

**Cyberinfrastructure for Research Data
Management Workshop
May 23, 2023
Jim Stankiewicz
Principal Network Architect**

NJEdge Network (REN)

Edge Designs, Installs and Operates currently five Networks

PACKET NETWORKS

AS-21976 (Commodity Internet Network)

AS-62532 (Internet 2 Access Network)

DWDM Optical Transport Network

Optical DWDM Line Transport

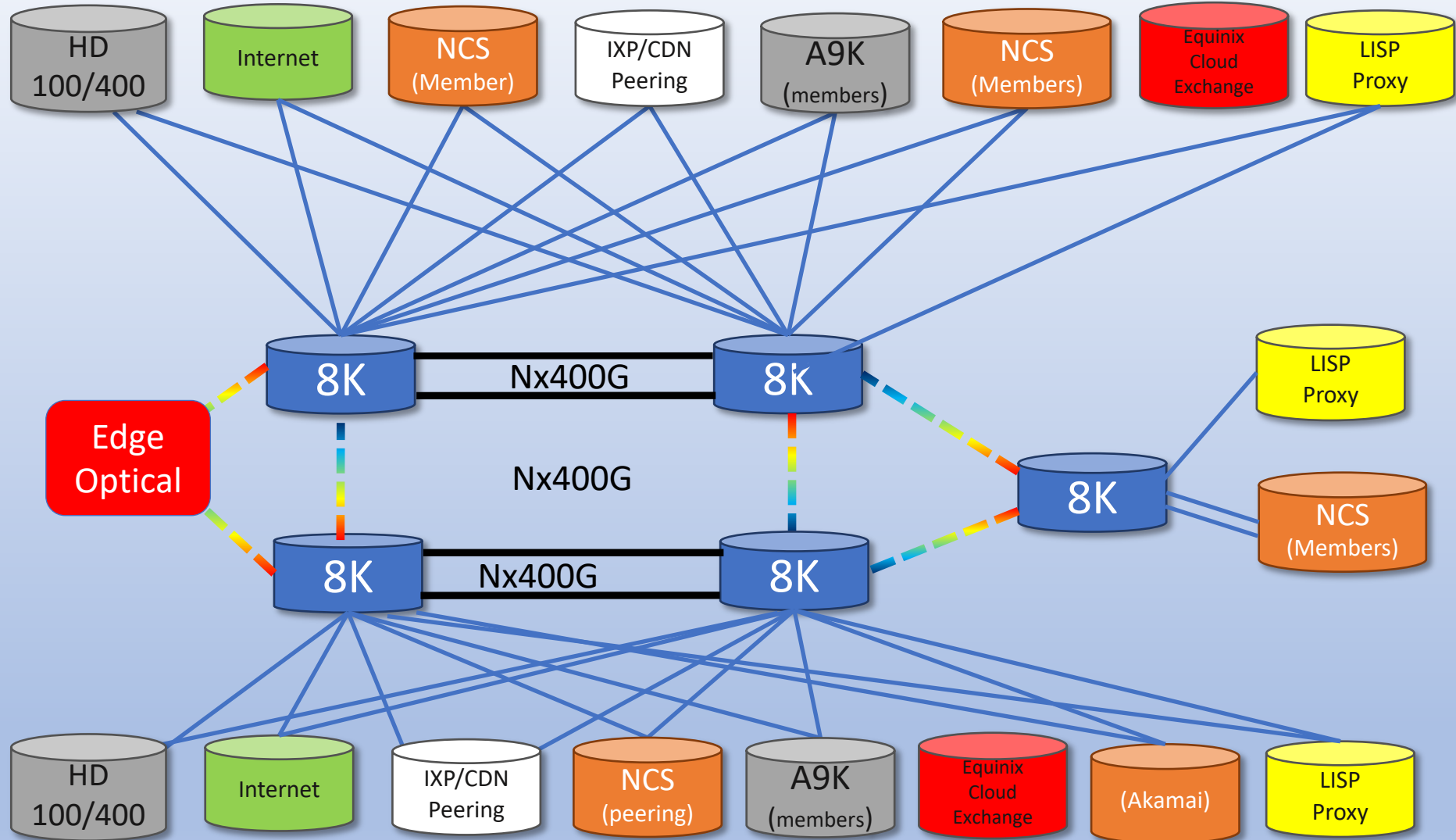
DWDM Transponder/MuxPonder

Transponders from Line Transport (Multiple Vendors)

