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