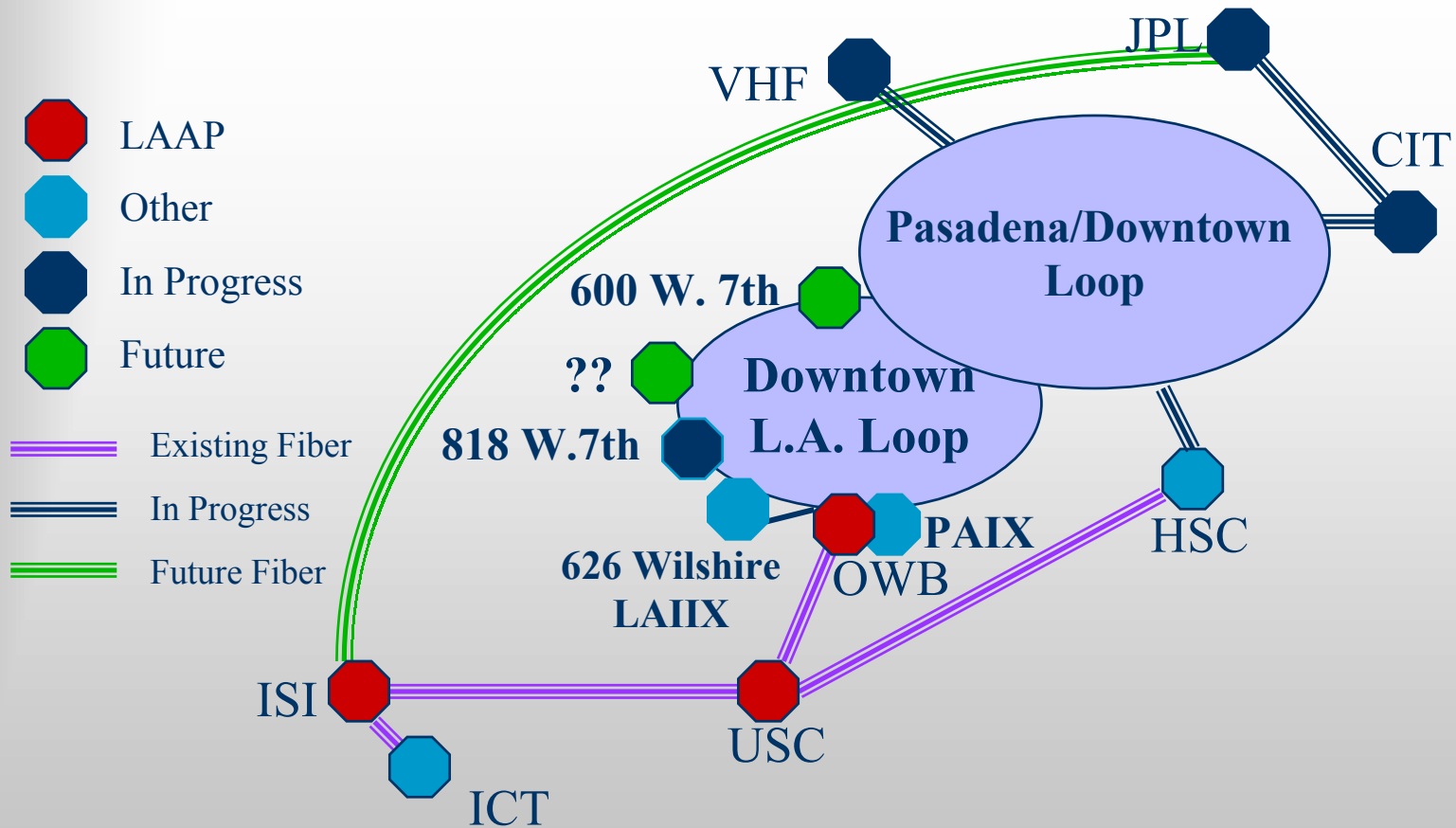


# Los Angeles Access Point

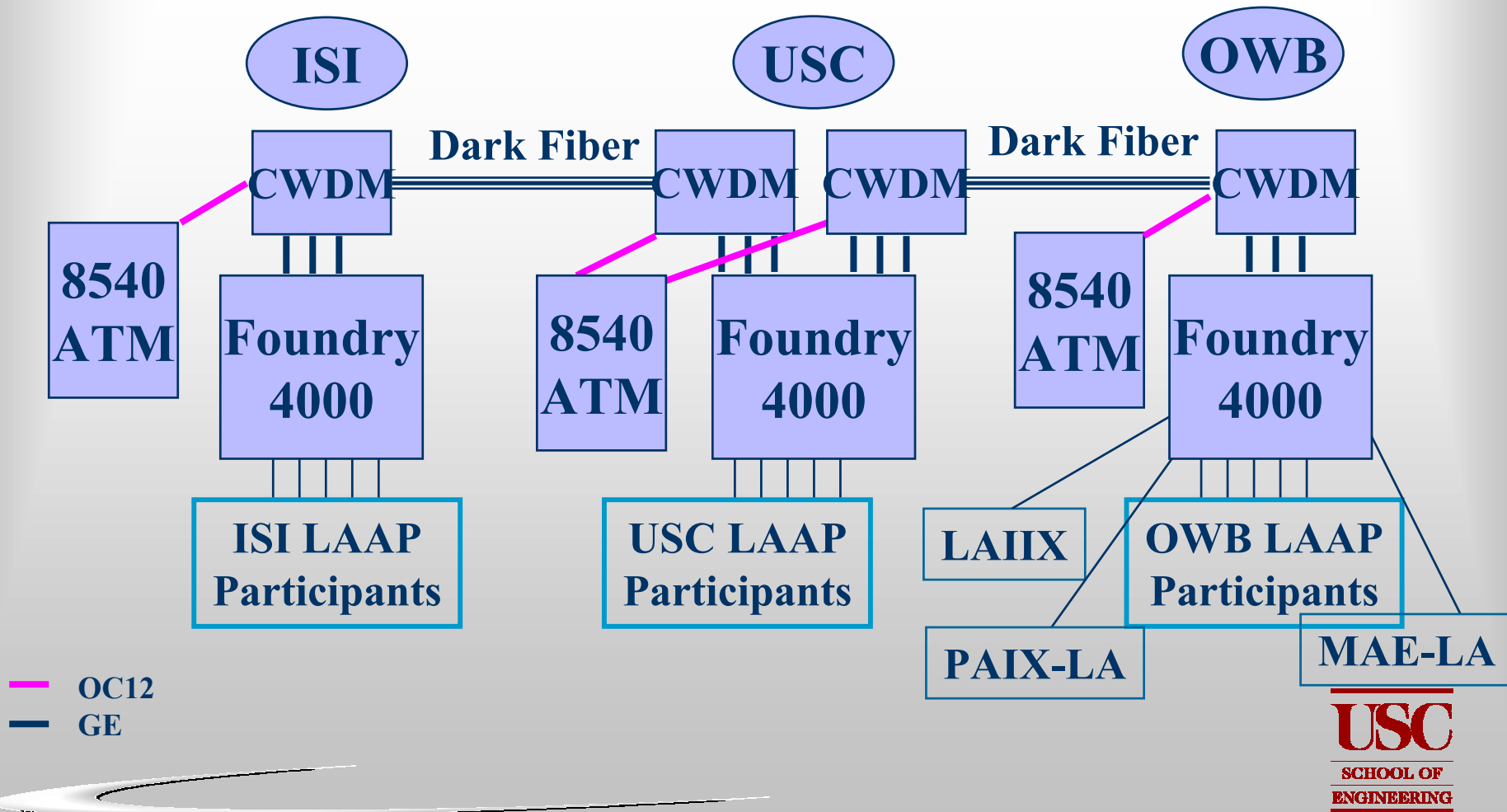
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**NANOG Internet Exchange  
Operator Panel  
February 10, 2003**

