

A Yang Data Model for WSON Optical Networks

draft-ietf-ccamp-wson-yang-03.txt

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Updates from the previous version

- Corrected the augmentation pointers for various parts:

augment /nd:networks/nd:network/nd:network-types/tet:te-topology:

+--rw **wson-topology!**

augment /nd:networks/nd:network/nd:node/tet:te/tet:config/tet:te-node-attributes/tet:connectivity-matrix:

+--rw **wson-matrix**

augment /nd:networks/nd:network/lnk:link/tet:te/tet:config:

+--rw **wavelength-available-bitmap*** boolean

augment /nd:networks/nd:network/nd:node/tet:te/tet:config:

+--rw **resource-pool*** [resource-pool-id]

where “nd” is ietf-network and “tet” is ietf-te-topology

YANG Tree

```
module: ietf-wson-topology
augment /nd:networks/nd:network/nd:network-types/tet:te-topology:
  +--rw wson-topology!
augment /nd:networks/nd:network/nd:node/tet:te/tet:config/tet:te-node-
attributes/tet:connectivity-matrix:
  +--rw wson-matrix
    +--rw device-type?          devicetype
    +--rw dir?                  directionality
    +--rw matrix-interface* [in-port-id]
      +--rw in-port-id          wson-interface-ref
      +--rw out-port-id?       wson-interface-ref
augment /nd:networks/nd:network/lnk:link/tet:te/tet:config:
  +--rw wavelength-available-bitmap*  boolean
augment /nd:networks/nd:network/nd:node/tet:te/tet:config:
  +--rw resource-pool* [resource-pool-id]
    +--rw resource-pool-id      uint32
    +--rw pool-state?          boolean
    +--rw matrix-interface* [in-port-id]
      +--rw in-port-id          wson-interface-ref
      +--rw out-port-id?       wson-interface-ref
```

Next Steps

- Wavelength Label needs to be defined for bitmap mapping to Label
 - Based on RFC 6205
- Port Label Restriction Container needs to be added
 - For Connectivity Matrix.
- Any missing WSON related parameters will be added.