

Take aways..

- o These are not definitive answers
- Take notes on things to consider and discuss with (potential) peers or networks who have done this.

Making the decision

- o Transport vs. Transit
- o How are you going to get there?
 - o Can you get there?
 - Transport availability?
 - o Cost? (Does this still make sense?)
 - Leverage transport for qualification?

Peering Growth Decision..

- You've made the decision to expand
- Sounds simple but...

Goals

- What are you looking to achieve?
- Larger / different types of peers?
- Reduction of latency?
- New services unique to region(s)?
- Blended cost reduction?
- Direct access to specific networks?

Considerations

- Impacts on
 - o Traffic Engineering
 - Tools
 - Communication
 - Quality
 - Support staff (internal resources)
 - o Contracts? Legal? Transit v Peer.

Traffic Engineering

- Hot Potato becomes very important!
- o Analytics...
 - Paths for src/dst optimization
 - Single ASN vs. Regional ASN?
 - Impact of each peer modification
 - o Peers at single locations
- Impacts of being DE-peered region(s)

Global ASN vs. Regional ASN?

- ASN recognition?
- Evaluate your (potential) peer requirements
 - Consistent announcement requirements
- Traffic path selection
- Additional tools / monitoring / ops

Tools

- Automation becomes very important
- Database almost a must
- Monitoring from regional perspective
- Tracking peer communications
- Tracking changes in qualifications
- Impacts of failure scenarios

Operational Impacts

- Keeping track of peers (changes)
- M&A (AS consolidation)
- Regional peers who become multiregional (Now impact you too)
- Language / Maintenance /
 Communication NOC to NOC issues
- New Exchanges Evaluation

Summary

- Evaluate total impact carefully
- o Talk to resources who have experience
- Make sound decisions to better the Global Internet and your customers