A YANG Data Model for Layer 0 Types

draft-ietf-ccamp-layer0-types-02

A YANG Data Model for WSON

draft-ietf-ccamp-wson-yang-23

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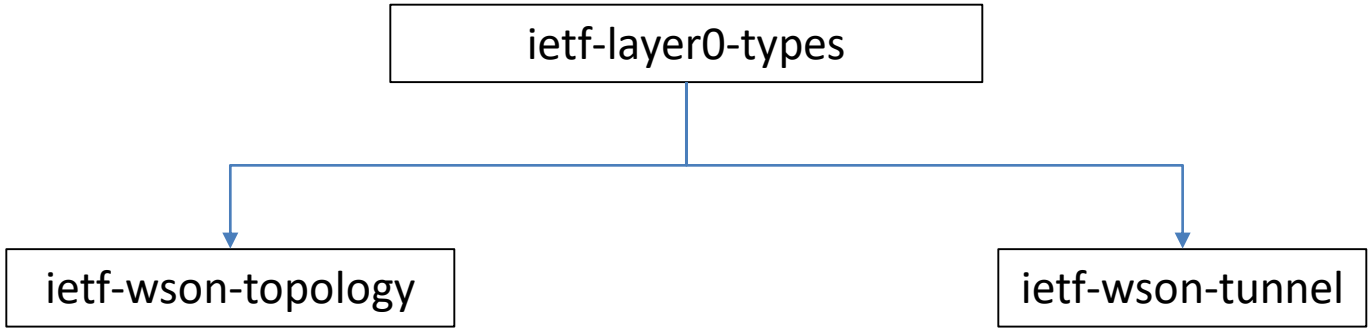
Main Content in ietf-layer0-types

Model Relationship:



Types in Layer0: DWDM/CWDM/Flexi-grid

Base Type	Detailed Type
Node Types	WSON FOADM/ROADM, Flexi-grid node;
WA Types	First fit/Random/Least-loaded;
Termination Types	OUT/ODU/OPU/Section Layer
Bandwidth Types	OTU1/OTU1e/OTU1f/OTU2/OTU2e/OTU2f/OTU3/OTU3e1/OTU3e2/OTU4/OTUCn
Channel Spacing Types	100G/50G/25G/12.5G/6.25G;
FEC Types	G-FEC/E-FEC/no-FEC;

Changes Since -01

- Update according to YANG Doctor Review Comments:
  - Term Change: ‘Flex-grid’ -> ‘Flexi-grid’;
  - New typedef for ‘dwdm-n’, ‘cwdm-n’ and ‘flexi-n’;

```
typedef dwdm-n
{
  type int16;
  description
    "The given value 'N' is used to determine the nominal
        central frequency.

        The nominal central frequency, 'f' is defined by,
              f = 193.125 THz + N x 0.00625 THz,
        where 193.125 THz is the ITU-T 'anchor frequency' for
        transmission over the C band. ";
}
```

  - Fraction consideration: 1 digit for GHz and 4 digit for THz?
    - E.g., in 12.5GHz channel spacing, the next one after 193.1THz should be 193.1125THz, and 193112.5GHz;

Next Step

- Alignment on grouping names with layer1-types:
  - wson-label-restriction -> wson-label-range-info;
  - wson-link-label -> wson-label-start-end;
  - wson-path-label -> wson-label-hop;
- Further proceed WG LC after YANG doctor Review;

For draft-ietf-ccamp-wson-yang

- Changes already made:
  - Update to latest layer0-types;
  - Checking out RFC8407;
- Next Step:
  - Further proceed WG LC after YANG doctor Review;