

## NTAC Peering and Routing Working Group

11/17/2020 Call Notes

1. Agenda Bash
  - a. None.
2. Update on peering and I2PX
  - a. Jeff Bartig: Not a lot to update; with a lot of students not on campus, have not had much growth on I2PX beyond certain peers like Zoom, so not a lot of augments. Have recently connected Microsoft at 100G in Chicago and Ashburn. Charter capacity up to 20G from 10G in Ashburn.
  - b. Farmer: any update on Oracle West Coast? Bartig: no, but will keep bugging them about it.
  - c. Chris Wilkinson: have evaluated doing some early augmentations at a few peering locations, but are waiting for things to shake out in the optical deployment.
  - d. Farmer: A year ago at this time were talking about E-sports peering, then COVID hit. Have we finished any of them? Bartig: yes, most are complete.
3. Network Weather Update- Trends and coming events
  - a. None.
4. I2 Network update
  - a. See above.
5. AOB?
  - a. Wallace: trying to better understand MANRS observatory. Have created an AS-Cone with 1400 ASes. Pasted into the observatory and 73 were rejected. Wondered why.
    - i. Bill Owens: could also be some that have been put in but are not yet connected. Can account for about a half-dozen in NY.
    - ii. Farmer: could be historic. Easy to build up cruft in an AS-SET, requires periodic checking.
    - iii. Brock: can you spend this to list? Wallace: eh, probably best not to.
  - b. Matt Z: Cloud-connect: IceCube took advantage of cloud-connect bandwidth and maxxed out a Wisconsin link with a cloud HPC experiment..
    - i. See: <https://www.linkedin.com/pulse/cloudy-100-pflops-gbps-icecube-igor-sfiligoi/>
  - c. Bartig: is anyone using BGP large communities?
    - i. Farmer: on a list for him to do. Planning to use for peering.
    - ii. Bartig: have been looking at BGP policies for NGI: night be a good way to refresh and clean up old cruft. Positive reaction from group.
    - iii. Bartig: is everyone running router code that supports it? Maybe/probably?
    - iv. Bill Owens: are running 17.x
    - v. Available since 17.3
    - vi. Farmer: plenty of 16-bit ASNs actually available. But, most are getting 4-byte ASNs from the RSRs.

vii. See: <http://largebgpcommunities.net/implementations/>

- d. Ryan Harden: would the group like to see a deep dive on various technical components of the NGL implementation. Yes. Ryan will follow up and if possible schedule for December call.
6. Adjourn at 4:27p EST