

January 7, 2014  
Connectivity Committee Meeting  
**MINUTES**

*1. Network Services* – Ed Anderson (SCS)

**LV SA Office Move – Cox Dark Fiber Service** – Ed Anderson and Stanton Gurr (SCS)  
SCS was able to amend an existing fiber contract with Cox that went to the old System Admin location on W. Flamingo in Las Vegas so that the same terms and conditions were applied to a new connection to the new System Admin office. As part of that amendment, there was also a connection that is going to help us have another access point on the Southern Ring giving us some additional benefits.

We had a site visit with Cox just before the end of the year. Cox did an overview, and they will be able to get some fiber into the new SA office. I spoke with them Friday, and they're already working on the permitting for the barricades and the permitting for the construction to put in the fiber. Hopefully, that should be submitted this week. They're working on crews to do the installation once the permitting is completed. Hopefully, we can get it done in 60 days rather than 90 days. We should have more information in the next week or two.

**LV SA Office Move – Microwave Data Service Backup** – Ed Anderson and Stanton Gurr (SCS)

Also related to the new System Admin office is the backup microwave system that is going to provide backup to the fiber.

We have fiber across to SEB from SCS, and an antenna mount on top of the roof has been completed. The System Office construction group has been working on the roof and has the roof penetration completed. The radio link has been ordered, and parts are showing up. Within the next couple of weeks, we can start assessing what we need to complete the radio link.

For the office building itself, the exterior walls are completed. It looks like a lot of the electrical has been roughed in.

**LV SA Office Move – SA Office Video Conferencing** – Stanton Gurr (SCS)

Rick Romero is going over with the crew this afternoon to put two of the mounts up for the flat panel TVs in the rooms other than Dan Klaich's office. We're going to wait on that one.

**LV SA Office Move – SA Office Wireless Network** – Ed Anderson and Stanton Gurr (SCS)

We have the wireless APs and the switches purchased to go in the new SA building. We've been testing those in the labs. When the communications room ladder rack and

the bays have been installed sometime toward the end of January, we should be able to start moving most of this equipment in. If the fiber is ready to go, we can test it. If not, we can put in an active radio link and start getting some connectivity by the first couple weeks in February.

We have to pace ourselves with the actual completion of the building portion of this. It has to be a lockable space before we leave equipment there. We are closely coordinating with the construction crews to make sure that as soon as the building is secure and far enough along, we can start installing some of this equipment.

**LV SA Office Move – EPSCoR Voice Service** – Ed Anderson (SCS)

Somewhat related to the System Admin office move is the fact that the EPSCoR people are not going to be moving associated with the rest of the SA people. The fiber that went there is going to be redirected to the new location, so there still needs to be a data service for the remaining people from EPSCoR. We are working with them to educate them on what they will need to do. It is probably going to be a DSL setup. There aren't going to be that many people left. They are going to have to do some things to adjust some of the wiring from where it goes now to where it needs to be after the other folks leave. We are helping them figure out what they need to do and make the contacts to get those things done.

**Saturday Morning Firewall Cut Over** – Kirk Fitzgerald (SCS)

This Saturday morning, we're cutting over the Las Vegas data center fire walls from little firewall service modules to some new 5585s. It's just the legacy half of the data center; It's not iNtegrate. That side has already been cut over. The servers on the legacy side are DNS, web servers – everything that's not iNtegrate basically. It shouldn't affect UNLV at all. We've already done this cutover here in Reno, so it should go pretty smooth. Things should be down only 1 to 3 hours.

**LV Metro Ring Redundancy Upgrade** – Ed Anderson (SCS)

I mentioned this briefly earlier with what we're trying to accomplish with Cox and the fiber in the Southern Ring. All of our efforts at the moment are being directed toward the System Admin office move. That's our top priority. We need to get it done as quickly as possible. We will continue to pursue this project, but it's going to be after we complete the SA office move.

**SCS/SA Building Re-wiring** – Kirk Fitzgerald (SCS)

We went to bid on this project and selected a contractor. They have the designs completed and are ready to start this week on the Chancellor's Office here in Reno. Right now, there is only one data drop to every office. They are going to wire three or four drops to every office. It should take three to four weeks to complete. The SCS Reno facility will be tackled after that.

