

A YANG Data Model for Layer 1 Network Topology

I2RS WG, Interim meeting

draft-zhang-i2rs-l1-topo-yang-model-00.txt

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Problem Statement & Scope

Data Model

- ✓ Part of the topology design team @I2RS
- ✓ L1

L1 topo YANG Tree overview

```
module: layer-one-topology
  +--rw layer-one-topology
    +--rw topology* [topology-id]
      +--rw topology-id      topology-id
      +--rw name?            string
      +--rw supporting-topology* [topo-ref]
        | +--rw topo-ref  leafref
      +--rw node* [node-id]
        | +--rw node-id      node-id
        | +--rw interface* [interface-id]
        | | +--rw interface-id      interface-id
        | | +--rw adaptation-capability!
        | .....
        eafref
```

```
+--rw link* [link-id]
+--rw link-id      link-id
+--rw local
  | +--rw local-node?      leafref
  | +--rw local-interface? leafref
+--rw remote
  | +--rw remote-node?      leafref
  | +--rw remote-interface?
+--rw supporting-path*
      [supporting-path-index]
  | ....
+--rw te-attributes
      +.....
```

Discussions

” L1?

- . SDH/SONET, OTN?
- . SDH/SONET, OTN, (D)WDM?
-

” Comments to the current draft?

” Anyone interested in working with us on this draft?

” Next step plan

- . Iterate once before IETF92.
 - ” Fix some code issues;
 - ” Add notifications;
- . Get aligned with other drafts (after IETF92)
 - ” My initial thought =>augment: draft-clemm-i2rs-yang-network-topo
 - ” Comments?