A YANG model to manage the optical interface parameters for an external transponder in a WDM network

draft-ietf-ccamp-dwdm-if-param-yang-11

Co-authors (frontpage):

Dirk Breuer  d.breuer@telekom.de
Gabriele Galimberti  ggalimbe@cisco.com
Dharini Hiremagalur  dharinih@juniper.net
Gert Grammel  ggrammel@juniper.net
Roberto Manzotti  manzoro@gmail.com
Motivation & Problem statement

Problem:

• Supporting several combinations of DWDM interface parameters with interdependency between each other
• Yang models definition according to existing draft like: draft-ietf-ccamp-wson-iv-info, draft-ietf-ccamp-wson-iv-encode and RFC6566
• This model augment the IETF interface model:

Motivation:

• Provide a consistent way to plan and operate wavelength Interfaces with netconf/yang
• Complement the draft-ietf-ccamp-optical-impairment-topology-yang models
• Reference draft-ietf-ccamp-rfc9093-bis-10
Document changes

• Reviewed some parameters definition
  • removed redundant FEC threshold (already present in TCA list)
  • reformatted TCA type w/o min-max that is manged in the threshold definition
  • added threshold-hysteresis in TCA definition

• Modified some parameter according to
  • draft-ietf-ccamp-optical-impairment-topology-yang
  • draft-ietf-ccamp-rfc9093-bis-10

• Fixed some Yang model errors
Next Steps

• Yang Doctors review

• Keep alignment with draft-ietf-ccamp-optical-impairment-topology-yang
  • Align on the terminology
  • Keep alignment on the contents: the two drafts are complementary

• Follow / harmonize with the draft-ietf-ccamp-rfc9093-bis

• Work for the last call
Thank You!