Network Projects Review— Ed Anderson & Kirk Fitzgerald (SCS)

New Video Bridge Installation
SCS recently purchased a new video bridge which is partially installed and tested. It is the same brand but a newer model than the units we currently have, and it offers more functionality and capability. We are learning its nuances and peculiarities and working through other issues surrounding how it works.

NevadaNet Core Router Replacement
This is an ongoing project to replace four system core routers at the SCS data centers and the PoPs – two in the North and two in the South. The new core routers have been bench tested and look like they will be able to handle almost everything we need them to do. After installation, we will have a 10 gig backbone within each region as well as a 10 gig capability to the internet in both the North and South.

We have a couple of engineers attending a Foundry class this month to make sure we haven’t misconfigured or overlooked anything. The Las Vegas routers will be installed on May 17 and the Reno routers on May 31. UNR should not have to change anything, and UNLV will have to make only some small changes. TMCC would like to see if there is any flexibility in the schedule for the north to avoid conflicts with the beginning of the summer session.

SSL VPN Solution
SCS has purchased equipment to handle the new SSL VPN solution for iNtegrate. It should be up and running for iNtegrate by the end of April. Eventually, we will also add this functionality to our current legacy equipment environment. We are trying to get rid of the Cisco client that everybody is using. The SSL VPN will be a thin client that is automatically downloaded to your workstation or laptop.

IP Address Migration
We had some requests in the past from UNR that had to do with them receiving all of the complaints of spam and other incidents for their own campus as well as for the other NSHE agencies using IP space within their subnet. One of the ways to resolve this problem is to split the address space in half so that UNR is responsible for the lower half of the subnet and SCS is responsible for the upper half of the subnet. This means that the agencies that are borrowing UNR address space will be required to make address changes and re-register DNS for each device affected by the change. After some extended discussion, everyone agreed that this undertaking would not be a trivial matter and it would take a long time for the institutions to complete the migration. It was agreed that we needed to formulate a migration plan and preliminary schedule for the work. SCS will facilitate a meeting with the affected institutions in order to see if some sort of
priority can be developed so that the easy things and those of more immediate urgency can be identified and tackled first.

**TC Reliance Upgrade**

SCS recently upgraded the TC Reliance scheduling software package to a newer version. Ed Anderson asked for feedback from those who are now using the upgraded version. No-one present had any immediate feedback to offer.

**Systems Support Services / iNtegrate Infrastructure Update**

No representative from Systems Support Services was available to give an update.

**Information and Application Services / iNtegrate Application Update**

No representative from Information and Application Services was available to give an update.

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

CS just finished the Microsoft campus agreement. The Chancellor signed off on it, and it will be sent to CDWG today. This means that everyone can order the Microsoft desktop operating system package of their choice. Each campus will be billed individually by CDWG. This allows for more flexibility. We do not all have to have the exact same package now. We will add CDWG as one of our Microsoft select partners, and you will be able to get quotes from both ASAP and CDWG. That takes care of the software agreements until July when we will be coming back with SPSS and SASS and all the regulars.

We are also investigating two new software agreements – WIMBA and VMware. Both are vendors that have indicated that several institutions use their products, and there might be some savings if we institute a system-wide agreement. We will be meeting with both these vendors this week.

**System Security** – Paul Mudgett (SCS)

Robyn Render, Bob Moulton, and Paul Mudgett are collaborating to put together a presentation/short training for the iNtegrate IDP groups about the handling of sensitive information. This is in response to instances of sensitive information transmitted by email.

There is no new activity with the Security Interest Group to report at this time.
**Operational Issues/Events** – All

**Internet Utilization, North/South Utilization** – Ed Anderson (SCS)

Ed presented some major network connection loading data for February. Below is a summary of the data presented

<table>
<thead>
<tr>
<th>Connection</th>
<th>Peak</th>
<th>Average (8:00 a.m. to 6:00 p.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Commodity Internet</td>
<td>580 Mbps</td>
<td>410 Mbps</td>
</tr>
<tr>
<td>So. Commodity Internet</td>
<td>640 Mbps</td>
<td>386 Mbps</td>
</tr>
<tr>
<td>Research Internet</td>
<td>240 Mbps</td>
<td>83 Mbps</td>
</tr>
<tr>
<td>N/S Connection</td>
<td>650 Mbps</td>
<td>240 Mbps</td>
</tr>
</tbody>
</table>

**Other Issues**

None offered.