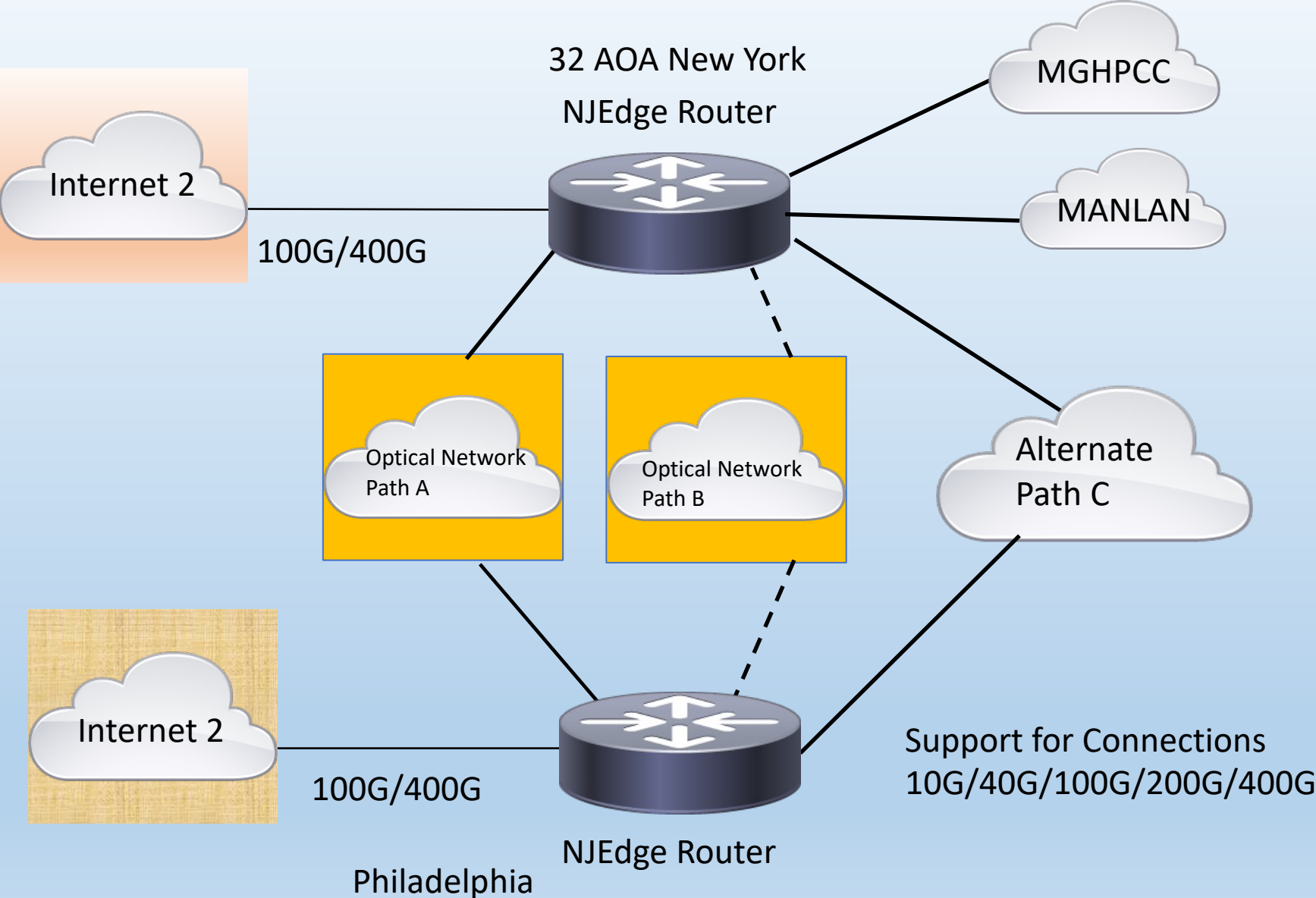
NJIT HPC DWDM Optical Transport Network (Managed DWDM Optical Transport)

