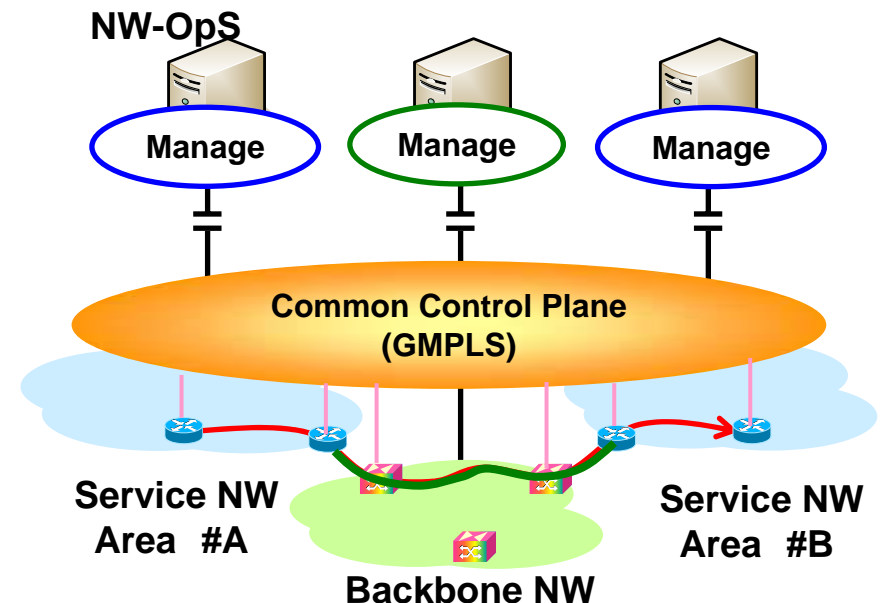
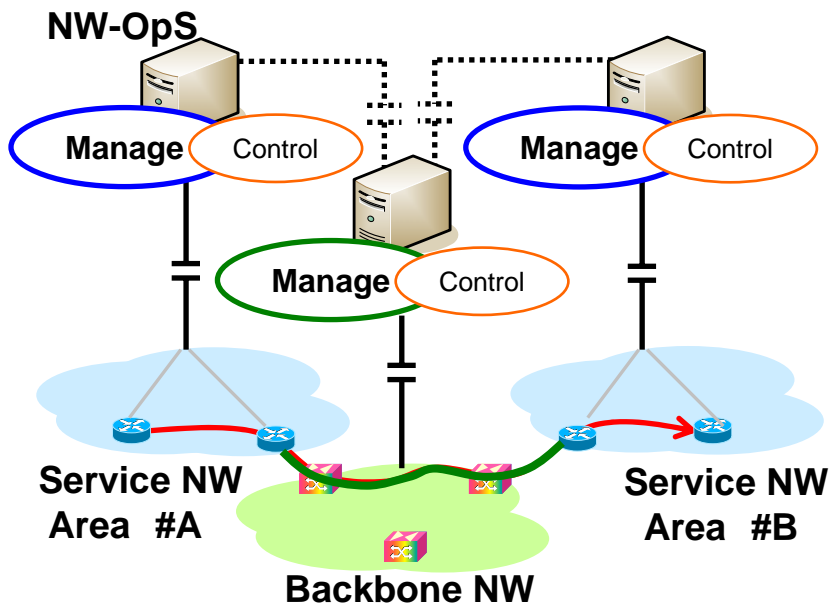


- MPLS/GMPLS demonstration of
 - Fast Multiple Service Provisioning over Multiple NWs
 - Interoperability among ROADMs Rings and OXC Mesh NWs
 - Interoperability between MPLS and GMPLS NWs
 - New network services such as L1-VPN service,
 - Measurement tools to support deployment of MPLS/GMPLS technologies.

