

**NTNC Executive Committee**

University of Minnesota campus

2014-02-19

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Present:

IA: Steve Fleagle, Univ IA; Kim Kuebrich Yordi, Univ IA

Internet2: Rob Vietzke

MN: Bernie Gulachek, Univ MN

MT: Matt Riley, Univ MT

ND: Marc Wallman, NDSU; Kim Owen, NDSU

NE: Mike Ruhrdanz, UNL

PNWGP: Jonah Keogh

SD: Roberta Ambur, USD

WI: John Krogman, UW System; Dave Lois, WiscNet

Agenda Updates ~ due to winter storm coming in to Mpls overnight, the agenda has been compressed and will be completed on February 19 with no further meeting business planned for February 20.

## 1. Introductions and State reports

## a. IA- Steve Fleagle

The IA statewide communications network provides connections to K12, gov't offices, etc. Government initiated broadband initiative will serve rural IA. The IA State Higher Ed board is initiating an efficiencies review across three campuses this year. The BOREAS-Net 100Gb upgrade has been completed and is seeing use by BOREAS members (UW system using it for LHC research connections).

## b. MN – Bernie Gulachek

UM has been upgrading out-state presence and capacity as part of the Learning Network of MN. Connectivity is managed jointly by state, UM, MNSCU and leverages vendors, state and higher ed resources. Interest in Internet2 Net+ Services across the state is increasing. Many smaller campuses across the state are interested since there is currently no procurement organism in place. The Northern Lights GigaPop held a meeting for its members in January 2014. The 511 Building in Mpls now has presence by both Internet2 and Google.

## c. MT- Matt Riley

Working with Internet2 to bring a connecting point at 100Gb in Missoula by mid-2014. U-MT campus network will be upgraded to match the external speeds; increasing core to 100G capacity. The MT Health Exchange is building fiber networks across the state with some initial access by University system and tribal colleges. They are looking to expand invitations to peer with others in the state such as Rocky Mountain Labs in Hamilton and other universities. U-MT is exploring opportunities for connections with Canada/BCNet to the north. MSU and the state both have new CIOs in place as of this spring.

## d. ND – Marc Wallman

Grant activities are complete for Northern Wave and North Dakota-South Dakota connection. An EPSCoR grant for ND's Tribal colleges resulted in enabling network traffic to pass through the Internet2 routing table, including these campuses in US-UCAN (formerly Internet2 SEGP).

## e. Pacific North West GigaPop – Jonah Keogh

They now have completed a fully redundant connection between Seattle and Portland and are also working to increase PNWGP presence at Starlight.

- f. SD – Roberta Amber  
 Several institutions in SD are pursuing CC\*IIE grants. South Dakota’s Research, Education & Economic Development (REED) network is now about 5 years old and is developing a refresh plan. Due to recent news regarding the National Lambda Rail, SD is looking to possibly connect with both GPN and NW in Fargo.
- g. WI – John Krogman, UW system / Dave Lois, WiscNet  
 WiscNet has separated operationally from the UW system. WiscNet will continue to peer and collaborate with UW system campuses.  
 WiscNet will maintain its current location at UW-Madison. UW campuses have until January 2015 to end services with WiscNet and proceed through procurement of their own equipment, staff, etc. UW Madison will continue to operate Boreas so no major impact is anticipated. Likewise Boreas and WiscNet will continue to provide NOC services for NTN-ND. Some changes on day-to-day operations and the new business model are still to be determined.

2. US UCAN Community Quarterly Conference call (Kim Owen participated): The calls provide a forum for US UCAN/SEGP/Regional partners to discuss best practices and opportunities for working with community anchor institutions (CAIs) and for the US UCAN program to give a brief update on its activities. Please share this invitation with relevant staff. Below are the dates and times for the quarterly US UCAN Community Calls, which will be hosted via a teleconference bridge (Telecon/Dial In: 734-615-7474, PC: 0111625).

