Telnet Retirement:
Tom Board informed the committee that the original Telnet application will be retired from the four central email hosts and will been replaced with a more secure Telnet. The new telnet protocol encrypts the initial NetID and password handshake with the client and then all communication afterwards. This was implemented on the four central hosts in the spring and new client software was included on the Fall 2001 Installer CDROM. NUIT will make an announcement in advance of a mid-November implementation. There is a community of Telnet users, but it has been decreasing due to the new Web Email Gateway. The secure telnet client software is very similar so NUIT does not expect problems.

Bandwidth Management:
Tom Board described how NUIT implemented a bandwidth management system in order
that the NU community can have predictable access to the Internet. Details about the implementation and rules for allocation are at: . The bandwidth restriction is only at the border between the campus network and the general Internet. There is no restriction on bandwidth use within the campus network. In response to questions, Board said that the system had been originally implemented during the summer and that the original rules were too restrictive. The public announcement coincided with revised rules that provided more access to high-demand protocols during both the day and evening hours. The high-demand protocols are generally used by media sharing and advanced gaming.

**Wireless Network Policies & Deployment:**
Tom Board discussed the current University policy on deployment of wireless network access, found at [www.it.northwestern.edu/policies/wireless.html](http://www.it.northwestern.edu/policies/wireless.html). In short, the University “owns the air” and will control radio spectrum allocation. NUIT is charged with managing these resources and installing all wireless network access points. There is no central plan or schedule for deployment of wireless network access points and NUIT does not believe that wireless networks will be full replacement for wired networks. Departments, schools and VP areas must lead in justifying wireless access and to obtain funding for that access. NUIT will provide technical and planning support to those initiatives. There is interest within the NU community in wireless access and Board urged the attendees to discuss their views on deployment with Student Affairs.

Board stated that a truly campus-wide wireless environment must be centrally designed and administered to ensure interoperability and especially consistent authentication services. Wireless was first deployed using the WEP security protocol but was migrated to VPN during the summer.

Prashant Velagaleti asked how the policies would affect student use of wireless in dormitories. Board reaffirmed that personal wireless access is a technical violation of the policy. NUIT is very concerned that extending the network in a wireless manner will compromise security in ways that are very difficult to combat. Exceptional reasons for wireless access in living units, or fully-funded proposals to install wireless in living units, should be brought forward for discussion with Student Affairs and NUIT.

**ASG- requested training sessions for students:**
(Fleur Uptegraft) NUIT offered computer classes during New Student Week. The attendees were quite pleased with the overall class and found it very informative.

Jordan Heinz wanted to know if this could be a required course for incoming freshman. Per Fleur Uptegraft the Office of Transitions (Kelly Carter) would have to approve such a suggestion. Also, NUIT does not have the resources to lead such classes. Tom Board suggested that ASG or the committee create a list of subject topics for a required session. If approved by Student Affairs, NUIT may be able to create materials that could be delivered by students.
Connection Speed within dorms, changes for 2001-2002:
Jordan Heinz said that this item was answered during the discussion of bandwidth management.

Notification of port termination by IT:
Jordan Heinz asked why, if NUIT turns off a data port in the dorms, that the student cannot be notified in some fashion. Is there a way to find out whom, why, and when the port is going to be shut down? Tom Board described that a port is shut off because it is either spewing a virus or because of a complaint filed by a copyright owner. The only identification that IT has to work with is an IP address and there is currently no practical way to trace this to a specific room or person at this time. NUIT is investigating at least two other technologies to improve the handling of these situations that will require authenticating to the campus network. That authentication would allow NUIT to map from IP address to NetID to email/phone contact. However, these solutions may be between 12 and 24 months away.

Prashant Velagaleti suggested that NUIT create a website listing the IP addresses treated in this way so that Rescons could examine that possibility. Tom Board said that NUIT would investigate that, but that due to privacy concerns, such a site would have to be restricted. It was also suggested that, after original problem is remedied, the time to restore service on the port was too long. NUIT committed to investigate how that process could be improved and report at the next meeting.

IT restrictions switches/hublets/wireless LANs:
This item was addressed under the discussion of wireless network policies.

Plan-it Purple:
Jordan Heinz asked if there has been an increase in the usage of Plan-it Purple. Jordan Heinz would like a report to see what is causing the usage to go up. Fleur Uptegraft will investigate this and report at the next meeting.

Q&A
Jordan Heinz asked if there are any discussions about cable television in the dorms? Tom Board said that Student Affairs is very interested and NUIT is actively investigating and testing technologies to deliver entertainment TV over the data network. If certain technical decisions can be made and funding obtained, this could be deployed as early as next fall. Board explained that there were at least three cost elements to be balanced. First, the cost of putting a single channel onto the network is somewhere between $10,000-$30,000 depending upon the encoding used. Second, the programming itself must be licensed based upon the number of potential viewers. Lastly, the cost to support access to TV through the student's computer will depend on whether a separate client program must be distributed. NUIT must also factor this application into the recommended minimum computer configurations for student purchase. This project is one of the highest priority within NUIT since budget decisions are made within the next few months.
Adjournment:
Meeting adjourned at 1:00 pm. Next meeting will be in the Winter quarter.