

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:
 - URI: urn:ietf:params:xml:ns:yang:ietf-interfaces:ietf-ext-xponder-wdm-if

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 managed 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!