

NTNC Steering Committee meeting

2017-01-26

Matt Riley, Jonah Keogh, Dave Lois, John Krogman, Rob Vietzke, Gordy Pace, Valerie Crepeau, Mike Ruhrdance, Karl Kowalski, Steve, KO, MW, Sasi Pillay, Amy Philipson

Pres Matt Riley opened the meeting at the Oxford Hotel, Denver, CO at 9 a.m. On Thursday Jan 26, 2017.

Matt reviewed the agenda and related plans for the meeting.

Financial report: Balance as of 2016-12-31 \$161, 862 with \$6k remaining in accts receivable at the time. John Krogman moved and Dave Lois seconded the motion to approve the meeting minutes and financial report.

Welcome to Oregon as new member. Steve Menken will serve as the NTNC representative from OR. Marc and Gordy to work on updating the map for the website.

Business meeting

1. NTNC conference call was held in December, 2016 to discuss white paper submitted to Internet2 as part of their long term strategic planning. In addition, an update on plans to continue the SWOT analysis begun in 2016 were proposed, with a portion of the upcoming January Steering committee to focus on that activity and continue at the next annual meeting.
2. Use cases as evidence on the return on value for regional R&E networks was discussed. Members were asked to identify good examples including models developed as a result of the NSF CC NIE grant awards in recent years, such as collaborative initiatives across institutions/regions.
3. Update on progress of work on ATT/SURA lease between Seattle and Chicago (PNWGP: Amy / Jonah)

Overview:

ATT worked with SURA in 2004 to reserve 16,000 miles of dark fiber (GridFiber) that universities/public institutions could purchase 20 year IRU's. They granted the IRU's free but then the asset holders had to cover O&M ongoing costs at levels way below market costs.

- PNWGP signs IRU for WA IRU #4
- PNWGP / MT State U IRU #2
- PNWGP signs IRU with ND IRU #8
- PNWGP signs IRU with MT IRU #9
- Northern Wave L2 built and completed in 2015

In 2016, a private company, N13, has been engaged in order to assist with upgrade to the next gen 100G path at a very cost effective option. The primary wave in focus is Spokane to Mpls (already have 100GBPS on that span). The proposed work would decrease costs even further. Key locations for upgrades include Spokane, Bozeman, Fargo, and Minneapolis. Partnership with N13 also includes access to capacity on additional routes where they have fiber. The work involved with include fiber cleaning and utilizing carrier-provided solutions for secondary sites. Timeline is anticipated to be completed before cold weather in fall, 2017.

Discussion:

End of full IRU is in 2028, and PNWGP has the ability to cancel in five year increments (2018 / 2023 / 2028)

N13 is a multinational medical research entity.

While PNWGP is not gaining any income from this transition, they have assurance they will not going to have the contract dropped in their laps
 For PNWGP - this is not something PNWGP needs to do because they don't need the path, but they feel ownership in trying to keep this path alive and provide benefits to member states. Not transferring any assets from any of the current asset holders; IRU's are not being transferred. PNWGP still owns all the IRU's
 N13 is responsible for all operations. The IRU O&M costs are going to go away for the current asset holders.
 UMN/UW – Madison/NDSU have been engaged in the ongoing technical calls with PNWGP and N13 as the project moves forward.
 Capacity will be a fixed amount that is set aside for the community; with additional amount that is available based on first come/first served basis
 Asset holders will we have visibility into the network. Details will need to be worked out for access.
 Status of agreement: both MT and ND are in the process of reviewing the amended operating agreements for their segments and securing agreement by the appropriate state partners. Both states will need to sign off on the new agreement prior to PNWGP and N13 finalizing their agreement.

Risks

N13 does not have a presence on the web
 N13 could disappear just like others. Since little is known about this company the group expressed concern that the lack of information makes it difficult to explain to local stakeholders.

ACTION...

Create elevator speech relevant for all NTN
 Include an update on this discussion at the summer NTNC meeting.

4. NTNC white paper submitted to I2 and January meeting debrief
 Matt provided process and background. Thanks to Mike, Roberta, Kim, Matt for work on developing the content for the paper.
 All aligned to action statement crafted at NTNC annual summer meeting 2016
 Consensus by the group that the paper accurately reflects current concerns of the NTNC partners. Internet2 presented the discussion at January 2017 meeting in AZ. Topics included a technical discussion on development of parallel networks and the ability to engage in testing capacities of perfSONAR, GENIE, etc
 There is concern that the organic model of growth for Internet2 and regionals to date may not be the best way going forward. Community Anchor Networks (CANs) topic came up again: the regionals spend a lot of time on that but not Internet2. In addition, the new Internet2 CEO is going to have a lot to process - is there a way to assist/feed that process or not?

ACTION -

Rob to schedule a NTNC meeting at the global summit.
 Encourage individual members to post their success stories on the NTNC site
 Marc to update map of NTNC connections - OR, AK, others

5. SWOT analysis/process - led by Gordy Pace, U-MT

Gordy led the group through the process to identify SWOT items and how elements of each might integrate in order to help formulate a strategic plan for NTNC going forward.

Plan for Gordy and Matt to build the outcomes from this process into a formal document that can be used to update the general membership and continue the discussion at the annual summer meeting.

6. State/Member updates

Internet2

- Update on new CEO search, updates on all services

UW Madison

- CIO Bruce Maas has announced his retirement by May 1; search will begin mid-summer. IT governance on campus is being re-organized
- RFP for data center hosting/space - current one is out of space and not going to build a new one
- BOREAS upgrade underway - moving to 500G across the backbone

WiscNet

- Erate for health care sites to help subsidize connection costs for those entities
- WiscNet updating business model for peering service

PNWGP

- 100 GBPS fiber to Tokyo - trans packet;
- connectivity very good through the PNWGP

WA state

- partnering with PNWGP and port authorities to secure better data rates for middle mile
- medical school is opening up opportunities to offer affordable access to healthcare and education.

ND

- proposed operating amendment edits with PNWGP
- university system looking to consolidate
- budget cuts anticipated

OR

- looking to centralize all of IT across campus
- complete rebuild of core network across all buildings across campus over next five years
- regional - working on new financial model for R&E network
- Promoting to all stakeholders the value of the network.

AK

- Prudhoe to Fairbanks is done
- legislative cuts coming due to oil drop; consolidations of services: Bb
- Quintillion - installing fiber optic cable through the northwest passage in order to connect all continents. - connecting from London to Alaska to Tokyo - lots of opportunities to connect.
- good support/consideration of the higher education community and the research

NE

- consolidation movement going forward; procurement; leveraged resources
- at the same time anticipating less state support; system is looking at a shortfall over the next two years.

MI Merit

- long term planning - first set of IRUs in the state are up in 2025 so planning has begun on next iteration
- using Internet service provider for DDOS service; more cost effective

MT

- PNWGP lease agreement negotiations
- two universities have been collaborating to accelerate efficiencies and are communicating that to stakeholders.
- anticipate a large cut to higher education; more of the same, they have been taking incremental cuts for several years
- presidential search starting soon

7. Annual summer meeting 2017

- Date / location / initial details: consider the third week in July again in Big Sky or other MT location.
- -maybe AK again in the future?

8. Meeting adjourned