Managed via dedicated management segment

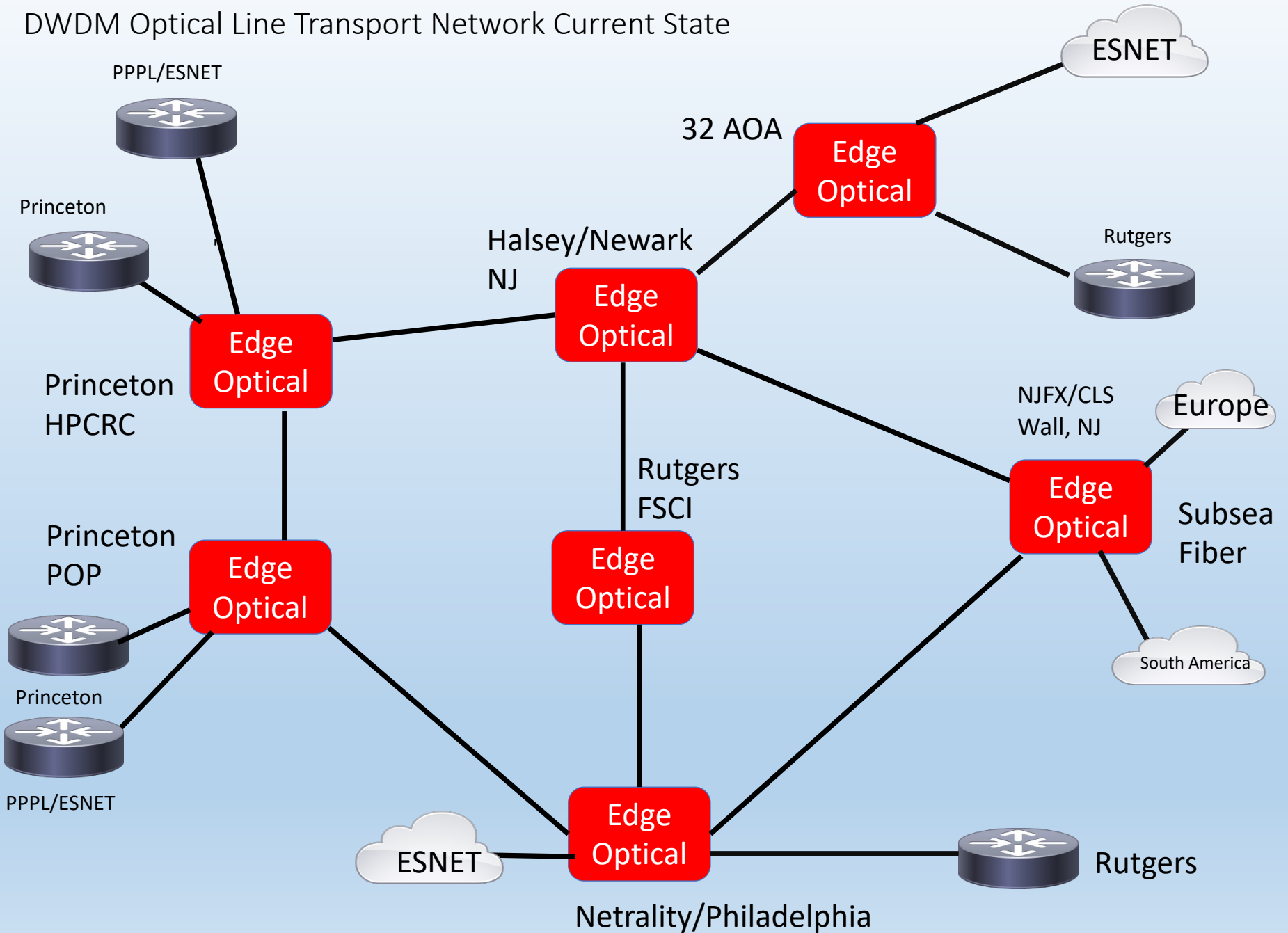
AS-21976 Scalable Fabric Commodity Internet



