Technical Liaisons

Every University operating unit connected to the UNC-Chapel Hill Communications Network must have a designated technical liaison registered with ITS.

Domain Names and Domain Name Service (DNS)

ITS shall manage University domain names and operate University DNS. ITS shall provide guidance for those units and Constituents in their use of domain names and inclusion of domain names in University DNS.

Entities bearing a 'unc.edu' suffix figure prominently in the UNC online identity, ITS shall be judicious when granting [name].unc.edu domain names.

IPV6

The ITS Networking IP Services group at UNC-Chapel Hill will only register globally unique, routable IPv6 addresses in campus DNS. Use of IPV6 addresses on University networks must adhere to the UNC-Chapel Hill Data Network Standard

Technical System Policy-Based Networking

In order to ensure reliable, fair and consistent network services to the campus, ITS is charged with operating all "policy-based" mechanisms (those using a technical mechanism to control the allocation of network resources). This includes access to the network, bandwidth available to users and applications, and bounded latency performance. ITS will operate all such mechanisms (e.g. policy servers, bandwidth brokers, and quality-of-service controllers), on behalf of the campus. Campus units and end users may not place policy-controlling mechanisms on the network. All policy-based services, including QoS applications must be registered with ITS.



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Failure to appropriately register policy-based systems on the network will result in those devices being disconnected from the network.

Network Design and Operation

As with any large public utility such as basic telephony services or electrical distribution, the University communications infrastructure needs to be centrally planned, managed and maintained. It is only through centrally-coordinated information technology strategic planning and implementation that the core technology goals of the institution are met. The UNC-Chapel Hill Data Network Standard sets the requirements for central network management and applies to all units of the University.

Device Management

To ensure reliability, security and high performance, ITS must provide central management of network devices and systems to the wall-plate in all UNC-Chapel Hill locations. Any and all data network electronics must be managed by ITS. This includes all routers and all 802.11 WiFi wireless access points and switches.

Wireless

To ensure data network reliability, integrity, and interoperability, all University units, Constituents, and other entities operating on campus premises shall operate in accordance with campus wireless plans, practices, and agreements determined by UNC-Chapel Hill Information Technology Services (ITS), and shall adhere to the UNC-Chapel Hill Wireless Standard unless an approved exception exists.

Penalties for violating the Data Network Policy may include restricted access or loss of access to the UNC-Chapel Hill Network, termination and/or expulsion from the University of North Carolina at Chapel Hill and in some cases, civil and/or criminal liability.

EXCEPTIONS

Exceptions to enforcement of this policy may be determined by the Vice Chancellor for Information Technologies and CIO or by the Assistant Vice Chancellor for ITS Communications, documented in writing.



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Definitions

UNC-Chapel Hill Constituent: UNC-Chapel Hill faculty, staff, students, retirees, contractors, distance learners, visiting scholars and others who require UNC-Chapel Hill resources to work in conjunction with UNC-Chapel Hill.

Related Requirements

UNIVERSITY STANDARDS AND PROCEDURES

[UNC-Chapel Hill Data Networking Standard](#)

[UNC-Chapel Hill Wireless Standard](#)

[UNC-Chapel Hill Acceptable Use Policy](#)

Related resources and guidance:

<http://help.unc.edu/help/registering-a-non-unc-domain-name/>

<http://help.unc.edu/help/campus-ipv6-policy/>

Contact Information

POLICY CONTACT(S)

Subject	Contact	Telephone	Online
Policy	ITS Policy Office	919-962-HELP	its_policy@unc.edu
Networking	ITS Communications Technology	919-962-HELP	help.unc.edu



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Important Dates

- Effective Date and title of Approver: May 2, 2017, Chief Information Officer
- Revision and Review Dates, Change notes, title of Reviewer or Approver: Supersedes previous Data Network Infrastructure Policy dated 5/29/2014.