Private IF or Human Interworking

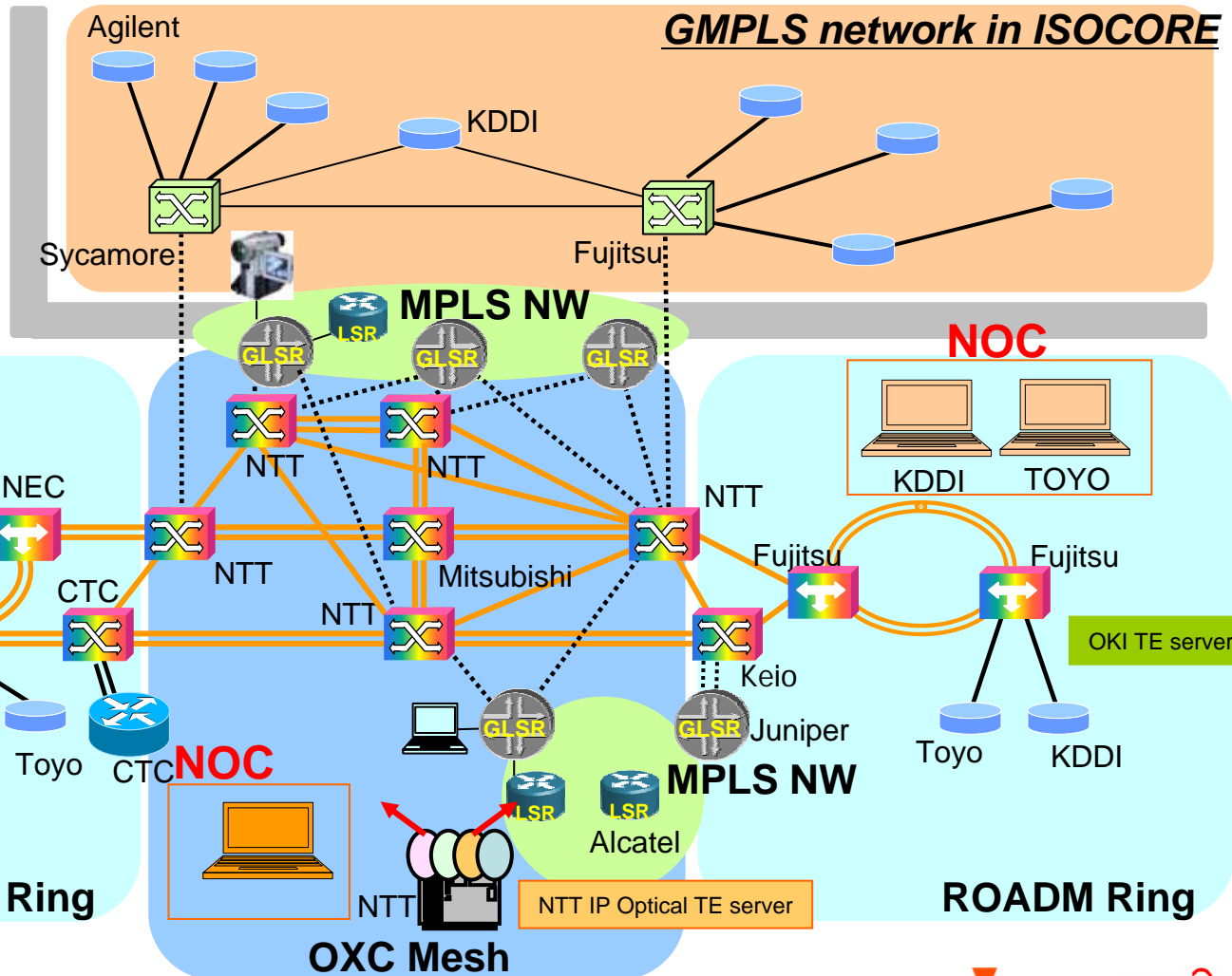
Deployment of GMPLS

Standard (GMPLS) IF

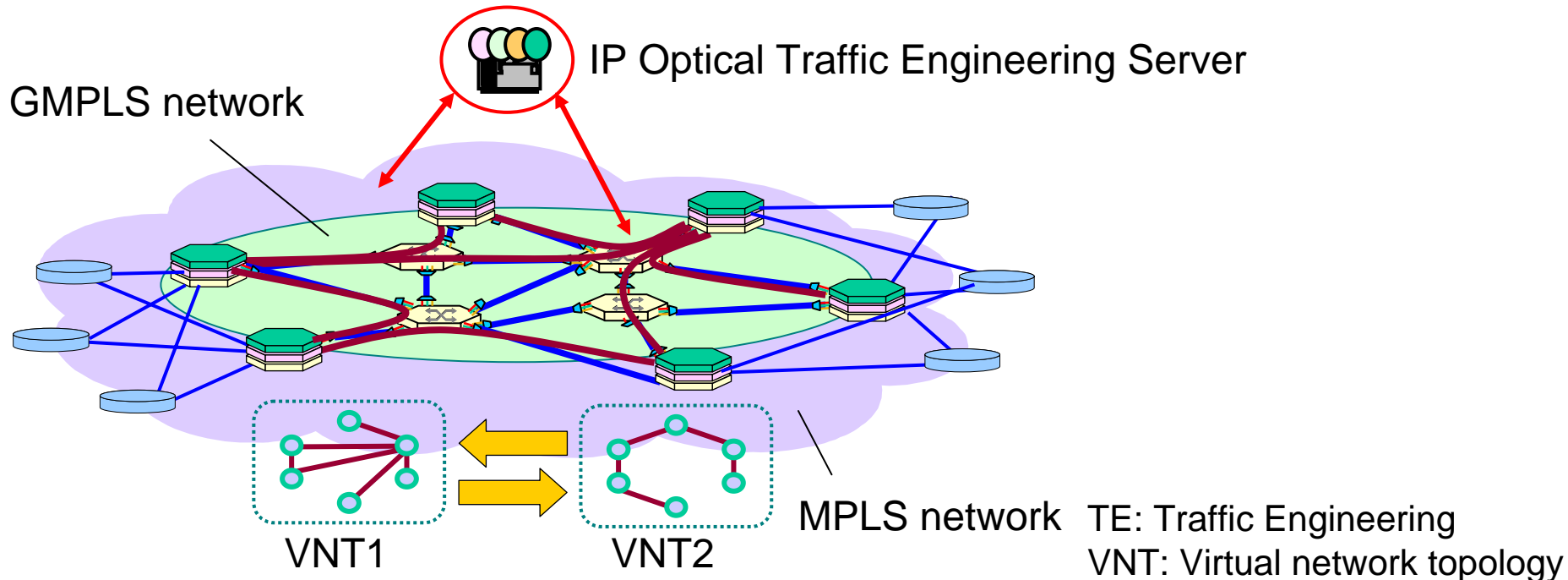




- 2.4G SONET/SDH & GbE Dual Rate
- 2.4G SONET/SDH
- - - GbE (or Ether) Link



- Both IP and optical TE topologies are visible.