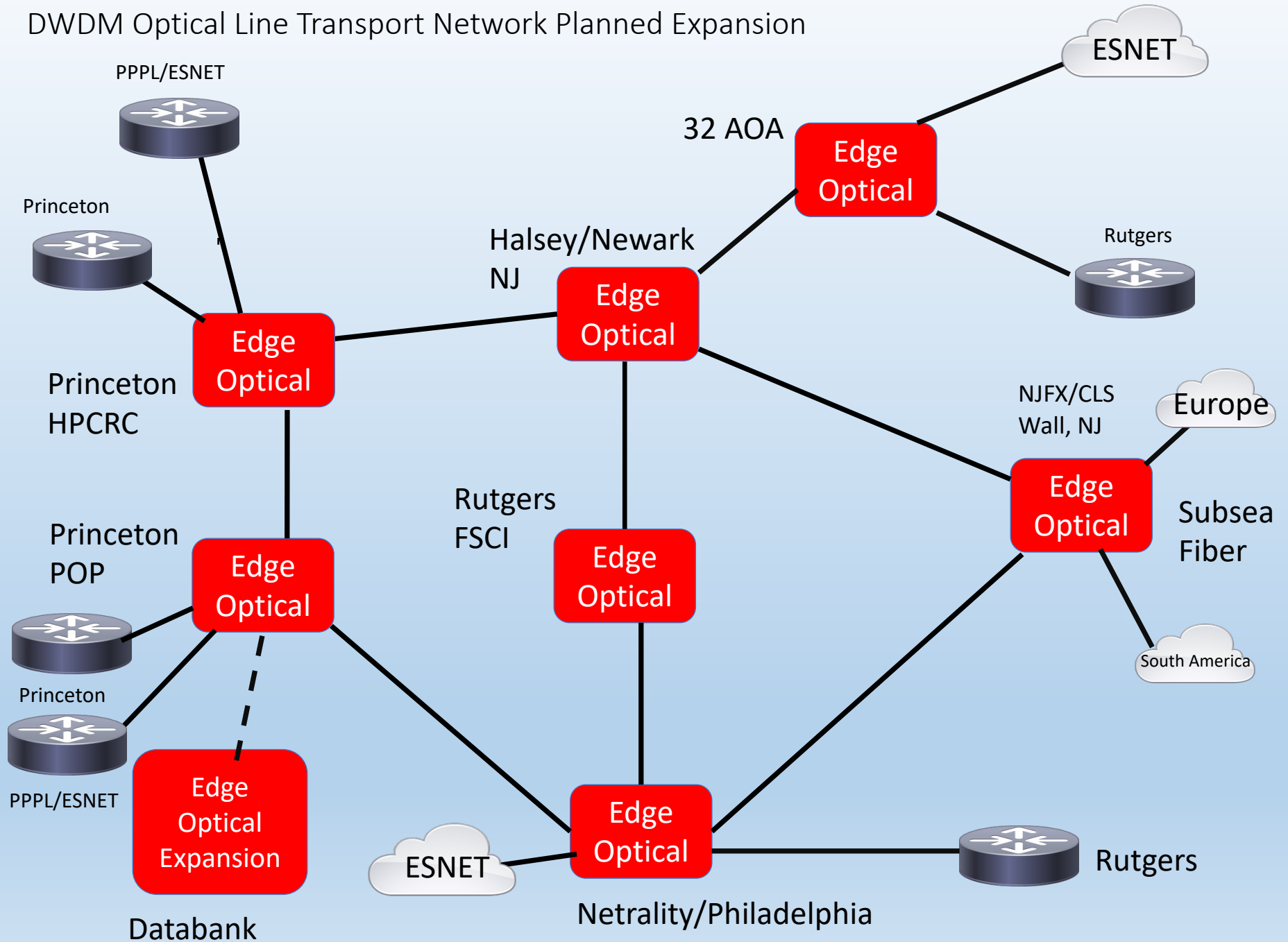
Edge Internet2 Access Network



DWDM Optical Line Transport Network Current State



DWDM Optical Line Transport Network Planned Expansion



NJIT Managed Optical Service Databank