US UCAN Community Calls Schedule

Wednesday, Feb. 19, 2014 at 3pm EST

Tuesday, May 13, 2014 at 3pm EST

Tuesday, September 2, 2014 at 3pm EST

Tuesday, December 2, 2014 at 3pm EST

Internet2 is developing a US UCAN Community ("[usucancommunity@internet2.edu](mailto:usucancommunity@internet2.edu)") email list to disseminate relevant news and materials, support group discussions, schedule additional meetings or calls, etc. Please send an email to [sspellman@internet2.edu](mailto:sspellman@internet2.edu) if you would like to join this list.

3. Internet2 Update: Rob Vietzke  
 Shel Waggener, Senior Vice President, NET+ Services is working with the national university procurement officer’s organization to best develop a standardized procurement process for NET+
4. Grand Challenges - International Connections
- a. Canada (CANARIE)
- CANARIE has built the linear fiber creating a single path from east to west across Canada. CANARIE is looking for multiple opportunities to create redundant paths and loops. Internet2 is interested in builds that provide 100G redundancy and includes Canada. Within these plans are opportunities for more fiber and long-term strategies by NTNC border states. Along with NTNC, The Quilt and Merit have been reaching out to Canada.
  - If connection from Winnipeg to Chicago exists: NTN could share fiber; if necessary to close loops, NTN can reciprocate with back-up services through the various segments.
  - Examples of some of the current (or in discussion) connections between U.S. and Canada include Montreal to Albany; an international connection at Halifax; ND to Winnipeg, MB; MT to Calgary, AB; and a project with PNWGP.

- b. India
    - The U.S. government is very interested in developing relationships with India higher education. The hope is that U.S. campuses will look to open up satellite campuses in India similar to the development of similar collaborations in China.
  - c. ACTION:
    - Rob and Steve to determine if there's interest in meeting with CANARIE reps at the Internet2 Summit.
5. Grand Challenges - Internet2/Zayo long term strategy
- MT / NTN-ND contracts with PNWGP will both be renewed in 2015.
  - The ATT colocation contract is on a different schedule. Internet2 is willing to continue that contract but the result will not be aligned to NTNC's original goal of having the NTN identified as part of the national Internet2 backbone.
  - If NTNC were to complete its own connection, all stakeholder states would be required to agree to the build in order to move forward.
  - Consider joint strategy on a triangle: Seattle/ Des Moines/ Fargo (Mpls). Engage Internet2 and Google in the discussion.
  - This is somewhat part of a larger marketing issue: We would need to create a market - up the value proposition for NTN.
- a. Timeline
    - Fiber will be outdated very soon. Consider strategizing.
  - b. ACTION:
    - Engage existing and potential partners and invite to NTNC annual conference: ATT, Zayo, Microsoft satellite campuses, Sura, Rail Companies, Level 3.
    - Matt to reach out to a railway contact he has and will inquire
    - Marc to connect with lead at Fargo Microsoft campus
6. Grand Challenges - Using the network for collaborative activities
- a. Communication: develop vision for NTN brand and any reference of collaborations as "NTN activities"
    - Targeted at key stakeholders
    - NTNC specific promotional events
    - Highlight successful models: NIH/CTSA collaborations (MN/IA/WI/WA)
    - Campus foundation grants to emphasize innovative uses of the network
    - Teaching/learning applications
  - b. Internet2 member meeting: plan for NTN CIO meeting mid week
5. NTNC Website:
- a. After discussion it was consensus of the group to move NTNC website domain to U-MT with Gordy Pace to remain as Webmaster.
  - b. Other tasks:
    - Update member list and confirm institution and technical names and contact information are current and accurate.
    - Continue updating other segments of the website: About, Membership, Network, Committees, Meetings, etc
6. Summer meeting plans and topics:
- a. State updates
  - b. Internet2 updates
  - c. Goals and objectives activity
  - d. Invite vendors
  - e. Date and location to be determined with details shared via the membership list.