

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

draft-ietf-teas-actn-poi-applicability-11

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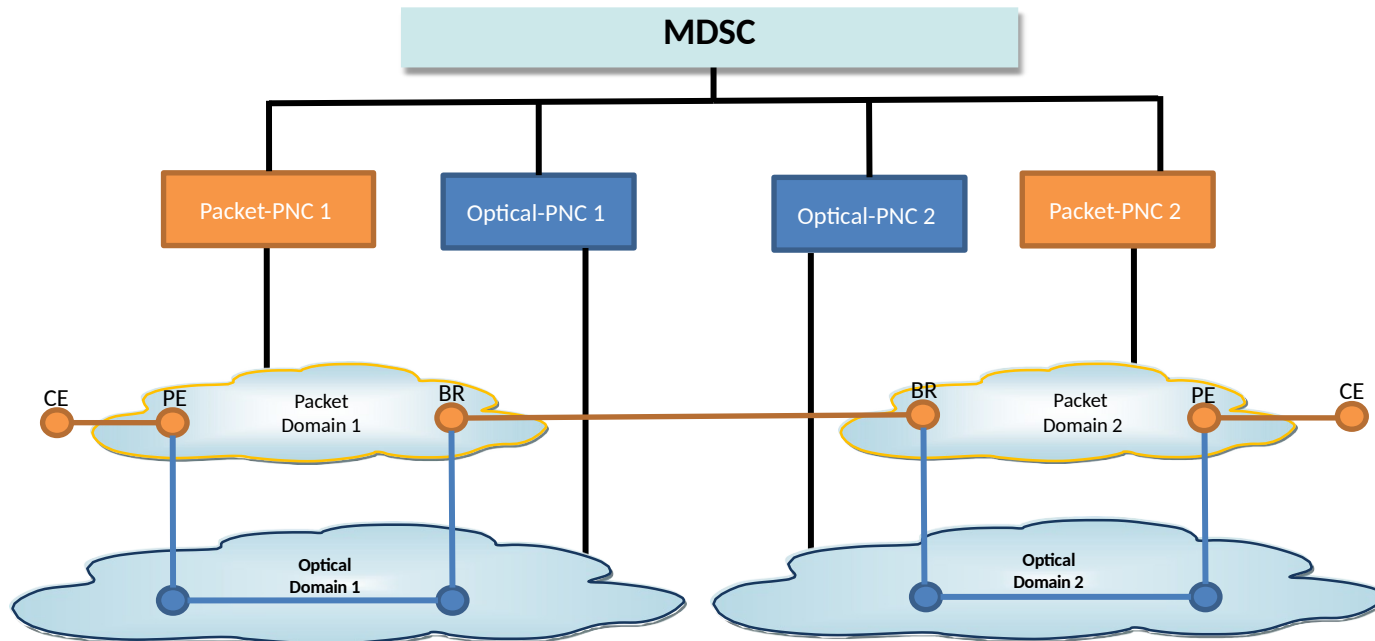
I-D Use Cases (Recap)

1. Inventory, Service and Topology Discovery

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

2. Establishment of L2VPN/L3VPN with TE requirements

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



Status

- Updates since IETF 116 (version 08)
 - Clarified applicability of L3-TE Topology Model
 - Added support of mixed fixed-grid and flexible-grid WDM networks
 - Clarified configuration requirements for LAG (gap identified)
 - Added description of Muxponders in WDM network
 - Gap identified and already addressed by CCAMP WG
 - Generalized description for Ethernet and CBR connectivity services to support IP links over Optical Networks
 - Added text to describe L2/L3 VPN traffic steering configuration
 - Added text to describe multi-layer SRLG configuration
 - Editorial updates
- Issue tracking and current version available on Git
 - <https://github.com/FabioPeruzzini/actn-poi/issues>

Next Steps for this draft

- Planned updates to the document
 - Editorial and terminology clean-up
 - Add Operational Considerations
 - Improve Security section
- Resuming bi-weekly ACTN POI calls after IETF 119
 - Starting from April 9
- Be ready for WG Last Call before IETF 120