

## NTAC Peering & Routing Working Group

*Notes from 8/16/2022 call*

1. Agenda Bash
  - a. Farmer: PeeringDB
  - b. Wallace: question
2. Update on Peering & I2PX
  - a. Jeff Bartig: Now have Peering with Western Oracle in Phoenix. 2x 100G from Dallas to Phoenix and LA to Phoenix. Starlink peering added in last week; Dallas and LA added through public exchange. How did I2 get Oracle so fast? Oracle is backhauling to Phoenix.
  - b. Farmer: update on NorduNET bi-lateral transit? Bartig: nothing new. There was a staff turnover at NorduNET and new team is still pondering how to best implement.
  - c. Oracle FastConnect: have turned up connectivity in Ashburn, so should be able to turn up circuits. Phoenix circuit is still working through issues. Can be 1, 2, 5, or 10G, coordinated via Linda Roos. Princeton did a test recently. Really waiting for Phoenix links to be up before talking up too much. Think of it now as a “soft-opening” now. Available in OESS portal. Oracle OC1 or OC2 are available, but not OC3.
  - d. Rick Hicks: how much handholding are folks doing for cloud connect circuits? Discussion. Most do moderate handholding at regional level. Some campuses are delegating to cloud architecture teams.
3. Network Weather Update – Trends and coming events
  - a. School starting soon.
4. Internet2 Network update
  - a. Chris Wilkinson: reviewing another core network upgrade. Two software revs that want on the network. CEF bug continues but with minimal impact. Have gone through efforts to minimize churn but are eager to get fix in to see if it resolves CEF issue.
  - b. Matt Z: First set of 100G to AWS in Ashburn.
  - c. Brad Fleming: regarding 10G ports to AWS: is \$ involved. Yes, but make sure they are really using on 5G first.
5. Any other business
  - a. Dave Farmer: On NTAC slack, had inquired about I2 becoming a PeeringDB sponsor. Has there been any movement on this? Do we as a working group think this is a good idea? As a community, we get a lot of value out of it. Chris W: this group should agree on this and then chair should send a note to Chris W. and Jeff Bartig, George Loftus to request this. Lambert: are any other NRENs PeeringDB sponsor? No.
    - i. **After further discussion, the working group agreed that it is appropriate for Internet2 to be a PeeringDB sponsor. Dan S. will send email proposal to those noted above and the NTAC chair.**
  - b. Steve Wallace: Thinking about a future where we might move to route origin verification, noticed there are approx. 100 v4 routes that are /25 or longer. Generally ROAs are /24's at most. Curious: what is utility of these short prefixes? Farmer: many were intentional at one time, and may not still be intentional. Bill Owens: two from NYSERNet are from small schools who have /25's from their ISPs and NYSERNet has LOAs to advertise on I2. Not really any better options and these are very small institutions with very limited engineering resources. Some Lumen SIP-related /29's that will eventually become /24's. Steve's concern is that folks need to know implications of short prefixes now while choices can still be made. Farmer: want to think about I2 not announcing short prefixes – ie, institution could announce short prefixes to I2 but they would not pass on to upstreams. Wonder how many smaller prefixes have larger covering routes?

- c. Dave Diller: OC2 & Chandler – can you only pick it up in Chandler? Yes. Chris W: if we got enough uptake, could build into Chandler. Waiting for viability to come back from Zayo and Lumen.

6. Adjourn at 5:01 EDT