

Network Nebraska Agenda

<http://nitc.nebraska.gov/NNAG/meetings/>

September 17 - 1 to 3 PM

<http://goo.gl/68oU7j>

[Video Conferencing Connection Information](#)

Agenda:

1. Welcome - [Network Nebraska Members](#)
  - a. NNAG Members - John Stritt, ESU 10; Deb Schroeder, UN-K; Clifton Pee, Metro CC; Ron Cone, ESU 10; Scott Jones, ESU 15 & 16; Nick Muir, WSC; Rob Hanger, Palmyra-Bennet PS; Bob Uhing, ESU 1; Kirk Langer, Lincoln Public Schools; Gene Beardslee, PSC; Tom Peters, Central CC; Michael Ruhrdanz, UNL; Caroline Winchester, Chadron PS
  - b. Liaisons -Greg Gray, Ben Mientka, Brad Weakly & Leona Roach, UNCSN; Tom Rolfes, OCIO; SuAnn Witt, NDE;
  - c. Guests - Bobbi Gatrost, Omaha Public Schools; Susan Forslund & Mark Hansen, ESU 3;
2. Additions to the agenda - please add items to the agenda?
  - a. There were no additions
3. [May 21 Meeting Notes](#) (raise hand)
  - a. Motion to approve - Bob Uhing
  - b. Second - Kirk Langer
  - c. Vote - All were in favor; 11 Yes, 0 No. Motion passed.
4. Liaison reports impacting NNAG discussion (Tom Rolfes)
  - a. CAP update ([9/10/2014 CAP Agenda](#))
  - b. NITC Technical Panel Enterprise Project [Report](#)
  - c. Education Council
5. Committee Reports
  - a. **Governance** (Deb Schroeder, Scott Jones, John Stritt, Chris Vaverek, Darci Lindgren)
    - i. Review committee membership - Scott Jones
    - ii. Update on NN Membership - Tom Rolfes
      1. K-12 - 255 K-12 members, including public school districts, ESUs, private schools
      2. Post Secondary - 19 higher education members, including U of N, state colleges, community colleges, tribal colleges, private colleges
      3. Other - Homestead National Park and Grand Island Public Library
      4. Others - Joslyn Art Museum and Lincoln City Libraries
    - iii. NN Membership Guidelines/Participation Profile - John Stritt
      1. [Network Nebraska Statutes](#)
      2. Current membership information - Bandwidth purchased
      3. Potential NN Members ([7/1/2014 Participation Report](#))
        - a. K12 (Public) - 14 ESU 3 schools; South Platte PS @ Big Springs

- b. K12 (Private, Denominational) - Omaha Archdiocesan Schools; Others
    - c. Post Secondary - Bellevue University, Bryan College of Health Sciences, Concordia University, Grace University, Hastings College, Nebraska Methodist College, York College (Mike Carpenter & Chris Vaverek)
    - d. Other - 267 Public Libraries
  - 4. Reviewing membership guidelines
    - a. Changing statute? John Stritt asked Tom to explain how and when the Network Nebraska statutes might be changed to include museums, science centers, zoos, and cultural centers. Tom explained that such a legislative change would best originate from the schools who might benefit and the non-profit entities who may be interested in connecting.
    - b. Changing participation fee? John introduced the concept of a lower tier structure for nonmembers from nonpublic schools and public libraries.
    - c. Impact on [MOA](#)? Bob Uhing asked if there were any potential negatives of having smaller entities join the network--like additional technical support from UNCSN staff. SuAnn mentioned the affiliate group discussions during the PDO meeting and the impact of added services, single sign-on, etc. when non-education entities are member on the network.
  - iv. Budget - Deb Schroeder--Deb provided an overview of the work of the budget committee; setting fees, and helping to maintain services and control costs. Tom reported that the 2013-14 Participation Fee fund account finished the budget year with an estimated positive variance (surplus) of \$80,000, and a total project positive variance of about \$307,000 accumulated toward a future hardware replacement of core infrastructure/routers/switches, projected for 2017.
- b. **Emerging Technologies** (John Dunning, Ron Cone, Tom Peters, Gene Beardslee)
  - i. Identity Management & InCommon Pilot Project - Ron Cone Question - Scott Jones asked what needs to be done to move the process over? Ron commented that there is a need but the solution could be headed by ESUCC, ESU dedication to the projects. Bob Uhing indicated this is a critical issue as response to statewide projects and from a security side. SuAnn Witt mentioned that some of the funding could be considered from schools and as part of data dashboard or through MOAs with NN members agreeing to the added contracted service or FTE.
  - ii. Big Data Transport (Data Dashboard) - Tabled and continue to monitor

