

FrameNet Update

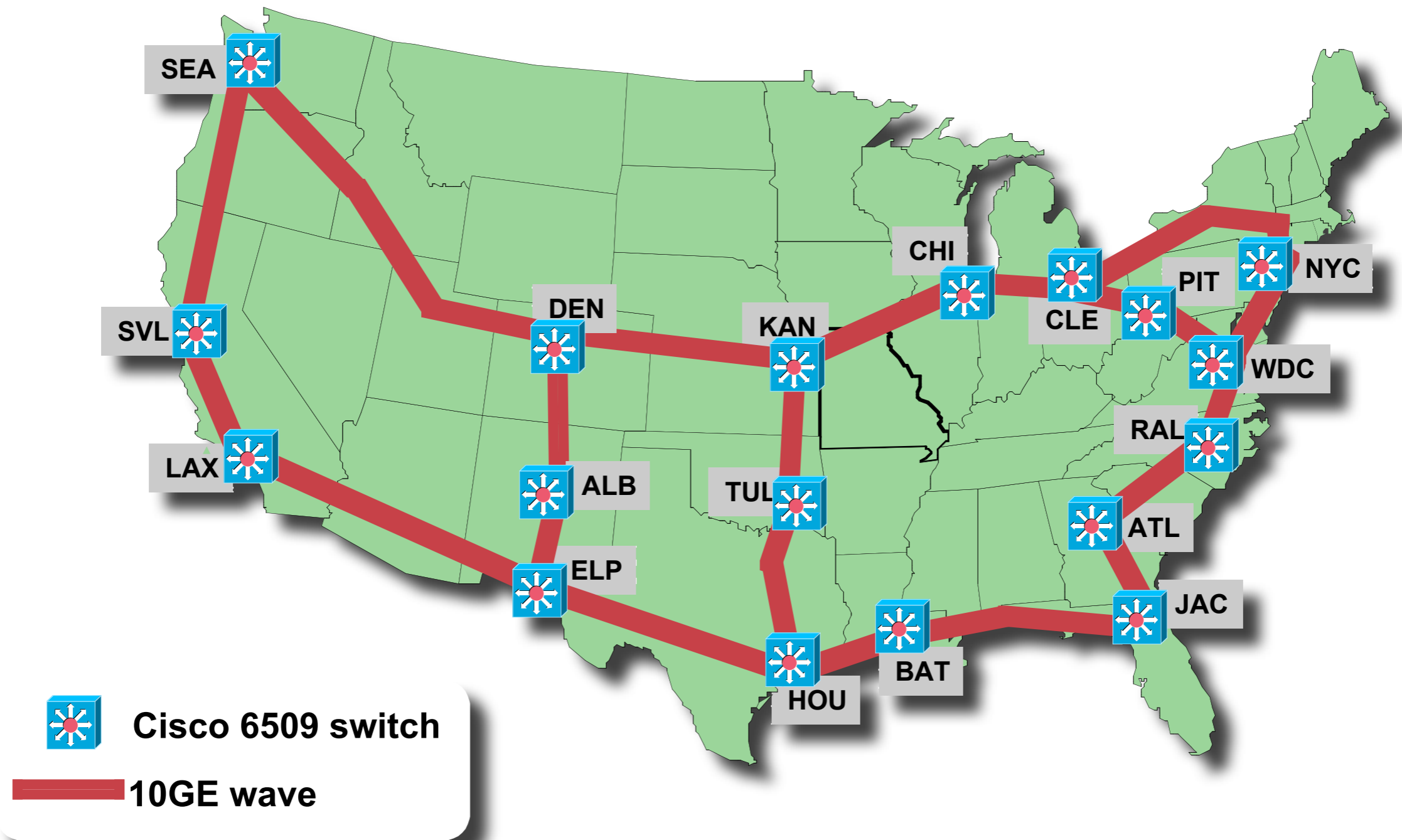
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07/17/06

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FrameNet



FrameNet Services: Dedicated

- No oversubscription of backbones for dedicated services
- QoS - Dedicated > NEF > Non-dedicated
- Dedicated FrameNet Service:
 - Point-to-point or multipoint
 - CoS protected service
 - cost based on # of L2/L1 segments and bandwidth
 - 100M increments

FrameNet Services: National Exchange Fabric

- National Exchange Fabric:
 - birthright service
 - Single national exchange/broadcast domain
 - ad-hoc direct peerings
 - Info for peering and testing available on noc.nlr.net: [NEF IP info](#)

FrameNet Services: Non-dedicated

- Non-dedicated FrameNet Service
 - Point-to-point or multipoint
 - bandwidth is free, at least until 10/06
 - nominal port charge if new port is required

Case Study: National TransitRail

- Phased, nation-wide settlement-free peering infrastructure
- Phase0 (Today):
 - CENIC, PNW, PSC, FrontRange GigaPoP
 - Uses non-dedicated mesh of point-to-point VLANs on FrameNet
 - Latency vs Resiliency
- Phase1 (near future):
 - mesh of dedicated VLANs among several points across the country
 - Maybe 4-6G?

Case Study: NREN & FLR

- NLR FrameNet Services as Backup circuits
- NREN:
 - Used FrameNet path while waiting for their L1 path to be available
- FLR:
 - Using dedicated service between Baton Rouge and Jacksonville
 - the long way (BATO-HOUS-TULS-KANS-CHIC-CLEV-PITT-WASH-RALE-ATLA-JACK)
 - Using PENS-BATO PacketNet Backhaul circuit that drops in BATO to get to BATO

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Case Study: PSC-SLR

- reciprocal Abilene Backup
- using non-dedicated bandwidth PITT-ATLA

Documentation Available

- All linked online at <http://noc.nlr.net>
- Technical Guide:
 - Technical details for services and connections
- FrameNet Spanning Tree Map: <http://stpmap.grnoc.iu.edu/>
- FrameNet-wide Weathermap: <http://weathermap.grnoc.iu.edu/>
- FrameNet per-VLAN Weathermaps: coming soon