

## Connectivity Meeting

### MINUTES

November 3, 2015

1. Network Services Update – Ed Anderson
  - A. Internet2 PR Piece – In September 2015 a link was emailed to everyone regarding the press release promoting the 100 Gbps backbone upgrade project. If you did not receive this please notify Ed.
  - B. North/South Connectivity Opportunities – With the advent of Switch and Tesla potential long term fiber opportunities are popping up. Various carriers want to build different paths or tie lines in conjunction with each other or by themselves. NDOT has the right-of-way so they will be bringing together these connectivity opportunities.
  - C. U.S. 50 Fiber Upgrade Project – This project is very similar to what was done on the I-80 corridor. We'll build out full-fledged, carrier grade, communication huts in locations along the line and upgrade the capacity to 10Gbps. Construction on this long-term project is slated to start in the summer of 2016. The Governor's Office is interested in upgrading U.S. 50 and may possibly earmark state monies for this to help assist schools with better connectivity.
  - D. Carson City Metro Fiber Ring Upgrades – This is another long-term project in the queue and is coordinated with the U.S. 50 project, following along the same time line.
  - E. Lovelock PCSD Connection Upgrade – Pershing County School District (PCSD) has a wireless, last mile connection to our network to bolster the schools capacity requirements that are now being imposed. The wireless radio portion has been installed and the distribution routers are waiting to be installed to complete the connection. If all goes well this will be completed by the end of this month.
  - F. Douglas County Fiber Connections – SCS will begin installing some of the equipment by November 6, 2015. SCS's portion of the connection will be completed by the winter break when school is out.
  - G. Project Queue – Tom Nieva  
October 2015:  
NEW – 16, COMPLETED – 13, CANCELLED/DELETED – 2  
Calendar Year to Date:  
NEW – 88, COMPLETED – 89, CANCELLED/DELETED – 7, IN QUEUE – 51, ON HOLD – 10
2. iNtegrate 2 – Jim McKinney  
Jim McKinney was not present

3. Systems Support Services – Pam Burns
  - A. IBM has released a number of security updates via Service Pack 5.0 for AIX. We have it installed and tested and will begin working with each Instance to schedule the installations. The Service Pack will be applied to the Shared Instance Test LPARs on Fri Nov 6. We would like to have the upgrades completed in development, test, and production by mid-December for all Instances.
  - B. A current release of the curl file transfer program was installed in early October. No downtime or user changes were required for the installation and no problems have been reported.
  - C. Linux operating systems will be upgraded to RHEL 7 over the next several months. We plan to work with WNC to install a test environment. Once testing is completed, we will work with individual application owners on each server to schedule the upgrades.
  - D. We continue to work on the recommendations from Internal Audit to improve the security and recoverability of critical data. Several audit findings included the use of benchmark tools and utilities to identify security issues in AIX, Windows, and Linux environments. We will review output from the tools and utilities on a regular basis and provide recommendations for security enhancements as needed.
  - E. Power 8 configurations to consolidate hardware in Reno and Las Vegas have been finalized and agreed to among the Campus Instances. We will begin the procurement process once funding has been coordinated.
4. Client Services – Todd Borman for Brian Anzalone
  - A. SCS.Nevada.edu connectivity website for this meeting is up to date.
  - B. The lap tops for iNtegrate2 for SCS and SA have all been encrypted.
5. Enterprise Licensing and Contracts - Chris Gaub  
Chris Gaub was not present
6. System Security – Paul Mudgett  
Paul Mudgett was not present
7. Video Conferencing Service/Network – Dani Chandler
  - A. Bluejeans Pilot Update – We have steadily increased to 141 accounts and continue to encourage the different campuses use of it. UNLV is set to establish their own account and purchase their own licenses under the NSHE umbrella. There was an upgrade to Bluejeans on October 24, 2015 with no major changes.
  - B. Bluejeans has two new products we will be demoing to the campuses next month. Prime time is a type of streaming product where you can send out a

webinar or live feed to approximately 3,000 seats. Also, with the recent upgrade there is now a way to integrate Canvas and LMS into Bluejeans that instructors can use with their online courses. At this point cost is uncertain and we are determining whether there is a use for either of these.

- C. SA Board Room North – We are waiting for the AV quote. The Chancellor will have several different options to decide on and when he does we will move forward on this project.
  - D. Bridges – The upgrade of the Reno bridge is scheduled for the winter break. The newest version on the bridges will allow higher bandwidth calls. All the customers have been notified throughout the system of the Code X and software versions that are not compatible with those. We have given them the Polycom Buy Back Program, they can trade in their Code X and get discounts, and given them options for grants. If the customer absolutely cannot use their Code X we can set it up for them to use Bluejeans.
8. Operational Issues/Events – Ed Anderson
- A. Randy Miller states TMCC is in the process of converting its phone system over to voice over IP using ShoreTel.
9. Other
- There were no other items discussed.