

CNS /Update Newsletter Feature

**Introducing I-Phone IP Telephony
Services for the University of Florida**

CNS Document ID: u030701a

Last Updated: 7/11/03

UF Computing & Networking Services

112 Bryant Space Sciences Bldg, University of Florida

P.O. Box 112050

Gainesville Florida 32611-2050

(352) 392.2061

<editor@cns.ufl.edu>

Table of Contents

Introducing I-Phone IP Telephony Services for the University of Florida	3
What is IP Telephony?	3
When Will On-Campus IP Telephone Service be Available?	3
Who do I Contact for I-Phone Telephone Service, Installation or Repair?	3

Introducing I-Phone IP Telephony Services for the University of Florida

OIT-Telecom is taking advantage of the convergence of voice and data networks in a new solution for University of Florida IP telephony: I-Phone.

The I-Phone service is part of the "services-to-wallplate" model that is offered by OIT-Network Services and is designed to ultimately provide an enterprise communications solution for the University of Florida.

What is IP Telephony?

IP Telephony, also known as Voice-over-IP (VoIP), represents a new method of providing telephone service. Historically, telephone systems have used dedicated equipment to provide only telephone service. The equipment includes telephone switches, circuits to connect the switches, telephone sets, and so forth. Rather than using dedicated equipment, IP Telephony will use much of the same infrastructure as the data network. It will achieve this by converting sound into small packets of data and transporting them via the regular Internet Protocol (TCP/IP) between telephone sets.

There are various ways to implement IP Telephony. OIT-Telecom is primarily focusing on replacing the telephone sets, dedicated telephone lines and smaller telephone switches with IP Telephony equipment. In this scenario, the telephone set actually plugs into the data network "jack" rather than a telephone "jack." As part of the "services-to-wallplate" model, the network infrastructure and management will need to be in place so that your I-Phone service will be ensured the highest quality of service.

When Will On-Campus IP Telephone Service be Available?

Now! As part of the "services-to-wallplate" model, I-Phone service is currently available. Current projects that have deployed I-Phone service include the new Rinker School of Building Construction building and the Health, Pharmacy and Nursing Professionals (HPNP) facility (via HealthNet). Upcoming projects will include the Fisher School of Accounting building and the Constans Theatre Addition.

All production I-Phone sets are in campus "service-to-wallplate" buildings and are connected with Cisco switches capable of providing in-line power insertion. Access to the public telephone network is provided using two physically redundant Cisco 6608 VoIP gateways, each connected via the BellSouth SmartRing to Primary Rate Interface (PRI) circuits. These Gateways also provide conference bridge resources for the voice conferencing capabilities available with this service.

Who do I Contact for I-Phone Telephone Service, Installation or Repair?

Call OIT-Telecom at (352) 392-1146, or enter a work order by contacting the Work

Management Center at (352) 392-1121. For additional information please contact John Madey, Associate Director, OIT-Telecom, at jmadey@ufl.edu [<mailto:jmadey@ufl.edu>], and visit the University of Florida VoIP Service homepage at http://net-services.ufl.edu/provided_services/voip.

Your Comments are Welcome

We welcome your comments and suggestions on this and all CNS documentation. Please send your comments to:

UF Computing & Networking Services

112 Bryant Space Sciences Bldg, University of Florida

P.O. Box 112050

Gainesville Florida 32611-2050

(352) 392.2061

[<editor@cns.ufl.edu>](mailto:editor@cns.ufl.edu)