- Multi-layer traffic engineering provides
 - Fast service
 - High-speed multi-layer path provisioning
 - Cost-effective and reliable service
 - Dynamic VNT reconfiguration according changes of traffic demands and network conditions.

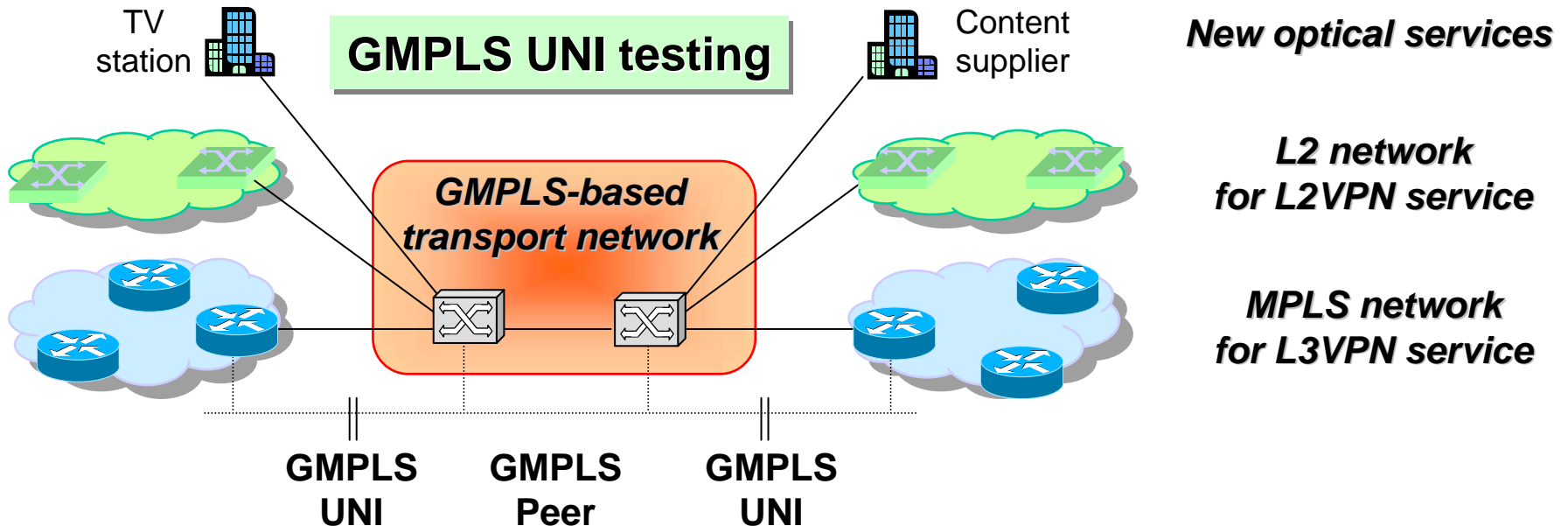


GMPLS facilitates Layer 1 VPN that enables:

