

# **A YANG model to manage the optical interface parameters of "G.698.2 single channel" in DWDM applications**

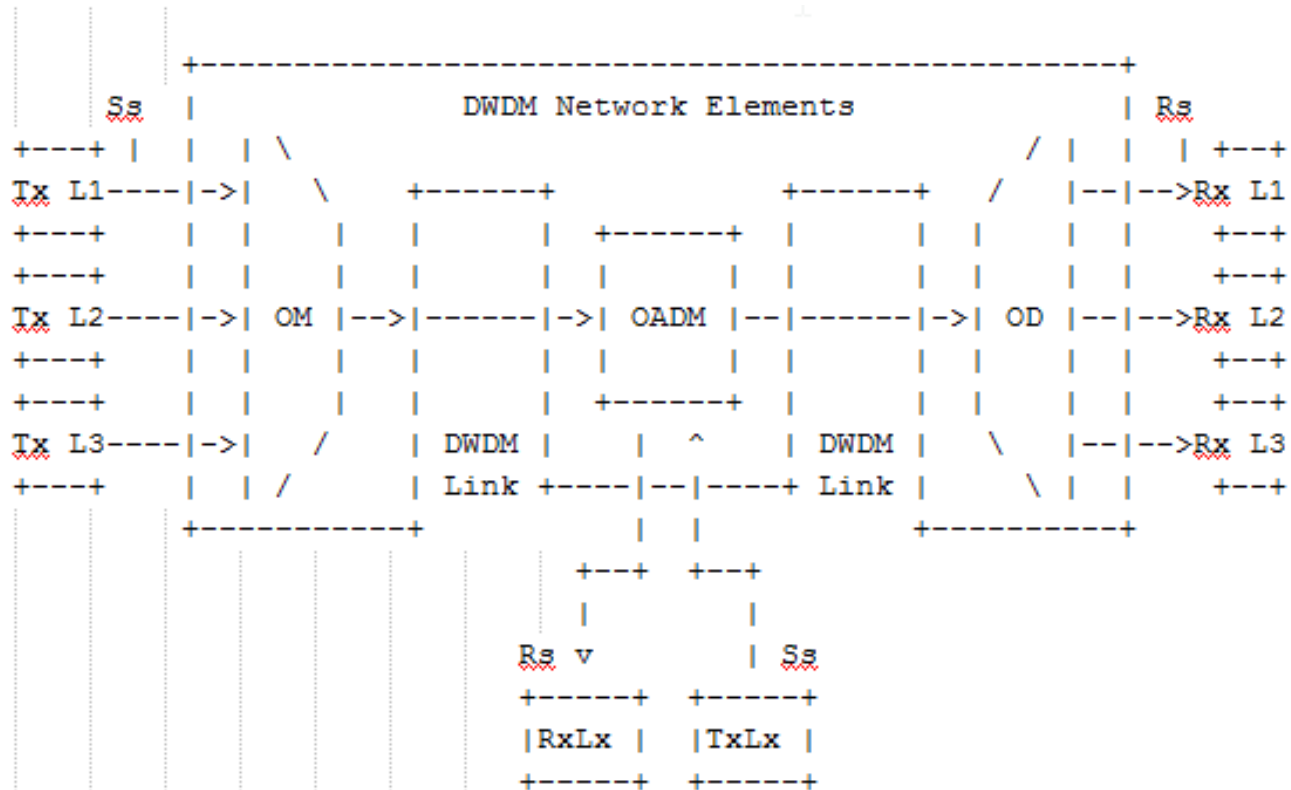
**draft-dharini-netmod-g-698-2-yang-04**

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# Document History

- IETF 90: First Draft presented to netmod WG
- IETF 91: Align yang model with SNMP draft
- IETF 92: incorporate Yang doctor's suggestions

# G.698.2 aka Black Link



Ss = reference point at the DWDM network element tributary output  
Rs = reference point at the DWDM network element tributary input  
Lx = Lambda x  
 OM = Optical Mux  
 OD = Optical Demux  
 OADM = Optical Add Drop Mux

# Motivation & Problem statement

## Problem:

- ITU-T G.698.2 (aka. Black Link) is the first standard defining Multi-vendor interoperability for wavelengths at optical level.
- No standard information model available to control G.698.2 interfaces (Wavelength)

## Motivation:

- Provide a standard way to operate G.698.2 Interfaces from different vendors with netconf/yang

# Status

- Yang Module “ietf-opt-if-g698-2” is defined as an extension to ietf interfaces.
- Changes since IETF92
  - ITU-T SG15 agreed on the use case: added use case aligned with [draft-dharinigert-ccamp-g-698-2-Imp-10](#)
  - Authors collaborate extending the OTN Information Model of G.874.1 to include power measurement and control.
  - Modified wavelength central frequency definition
  - Fixed minor syntax issues

# Next Steps

- Keep alignment with related effort in CCAMP
- Focus on operations aspects
- No open issues