

Connectivity Meeting

MINUTES

December 6, 2016

Attendees:

SCS – Reno

DRI – Reno

SCS – South

SCS – Elko

GBC – Elko

1. Network Services Update – Tom Nieva was absent from the meeting

Chandler stated that Tom Nieva was on vacation so she will be running the meeting today.

a. Videoconferencing Services (**Dani Chandler**)

USDA RUS LT Grant – Education

USDA RUS LT Gant – Telemedicine

Dani Chandler reported that we are in the process of purchasing the equipment for the RUS grant. The order should be completed by end of December at which time we will begin deploying the equipment. The project deployment will include 29 new video replacement units along with a new video collaboration infrastructure software solution. We will soon be purchasing and installing a Polycom RealPresence Clariti collaboration infrastructure software. Testing of the software should begin in January 2017 with implementation to follow. Recently we found out that Renown Health was awarded a RUS grant. We will be working side-by-side with Renown. There is an area of duplication in regards to the state prisons that will be addressed at a later time.

b. UNLV 10G to Shadow Lane Campus (**Eric Kepschull**)

Eric Kepschull stated that The Shadow lane campus is now running on the 10Gig connection with 2 redundant paths.

c. UNR Cooperative Extension Pahrump (**Eric Kepschull**)

Kepschull informed the group that the power company (Valley Electric) is the provider for the Broadband services in Pahrump. We are working to get the Cooperative Extension upgraded to a dedicated 50Meg circuit to us which should save money.

d. Remote Triggered Black Hole Routing (**Kirk Fitzgerald/Paul Mudgett**)

Paul Mudgett stated that we have been seeing an increase in the number and volume of (DoS) Denial of Service attacks. Because of this, Kirk Fitzgerald installed an Anti-DDoS router which will allow us to implement once we are notified of an attack. Currently we are using NetFlow to detect Denial of Service attacks, which allow a remote trigger Black Hole Routing. Recently, we received an appliance from Arbor Networks which we are now testing. The newer technology from Arbor Networks will help us to quickly detect, diagnose and resolve problems before impact.

e. ITS Phase-II US50 Project (**Greg Ebner**)

Greg Ebner stated we have an existing service out to Ely and Eureka utilizing the 2 of the 4 state fibers on US50. NDOT wants to upgrade that route at the request of the Governor's office to add additional services to that area. NSHE has specified the DWDM equipment for this new service points and routing equipment. NDOT has issued an invitation to bid to do the civil engineering/constructional work. After the bids close a suitable vendor will be selected. We are hopeful for a completion date of fall 2017. We will purchase and install the networking equipment after construction of the network infrastructure providing 10G waves along the route. AT&T, which is the entity that runs the fiber network, has to provide new access points to Fallon, Cold Springs, Austin, and Eureka with upgrades in Ely. AT&T will be splicing and testing fibers in January 2017. An outage is expected at some point and we will let you know of the time frame.

f. NS levels (**Tom Nieva**)

Dani Chandler noted that we are still working with search committee for a Network Engineer, Network Analyst II, and Audeo/Visual Network Administrator position.

2. iNtegrate2 Update – Jim McKinney

Jim McKinney stated that the campus playback sessions which started before Thanksgiving were completed and the primary focus for Intergrate2 is now testing. We anticipate that 50% of the P2 testing should be completed this week. Both HCM and Finance are being tested in Reno and Las Vegas. P2 system testing is on track and scheduled to run through mid-January 2017. P3 should be starting in February with P4 and Gold to follow. It is anticipated that Gold testing will begin in October 2017.

3. Systems Support Services – Pam Burns

Okta: We are working with Okta and each Institution to roll out a hub-and-spoke architecture for single-sign (SSO) on to Workday. SCS has configured the hub and both the UNR and SCS spokes have been configured in a test environment. Okta is setting up working sessions with the remaining Institutions to configure their spoke orgs. The Institutions should have SSO configured in test by mid-February in order to be ready for iNtegrate2 P3 testing in March. All of the institutions expressed an interest in provisioning/de-provisioning accounts. Once SSO is configured, each institution will need to work with Okta to provision accounts in the Okta orgs and potentially configure provisioning for their authentication source.

Spring Classes: Jan 23, 2017 is the first day of classes for most Institutions. SCS will have a moratorium on production changes for the month of Jan. Please contact Pam Burns concerning approval for requests to production during Jan.

Host Upgrades: The iNtegrate1 Instances requested that the AIX 7.2 Upgrade project be cancelled after determining that Oracle has not certified AIX 7.2 for Campus Solutions (CSS). All CSS and Financial Data Warehouse (FINDW) systems that had already been upgraded were restored to AIX 7.1. However, in order to keep current and take advantage of security patches, ancillary systems (ldap, mail, snmp...) will remain on AIX 7.2. Oracle has plans to certify AIX 7.2 under PeopleTools 8.56, but has not announced a release date.

The next window for operating system upgrades starts in Feb. Since AIX 7.2 is not currently an option, we plan to work with each Instance to upgrade to AIX 7.1 TL4. This technology level will bring the systems to the most current level of AIX 7.1.

We continue to work on migrating Linux systems from RHEL 6 to RHEL 7 and the Intel Systems to WIN Server 2012.

IBM will be releasing a new version of firmware for the iNtegrate1 Power8 systems in first quarter next year. We plan to apply the firmware in second quarter. This is a disruptive release which normally requires an outage on each host. However, we plan to use live partition mobility (LPM) to migrate lpars to alternate hosts in order to apply the firmware without an outage.

4. Client Services – Robert Prior

Robert Prior stated we have formed a team to look at current phone system. We will start interviewing vendors and get more features for less money.

5. Data Center and Facilities Planning – Rich Ayala

Rich Ayala stated that the UPS B in Reno should be done in February. A pre-bid walkthrough is scheduled for December 15, 2016. The bidding process should be finished by December 29, 2016 and then we will move forward. An external bypass conduit connection that had to be done was completed in November. In Las Vegas the process to purchase a new CRAC unit for this site has been completed and is the 3rd unit purchased and installed. We will begin to look at a communication system for the cooling of the room and the three units. We have seen a reduction in the electric bill.

6. Enterprise Licensing and Contracts – Chris Gaub (Gaub absent from the meeting)

7. System Security – Paul Mudgett

Paul Mudgett stated there have been many changes in regards to information security over the last couple of months. With support from the Board of Regents and Campus Presidents, an information security governance structure was established consisting of two NSHE-wide groups; an Information Security Steering Committee and an Information Security Officers Council. Members of these groups were appointed by their Institution President. These groups have met and are currently reviewing system-wide policy and procedure and will be engaged in security oversight of system-wide IT projects. Internal Audit is also engaged in this new governance structure to ensure compliance. Additionally, NSHE is moving forward with adopting a common information security framework. More information in regards to the Governance structure and use of the Cybersecurity Framework can be found on the new NSHE Information Security website (security.nevada.edu).

8. Operational Issues/Events Nothing to report

9. Other Nothing to report

Meeting was adjourned 9:40 am