YANG Data Models for requesting Path Computation in Optical Networks

CCAMP WG, IETF113, Vienna+Virtual
draft-gbb-ccamp-optical-path-computation-yang-01

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Status

• Initial draft -00 presented in IETF 112

• Quite a straightforward work
  – Re-using common definitions in L0-Types (RFC9093-bis) and L1-Types
  – Alignment with OTN/WSON/Flexi-grid tunnel models

• Weekly calls together with flexi-grid topology and tunnel models
Changes from -00 version

• Added IANA considerations
• Added Acknowledgment to authors of WSON and flexi-grid tunnel models
• No changes to OTN path computation
  – OTN Tunnel model quite stable
• Changes to WSON and flexi-grid path computation
  – Use l0-path-constraints and l0-path-properties defined in RFC9093-bis
Open Issue: How many modules/documents?

- wson-path-computation
  - WDM-specific constraints
  - WSON-specific labels
  - WSON-specific labels
- flexi-grid-path-computation
  - WDM-specific constraints
  - Flexi-grid-specific labels
  - Flexi-grid-specific labels
- otn-path-computation
  - OTN-specific bandwidth
  - OTN-specific labels
- wson-topology
- flexi-grid-topology
Next Steps

- Address any feedbacks/comments from CCAMP WG
  - Add Security and Manageability Considerations
  - Keep alignment with OTN/WSON/Flexi-grid tunnel models
- Finalize the module and document structure
  - How many modules?
  - How many documents?
- Request WG adoption