**Project Queue** – Tom Nieva (SCS)

For the month of December, we had one new project and completed 6. For the calendar year 2013, we had 72 new project requests and completed 83. Twelve were cancelled. We still have a balance of 35 projects in the queue and 8 are on hold for various reasons.

## **2. *Systems Support Services*** – Pam Burns (SCS)

The first day of classes is Tuesday, January 21. In anticipation of that, the firmware has all been updated. The operating systems have been updated for iNtegrate. We have the codes in place so that if systems need more CPU on the first day of classes, we are ready to give them more capacity on demand. Other than that, we are locking things down as of next Tuesday, and won't be making any changes to the systems other than emergency changes.

After classes on Friday, February 7, we're tentatively looking at removing our halon system, or at least cutting the wiring and disconnecting it from the shunt. Nobody expects there to be an outage, and we're working on UNR Facilities on that, but it is the same shunt that caused our building to go completely dark last time we touched it. We are confident that there won't be a problem.

## **3. *Data Center Operations*** – Rich Ayala (SCS)

Rich was not available to give us an update this month.

## **4. *Client Services*** – Brian Anzalone (SCS)

Brian was not available to give us an update this month.

## **5. *Enterprise Licensing and Contracting*** – Chris Gaub (SCS)

In conjunction with Business Center North Purchasing, we issued an invitation to bid to select a reseller for the Adobe transactional license purchases for the next two years. The ITB is closed, and we have selected a reseller, and Business Center North Purchasing is in the process of putting the contract together and doing the contract award hopefully today.

## **6. *System Security*** – Paul Mudgett (SCS)

Back in December, we met with the CTOs and got agreement to provide some consistency in the way that data breaches are reported to the Vice Chancellor's office. That memo and the information that is supposed to be sent up to the Vice Chancellor has been provided. There's a form that was sent to all the CTOs. Hopefully, it will never have to be used. That's the end goal. Anyway, the problem we had in the past is that we had some inconsistency on how breaches were reported. We had some campuses that would send a list of information that was breached including social security numbers and

other sensitive information. It increased the problem by distributing that information over email. We will provide just the minimum amount of information so people are aware.

Look out for new variants of CryptoLocker, which are now being hidden on USB thumb drives. They're putting the executable on thumb drives, and it is now going after audio, video, and images instead of the typical word documents and the other 70 different file types that were business related. We had one campus that was hit with CryptoLocker not too long ago. They expect with the new copycat out there that that is going to be a little more widespread. Just be on the lookout for that, and make sure you have good backups.

## **7. *New Technologies*** – All

### **Renovo Implementation** – Ed Anderson (SCS)

We went live with the Renovo implementation this morning and everything has been working well. We have gotten a lot of very good feedback from the schedulers from all the institutions on the functionality and ease of use of the new product verses what we used to have. So that's encouraging.

### **Ring Central Roll Out** – Jim McKinney (SCS)

We did the last port of System Admin yesterday. So all of the numbers we are going to port are ported minus a fax machine here at SCS that is hung up and the number for the main admin assistant at System Admin. After that, there's a little bit of clean up. We have a few ATAs. But we will start cutting all the T1 lines and taking the old systems off the boards. We have to either donate those or destroy them. We should have that wrapped up by the end of February

## **8. *Operational Issues/Events*** – All

### **Brocade Issues** – Ed Anderson (SCS)

We mentioned the last couple of months that we have been keeping an eye on the Brocade equipment that we've had problems with, and we've had a stable solution now for a couple of months. It looks like whatever problems we had have been identified and take care of so far, which is making us more comfortable about using their equipment in the future if we need to.

## **9. *Other***

### **New Connectivity Members from UNR** – Jeff Wolff (UNR)

(Jeff Wolff introduced two new members to the group, Scott Crow and Gordon Steinmann.)

Networking has merged with Scott Crow's department, so we are currently being called Unified Communications Network Operations. Scott Crow has been overseeing the telephony and exchange among other things. He has been with UNR since the mid-nineties.

Gordon has attended this group before. He is a senior engineer with UNR Network Operations.