

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

draft-ietf-ccamp-dwdm-if-param-yang-01

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Motivation & Problem statement



Problem:

- Supporting several combinations of DWDM interface parameters with interdependency between each other
- Current YANG models do not support the planning aspect allowing to select the best parameter combination
- 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

Document history

- Working group document in March 2019 (-00) - No presentation IETF-104
- Updated in July 2019 (-01)
- Changed from the previous version:
 - Rename some parameters
 - Added new parameters:
 - +-- ro baud-rate
 - +-- ro total-input-power
 - Fixed typos

Next Steps

- Refine the ITU-T definitions and models
- Keep alignment with [draft-ietf-ccamp-optical-impairment-topology-yang](#)
 - Align on the terminology
 - Keep alignment on the contents: the two drafts are complementary
- Work for the last call

Thank You!