- Support of multiple service networks over GMPLS-based transport network (carrier's carrier, multi-service backbone)
- New optical services (switching service, scheduling service)

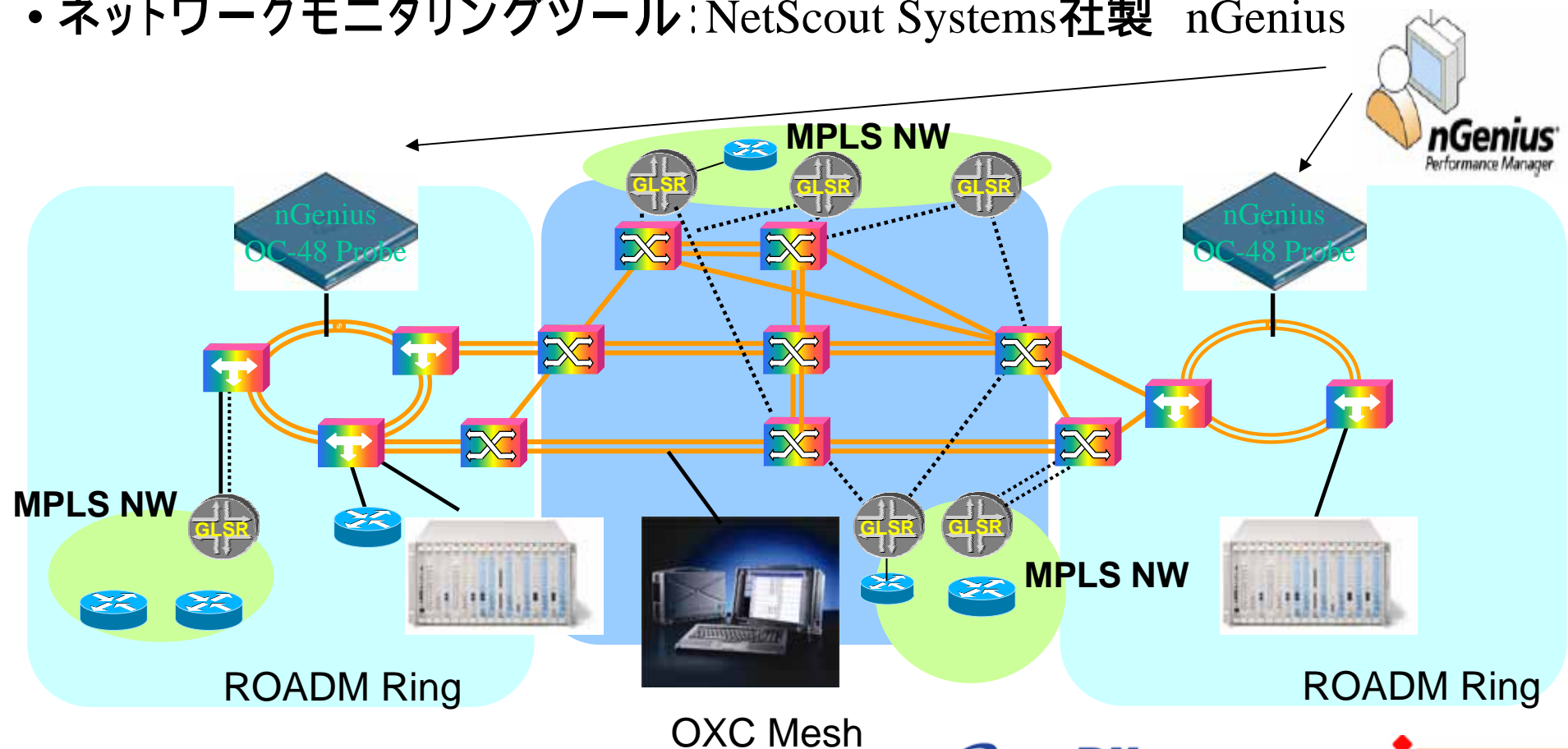
Interoperability testing

- GMPLS-UNI: Key feature for Layer 1 VPN basic mode



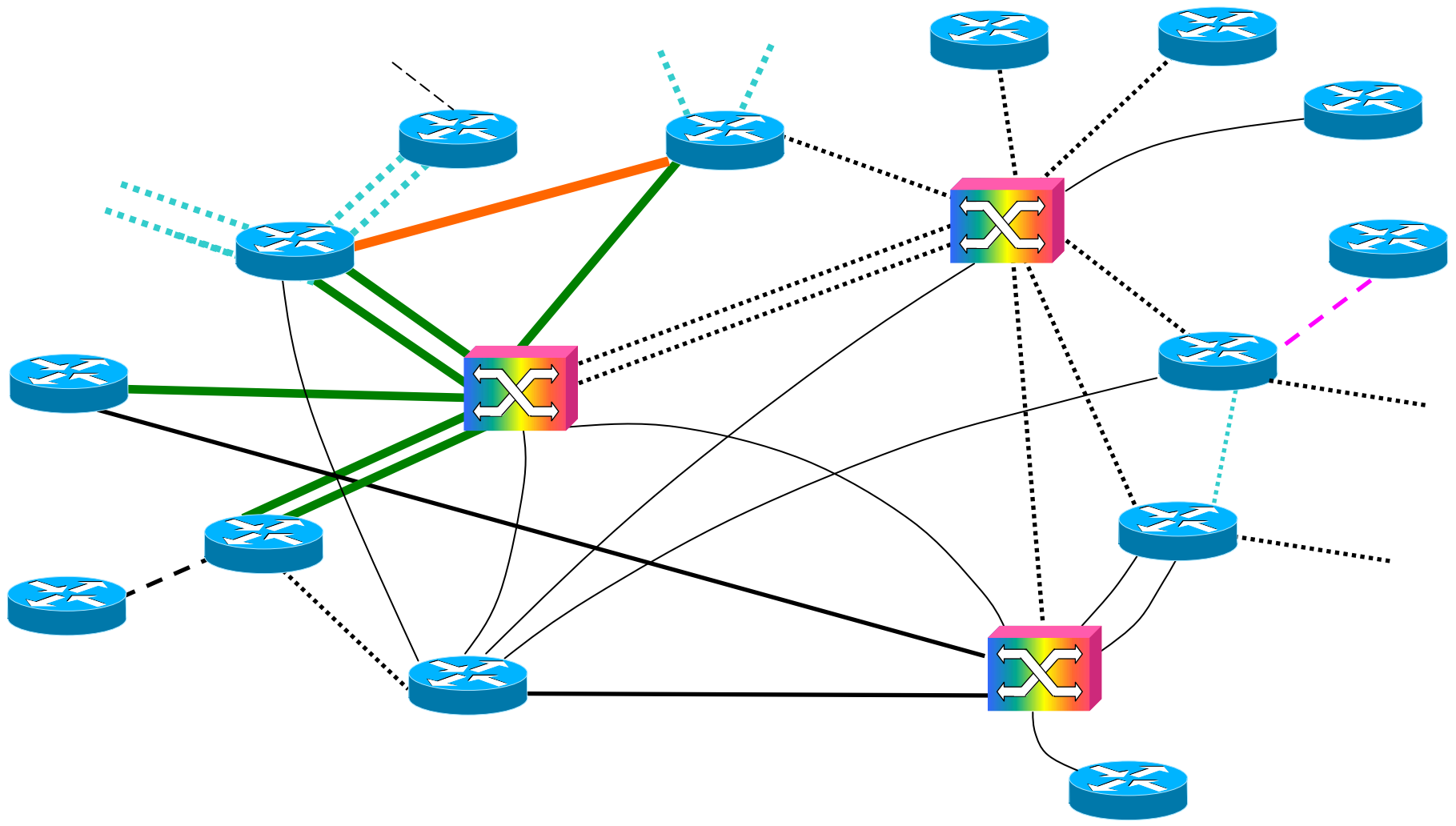
GMPLS measurement solution

- GMPLS ルータエミュレーション: SPIRENT Communications社製 AX/4000
- Gigabit Ethernet アナライザ: ClearSight Networks社製 ClearSight アナライザ
- ネットワークモニタリングツール: NetScout Systems社製 nGenius



Isocore Spring 2006

Leading Edge Code Testing Test Bed



Ethernet Services over MPLS/GMPLS LSPs

Multi-site Isocore-iPOP Showcase

