April 1, 2008
Connectivity Committee Meeting
MINUTES

Network Major Projects – Ed Anderson (SCS)

SoM Network Assessment – Ed Anderson (SCS)
SCS has been working the last few months on a network assessment for the School of Medicine. They are changing the topology of their network some and will likely be co-locating some equipment in the SCS data center – initially in the North and possibly later in the South. SCS was commissioned to put together an assessment of the steps needed for implementation, bandwidth requirements, and the costs to upgrade. Kirk Fitzgerald has been leading the effort. We have completed the data gathering and analysis. A draft of the recommendations is being prepared.

SoM Co-Location – Ed Anderson (SCS)
SCS is in the process of developing a Service Level Agreement to assist in the School of Medicine Co-location. The SLA will spell out what is needed, how those needs can be met, and under what conditions, etc. With the signed SLA in place, we will be able to move ahead with the implementation of the project.

Pahrump Capacity Analysis – Ed Anderson (SCS)
There have been several issues associated with GBC, Nye County School District, and other sites in the Pahrump area. They have been growing tremendously and adding a lot of video sites. SCS is launching an assessment to address this increased need for capacity. Stanton Gurr will be heading this project. He will be talking with everyone involved to see if additional capacity is needed, where it is needed, how much is needed, and how it can be paid for. We’re just beginning with this effort and should have some preliminary ideas to address these needs soon.

Washoe County/Carson City School Districts – Ed Anderson (SCS)
Because metro Ethernet is now becoming available at relatively inexpensive prices, both of these districts have projects underway to significantly increase the amount of bandwidth to go to every school within Washoe County School District, and within the Carson City School District. In WCSD, they have approximately 100 schools, and previously, each of them had a T1, and now all the elementary and middle schools are going to go to 10 MB/s Ethernet. The high schools are going to go to 100 MB/s. CCSD wants to make a 100 MB/s connection at their district office and also increase the bandwidth to each of their schools. So the contribution to our internet load will increase significantly, and we are assessing how we’re going to handle that.
**CSN WAN Connection Upgrade** – Ed Anderson (SCS)
SCS is working with CSN to upgrade their connection. They have a 100 MB/s connection that will be going to a 600 MB/s connection. That upgrade is scheduled to take place on the 24th of April. They are waiting for equipment to arrive this week, and once they have that, they’ll prepare their routers for the upgrade.

**Elko Back-up Generation** – Ed Anderson (SCS)
SCS has created a draft Service Level Agreement that we will be forwarding to Elko and GBC for final review. They have a service provider generator firm that will put in some generation which SCS will contribute towards. As a result, we will soon have back-up generation for one of our more important hubs in Elko. It will be a win-win situation for everybody.

**Elko Router Upgrade** – Ed Anderson (SCS)
The new router has been mounted and will be wired up and tested the first part of next month. It is on schedule and ready to go.

**Information Applications and Systems** – Dodie Bryant (SCS)
We have replaced HR Search with Consensus. The license has become official, and we’re going to begin a two campus pilot with the School of Medicine and GBC this week.

**Systems Support Services** – Dan Casale (SCS)

SSS just completed quarterly preventative maintenance on both Z series systems last month. DB2 Version 8 will be moved to production on April 19th affecting HR and Payroll. On the P series, we’re converting the Darwin systems over to boot from SAN. Hardware is being installed to support a test SCS data warehouse in Las Vegas.

**Client Services/System wide Software** – Susan Bunyan (SCS)

Payments for SPSS, SASS, ESRI, WebCT, and Autodesk are due July 1st. We’re trying to negotiate with Apple to see if we can get a discount on maintenance of the Apple operating systems.

**Security Update** – Jana Dunn (SCS)

The Security Interest Group will meet on May 30th at 9:15 for two presentations from our group members; this will be a video conference:
Paul Mudgett and Jana Dunn, SCS – *Tabletop Disaster Recovery Testing: Initial Results and Next Steps*
Jeff Cox, GBC – *Where’s Waldo: Associating Network Activity, DHCP Leases, and End-Users*

Spam is being sent from compromised student accounts on SCS’ email servers. Jim McKinney expressed concern with the number of complaints UNR has been receiving on this issue from outside entities. Ed Anderson, Chris Gaub, and Paul Mudgett will meet to discuss next steps.

**Operational Issues/Events**

**Switch Relocation – Jim McKinney/Jeff Wolff (UNR)**
Due to the planned upgrade performed by SCS this past weekend, a pair of fibers was inadvertently rolled. This error was not detected until early Sunday morning by UNR. UNR contacted SCS personnel who were able to locate and resolve the problem within 5 or 6 hours.

**NCSD Outage – Ed Anderson (SCS)**
Nye County School District moved some SCS equipment and pulled cables off the wrong interface affecting data and video in Pahrump which were down for a period of time. With SCS’ help, they were able to get the problem corrected.

**Other Issues**

**TMCC/Washoe Co./Reno/Sparks Coalition – Ed Anderson (SCS)**
TMCC, Washoe County, and the Cities of Reno and Sparks have been meeting to look at ways to share resources, exchange information, and increase efficiencies. SCS has been primarily focused on implementing iNtegrate. Although SCS has not been involved in these meetings, we might be able to participate in some fashion.

**Surplus Equipment – Jeff Wolff (UNR)**
UNR just finished a wireless conversion to Aruba equipment. As a result, UNR has about 220 HP 420 wireless access points and about 7 HP 720 wireless VPN concentrator controllers, and about 30 24-port HP2524 10/100 switches with Gig E uplink available to the system. We would prefer to not send these to Surplus and would rather give them to another NSHE entity if they can put them to good use. If interested, contact Jeff at jeffw@unr.edu