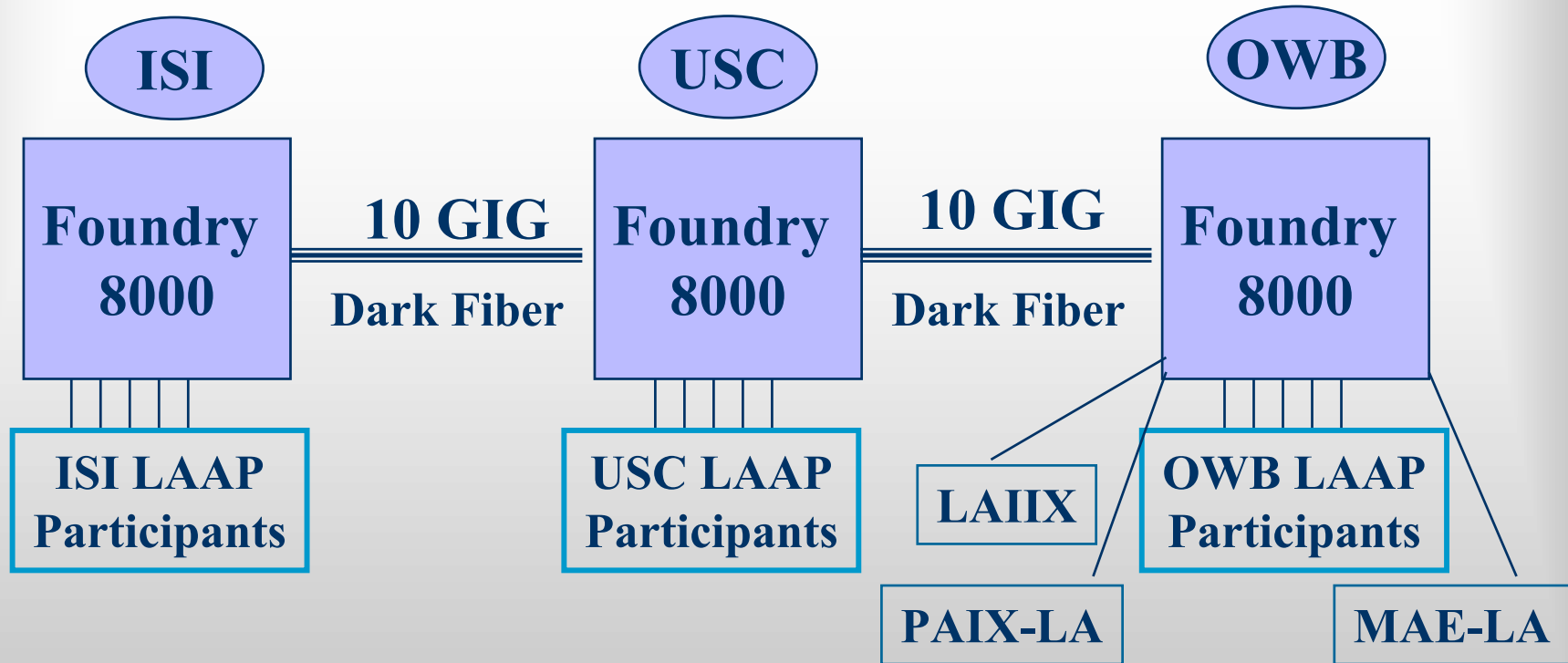
# LAAP footprint



# Old LAAP Topology



# New LAAP Topology



# Switch Interconnection Strategies

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- IEEE 802.1q VLANs separate traffic in LAAP
- One VLAN for exchange; separate VLANs for private peers and transit connections
- Per VLAN Spanning Tree (PVST); Rapid Spanning Tree Protocol (802.1w) on 10Gb BigIron 8000s
- Super Aggregated VLANs (SAVs) transport multiple VLANs across single LAAP VLAN

# Switch Interconnection Strategies (con't.)

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- Separate VLAN for Jumbo frames
- No restrictions on multicast or IPv6
- Interconnects with other exchanges:
  - shut down Spanning Tree; do MAC filtering with static MAC forwarding,
  - operate as part of exchange Spanning Tree Cloud
  - provide separate VLAN
- We are open to any other strategies

# More info

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- For more info contact [laap-info@isi.edu](mailto:laap-info@isi.edu)
- See the website [www.laap.net](http://www.laap.net)
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