

Applicability of Abstraction and Control of Traffic Engineered Networks (ACTN) to Packet Optical Integration (POI)

draft-ietf-teas-actn-poi-applicability-03

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I-D Use Cases

1. Inventory, Service and Topology Discovery

- Inter-domain link discovery
- Multi-layer IP Link discovery
- Inventory discovery
- SR-TE paths discovery

2. Establishment of L2VPN/L3VPN with TE requirements

- Optical Path Computation
- Multi-layer IP Link Setup and Update
- SR-TE Path Setup and Update

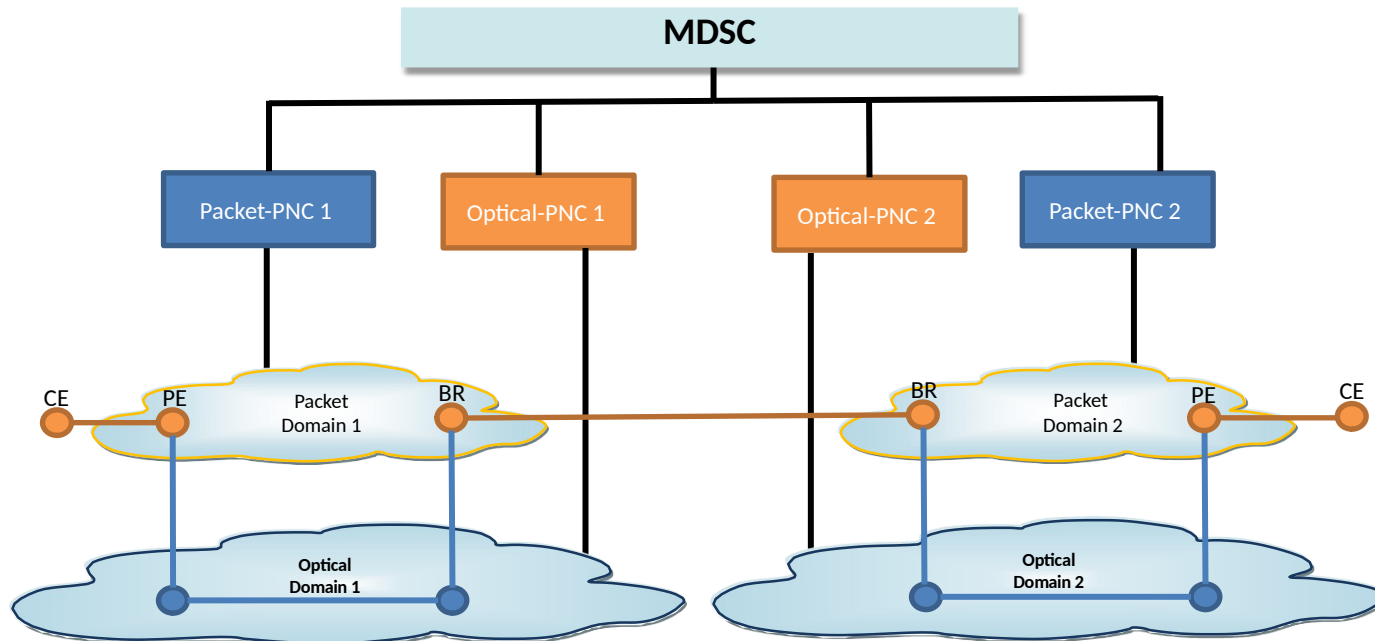


Figure 1 - Reference Scenario

Next steps for the Document

- Issue tracking and current version available on Git
 - Currently we are tracking 23 open issues - <https://github.com/FabioPeruzzini/actn-poi/issues>
- Just a few active sections now, hot topics/issues include
 - Issue #45, #56 Local protection with TI-LFA
 - Issue #46 Summarization with recursive architecture
 - Issue #39, #41, #42 Security (including LLDP Snooping) and Operational Considerations
 - Issue #38 End-to-end SR-TE multi-layer/multi-domain path computation performed by MDSC
 - Issue #37 Defining scope of optical impairments as path computation performed by the O-PNCs
 - Issue #23 Align with latest version of draft-ietf-teas-te-service-mapping-yang
 - Issue #32 Consider issues associated with inter-provider optical connectivity
- The plan is to complete the open actions/issues shortly after IETF 111, then
 - Ask WG participant to review the latest version of the I-D
 - Prepare for WG Last Call before IETF 112