Projects – Ed Anderson (SCS)

U.S. 50 Fiber Project – Ed Anderson (SCS)
The U.S. 50 Fiber Project is finally coming to fruition and will be in service by the end of summer. AT&T contractors are finishing up the work which included pulling power and fiber jumpers to our racks in the OA sites along the route. That work is being done now and in 2 to 3 weeks they should turn it over to us, and we will install and test any remaining equipment we have left.

This project also involves some work on the I80 West, Reno to Sacramento OA sites. We had temporary power supplies for our own equipment, and now AT&T has put in their own back-up power. They are also wiring in permanent power to the existing equipment on the I80 route.

Fiber Between 200 S. Virginia & WILTEL – Ed Anderson (SCS)
This project and the one directly below have short fuses but will impact overall network capability. Based on some opportunities we have for year-end spending and leveraging those opportunities, SCS was able to pick up another set of fibers between 200 S. Virginia and the WILTEL point of presence in Reno. This will bolster our network and allow us to have more flexibility in the future.

Fiber Between 200 S. Virginia & SCS North – Ed Anderson (SCS)
This initiative involves provisioning another set of fibers between the AFS 200 S. Virginia point of presence and SCS North that will allow NevadaNet to ultimately have a true 10 gig router to router connection in the north without having to upgrade the entire metro ring. It is not as flexible and won’t give us the same amount of benefit as upgrading the entire ring, but it represents a significant savings. Upgrading the entire metro ring would be in the neighborhood of a million dollars.

There are a number of upgrades that will be required for the conference. Scenic is building up their whole backbone network to be able to support this conference from Los Angeles up to Sacramento and then upgrading the connection we have between Sacramento and Reno. A lot of this is being done through donated equipment from CISCO. In the end, after the conference is over, in some cases it is more expensive to pull the equipment out than it is to just leave it. They will leave some of it there, and with some card swapping, and some of the discount rates that CENIC gets, there is an opportunity for NSHE to pick up additional capability between Reno and Sacramento. Our current capability allows us to handle 4 1-gigabit wavelengths between Reno and Sacramento, and
we’re using 2 presently. In the end, for an additional $50,000, we’ll have the capability to have 16 10-gigabit wavelengths between Reno and Sacramento.

**North/South Gigabit Connection** – Ed Anderson (SCS)
We have been working on a North/South gigabit connection. We have finally gotten a commitment to try and have that provisioned by the end of this month. Level 3 has given us a date for completion, and we are hoping to have this North/South connection completed before school starts in the fall so we can alleviate some of the congestion on the existing path.

**Security Update**

**Secured Telnet/FTP** – Paul Mudgett (SCS)
On June 1st we completed the shutting down of unencrypted FTP sessions to our enterprise servers. We are now encrypting our file transfers and our Telnet sessions as well, making a significant change to our security posture. Thank you to the campuses for their hard work in making the transition successful.

**Security Interest Group Activities** – Jana Dunn (SCS)
Upcoming Security Interest Group meetings:

**June 15th**
9:00 to 11:00 a.m.
Video Conference
Cam Johnson and Jeremiah McClain, UNLV, *Cisco MARS and Security Monitoring at UNLV*
Mark Sexton, UNSOM, *HIPAA Update*
Paul Mudgett, SCS, *Policy-Related Topics*
- The SIG Incident Response Guideline and a draft system-wide incident response policy
- Handling requests for e-mail content
- NSHE Data Security Policy update

**July 13th**
10:00 – 11:00
Webinar
Introducing Barbara Chung, Microsoft’s Chief Security Advisor for Education
*Security Briefing and Industry Update*
Applications Update – Dodie Bryant (SCS)

Mustang and Bighorn Upgrades
We are working with the systems groups and network groups on both the Mustang and Bighorn upgrades.

Blackboard CE 6 Install
We are also working on the Blackboard CE 6 install for GBC and Western. We are supporting and participating but not heading.

Systems Update – Chris Gaub (SCS)

P-Series Conversion – Chris Gaub (SCS)
The conversion of our general purpose Unix platforms which run email, student web pages, and web sites for GBC and WNCC is to occur this weekend. We’ll start Friday evening at approximately 5:30 and will run through 5:00 Sunday afternoon. The conversion will be occurring in tandem in both northern and southern Nevada. In northern Nevada we will perform a checkpoint at about 7:00 pm, and if everything looks good, the upgrade will continue. If we experience any problems in the northern Nevada conversion, we will stop all conversion activity and sustain our Sun platforms. We would then reschedule the conversion for a later date.

GBC WebCT – Chris Gaub (SCS)
SCS is working with GBC and WNCC to install and host the WebCT/Blackboard CE 6 environment for their respective institutions. The project involves the implementation of all new server hardware along with the software. There is a considerable amount of consulting help from Blackboard to actually do the implementation. The server equipment has been installed. This week Blackboard is installing the CE 6 environment along with the web servers, and we anticipate that installation and work continuing through the end of the month. The goal is to have it fully functional by the fall semester.

WNCC Lotus Notes – Chris Gaub (SCS)
We are continuing to work on a project with WNCC to install a faculty and staff email system at WNCC, with a third party contractor - Lotus Notes. That project is set to be in production the beginning of August.

zSeries Upgrades – Chris Gaub (SCS)
We are doing a lot of work on enterprise server environment to be prepared for anticipated workload over the coming months and years. Since we last met, we’ve performed an operating system upgrade on Mustang, and we’ll be performing one on Bighorn on the 16th of June. We’re also in the process of upgrading the server platforms. We will be replacing Mustang and performing an MES upgrade on Bighorn – where the frame stays in place and the all the
processing cards are removed and new processors are installed. This will provide us with significant improvements in performance in the financial processing environment and make us ready for the upcoming load for the fall semester.

**System Software Update** – Susan Bunyan (SCS)

I will begin reminding people this week to get back the Novell ALA forms so we can turn those numbers around. CCSN was considering discontinuing Novell completely, but won’t be able to do that by July 1, so we will continue to have the same discount that we have had in the past. If your numbers are close to the same as they were last year, then your bill will be close the same as last year as well. I will also be sending out the WebCT/Blackboard bills. I have already sent out the quotes to everybody, so there shouldn’t be a surprise on the notes on those. I will be tracking down the due date for MacAfee.

**Operational Events/ Issues**

None offered.

**Other Issues**

None offered.