

NTNC Exec Meeting Minutes

Hosted by North Dakota State University
 Fargo, ND

January 26, 2015

Present:

Mike Ruhrdance	CeCe Rohweddar	John Krogman
Matt Riley	Marc Wallman	Amy Philipson
Bob Stovall	Dave Lois	Kim Owen

1. President Marc Wallman called the meeting to order and went over meeting details, housekeeping details.
2. Introductions
3. Meeting minutes from 2014 (exec and annual meeting)
4. Budget/financial report
 - a. Reviewed report from Internet2 as of 2014-06-30
 - b. Still taking in more revenue than what we spend annually
5. Agenda review
 - a. State reports including current IRU status
 - i. ND
 1. State IRU
 2. SD is using a wave coming up to Fargo
 3. Sharing a wave with MN to connect to Crookston campus; talk with MN to get their campus connected at Mankato campus to also provide an alternative route.
 4. EROS connection and interest in a wave
 - ii. WI
 1. WI is building two separate networks – have duplicated the entire optic network in two years.
 2. Have a loop that runs from Chicago to Green Bay and also a loop that runs from Chicago to Wausau to Eau Claire to Mpls. Can also duplicate the DOT path that runs from Milwaukee. All part of Infinera infrastructure where all services will be shareable. Soon to be sharing services with MERIT.
 3. WiscNet is to create community area networks (CANs). They drive, govern and operate and have local control and economical costs. Not residential and business but focusing on community anchor institutions.
 - iii. UW- Madison
 1. Updated fiber path to 100G – now complete
 2. As of mid January the UW system is up and they are running their own network completely.
 3. Budget will come in a bit under projected: \$13M over 5 years.
 4. Cisco has approached UW with a pilot of 500 users – will see how that turns out.
 5. Fiber paths: they have some IRU's that are out at 12-13 years.
 - iv. WA/PNWGP
 1. 100G across the state, along with up and down the west coast; WRN path is being upgraded to 100G
 2. Work on local issues and try to find a better way to serve the local entities.

- v. NE
 1. One fiber IRU – main Internet2 connection from Kansas City to Lincoln.
 2. 94% of all K12's are connected to the state network.
 3. Getting their campus network ready for IPv6. Also building a ring out to Univ NE Kearney.
- vi. MT
 1. Completed 100G (Internet2) drop points in Missoula in January 2015.
 2. Between UMT and MSU sharing run with PNWGP and ND – coming up in the next couple of years.
 3. Recent open conversations with the state about UCAN – one of the six remaining states that have not yet gone with UCAN. There is interest in UCAN by libraries and K12, but more so by libraries – K12 is unsure.
 4. Upgrading in-state links wherever possible: Flathead Lake for health care;
- vii. MI
 1. All universities are now connected at a minimum of 10G. A couple of larger ones are using more than one wave to give them higher connections. By end of year all universities will have 20G connections.
 2. Interconnected with OARNet (Toledo and Hillsdale)
- b. Web Updates/Maps
 - i. Website has now moved to MT server
 - ii. All updates to the web site have been approved and/or completed by the steering committee and forwarded for publishing.
- c. Other Grand Challenges
 - i. Interconnection w/ Canada
 - ii. North South connection to Internet2 POP in Kansas City
 - iii. Future of East-West connection—Chicago to Seattle
 - iv. Effect of interdependencies on various states
- d. Internet2 challenge to NTNC:
 - i. What can Internet2 do for NTNC? Goals? Work plan? What does each state need?
 - ii. Plan for a broader discussion at NTNC Annual Meeting 2015.
- e. Annual 2015 meeting plans are in place for location in Ann Arbor, MI
- f. Identify options for 2016 meeting locations: exec meeting and annual