- iii. Caching Service - Brad Weakly--Brad reported that the Apple iOS8 update generated an additional 4.5-5 Gbps of bandwidth on the network today. UNCSN continues to look at the potential of caching services on the network.
- iv. Firewalls/Gatekeepers - Ron Cone ESU-NOC came up with a dial plan but it was not shared extensively. Leadership of Ben and Brad suggesting firewall options.
- v. IPv6 - John Dunning Table.
- c. **NN Application Services** (Bob Uhing, Mike Carpenter, Kirk Langer, Michael Ruhrdanz)
  - i. BlendEd - Bob Uhing: Group traveled to Lawrence KS to see how Blackboard is assisting in BlendEd. Sub-committee is looking at LMS. If LMS is privately funded would there be interest in going to a statewide service. Currently 3 LMS programs are primary solutions. Bright Bytes as a state wide funded service to measure use and growth of technology. Would Safari Montage be available to post-secondary related to classes offered. Kirk Langer added that Bright Bytes consolidates information from teachers, students, and parents.
  - ii. Internet2 Net+ and Commercial Peering Service- Michael Ruhrdanz: No peaks above normal I2 traffic with Apple updates at UNL. Average of 1-1.5 Gbps load over the CPS segment this year. Interesting to see what happens after the iOS8. [Net+](#) are additional Internet2 services. If interested in these Michael would be willing to check into these. Are Net+ services available to university and all NN members? If interest Michael would check it out to see if it is possible.
  - iii. Traffic Shaping - (Over subscription??) Brad Weakly: Purchased 25G of bandwidth. Unused capacity is able to be used by everyone. K12 using vast majority of capacity during the day and post-secondary at night. Reports should help in determining need and future purchases.
  - iv. Intrusion Prevention Services - Brad Weakly and Ben Mientka: Ready to move some ESUs to transition into the equipment. Those with older equipment will benefit the most. Scott Jones asked if intrusion prevention would be helpful in support of H.323 channels. Brad said it would be helpful.
  - v. Network Management - Brad Weakly and Ben Mientka; Implemented Solar Winds system for NN. Be able to delegate accounts to NOC people for devices and control circuit ID.
  - vi. Shared Services - Clifton Pee asked "Is there a reason why we can't use the purchase of bandwidth not used as a shared service?" Kirk Langer commented that "capacity planning" is the key to purchase.
- d. **Marketing** - (Clifton Pee, Caroline Winchester, Rob Hanger)
  - i. NN Web Site - Tom Rolfes
  - ii. Survey - SuAnn Witt: Might be a need to bring back as no survey has been done in the past 2 years.

- iii. Collaboration with outside groups (PSC) - SuAnn Witt: PSC is interested in NN use.
- iv. Other Committee Reports:
  - e. Community Colleges - Tom Peters and Clifton Pee: Glad to get the fall going.
  - f. State Colleges - Gene Beardslee and John Dunning: Nothing to report
  - g. U of Nebraska - Debbie Schroeder and Michael Ruhrdanz: No report.
  - h. Private Colleges - Mike Carpenter and Chris Vaverek
  - i. ESUCC - Bob Uhing: FCC erate changes for internal connections. How will districts bid the projects and ESUs be involved? An estimated \$52 million in total project costs and \$35 million in actual E-rate support could be available to purchase wireless access points, cabling, switches, routers, power supplies, etc... just for K-12 schools.
  - j. DEAC - Scott Jones: BlendEd discussions looking at ways to replace incentive dollars, NDLA conference, statewide LMS discussion, VFT opportunities.
  - k. NOC - Ron Cone
- 6. Outside interest from other states - Tom Rolfes--Tom reported that the Office of the CIO has responded to inquiries about Network Nebraska from the states of Arkansas, Arizona, Colorado, Idaho, Kansas, New Mexico, and Wisconsin just in the past 60-90 days.
- 7. Upcoming Meeting Dates
  - a. 3rd Wednesday - PM (November 19 - January 21 - **March 18?** - May 20 )
- 8. Next regular meeting - Wednesday, November 19. 1-3 PM

The meeting adjourned at 2:51pm CT.

Meeting minutes were "crowd-sourced" by members of NNAG and reviewed by staff liaisons before posting to the [www.nitc.ne.gov/nnag](http://www.nitc.ne.gov/nnag) website.