

MICE UG 14 Minutes

Meeting called to order at 4:05 pm

Roll Call

<u>702 Communications</u>	<u>15267</u>
<u>Airstream (Future)</u>	<u>11796</u>
<u>Arvig</u>	<u>16904</u>
<u>Broadband Visions</u>	<u>25615</u>
<u>CDW/Berbee</u>	<u>3599</u>
<u>ClaimLynx</u>	<u>62708</u>
<u>Cooperative Network Services (CNS)</u>	<u>32609</u>
<u>Emergent Networks</u>	<u>29762</u>
<u>Genesis Wireless/RevNetData</u>	<u>30032</u>
<u>Google</u>	<u>36040</u>
<u>HCMC</u>	<u>40413</u>
<u>Hurricane Electric</u>	<u>6939</u>
<u>Implex</u>	<u>21709</u>
<u>Mankato Networks</u>	<u>11839</u>
<u>Minnesota VoIP</u>	<u>32621</u>
<u>MyTelepath</u>	<u>20338</u>
<u>Nextera</u>	<u>22402</u>
<u>Northern Lights GigaPoP</u>	<u>57</u>
<u>NU-Telecom</u>	<u>25852</u>
<u>Paul Bunyan Communications</u>	<u>14371</u>
<u>TDS</u>	<u>4181</u>
<u>US Internet</u>	<u>10242</u>
<u>Wikstrom Telephone Company (Wiktel)</u>	<u>33362</u>

Guests

- Google, Chris Van Fossen

Reports

- Financial Report
 - \$2938.07 – Bank Balance
 - ~\$500 – Paypal Account Balance
 - (Received \$250 Donation from Kevin Roberts, TDS Telecom)
- Industry Reports
 - NANOG – Mike Hemphill
 - Presented at MICE and highlighted MICE
 - Spoke with Apple Peering Coordinator, indicating 2015/2016 for potential connection
 - Microsoft, no timeframes, but they're looking at Minneapolis/MICE
 - Cologix Connect Meeting in Minneapolis
 - Interest from State in fostering growth of MICE

Old Business

- L2 Security Project – Status & Plan
 - Complete, increased MTU to 9216 across exchange
 - Don't send BPDU's, will cause port to flap
 - Limited to 5 MAC's

- Turned on Storm Control
 - Will be adding a suggested port configuration for new members to the website
 - MICE 501.(c)6 Discussion
 - Jeff Clancy, Stinson Leonard Street
 - Reviewed discussion points briefly (emailed to list), and gave time for Q&A
 - Entity choice is not an issue, MICE can remain an LLC (per State of Minnesota)
 - Seattle IX (SIX) was approved under 501.(c)6 and provides a good model and case
 - Fees estimated between \$5500 - \$7500 plus filing fees
 - *Motion*: Board of Governors be empowered to prepare for filing for 501.(c)6 status
 - Dave Farmer, Richard Laager
 - Discussion:
 - Downsides: Can't make a profit (we're operating like this now, essentially)
 - Attaining Capital:
 - 501.(c)6 Must function with membership dues or income related to the business
 - Doesn't have to be monetary, specifically, but must benefit the entire group (e.g. Honorarium); must ensure each member receives same benefits as others (i.e. member who isn't paying can't receive more than others who are paying); see SIX for example of non-dues monetary support
 - Donations must benefit entire cooperative
 - 22 Yes, 1 Abstains; Motion Passes
- Fee Structure Discussion
 - Title: How to raise money
 - Challenge, as a "for profit" company (i.e. not a non-profit), we cannot carry a large bank balance.
 - We are nearing capacity and will need additional equipment. We will also need money to pay for legal fees and other incidental costs (e.g. ARIN)
 - Discussion tabled
- Update on Google
 - Connecting for Peering Soon

New Business

- Netflix
 - Brought us up to 82 Gb on the exchange on 21 Oct 2014
- Use of Community Strings
 - Not prohibiting bilateral peering today; adding community strings allows greater granularity
 - Allows blocking of specific offenders or issues without ending peering with MICE entirely
 - Allows another way to manage bandwidth and utilization on the cluster
 - Allows more granular troubleshooting by connected members
 - It is not currently a requirement to participate in multi-lateral peering
 - The group generally feels the arguments for community strings outweigh the arguments against
 - We must take seriously the concerns about the potential for creating islands
 - Who to create, manage and maintain the communities
 - Jay Hanke is going to do a little research and the consensus is to move forward with the use of Community Strings
- Port Usage, Availability & Planning
 - 8 more 10 Gig ports can be added before it becomes non-blocked
 - 128 Gig total capacity between the switches, limit is the stacking
 - David Farmer will put together a small group to review capacity and recommend new hardware requirements; will email list with results

Open Discussion

- PVLAN Service on the IX
 - Advocating some planning and research
 - Should be considered as part of upgrade planning

- Should be fully documented and designed as a service
- Tabled for future discussion; will revisit in Q1-2015
- Discussion of who in 511 is not currently connected to MICE
- Update PeeringDB, make sure you're listed in the facility AND as connected to MICE
- Reminder: watch your ports for capacity, many are getting close to congestion
- If you have more traffic, it's best to be on the main switch
- UMN is moved to the main switch as of today, will be bringing up second 10 gig (LAG) within the next few days

Next Meeting

- UG 15: Q1-2015, Wednesday, January 14th, 511 Building
- UG 16: Q2-2015, Wednesday, March 25th, (511 Building | Hiatt)
 - Immediately follows MTA 2015 Conference, venue should change to Hiatt, working on this
- UG 17: Q3-2015, Summer Timeframe, St. Cloud (Venue TBD)

Meeting adjourned at 5:55 pm