YANG Models for OTN Client Signals

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draft-zheng-ccamp-otn-client-signal-yang-02
draft-zheng-ccamp-client-topo-yang-02
draft-zheng-ccamp-client-tunnel-yang-02

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Q: what is the relationship between the LxSM and this work?

The LxSM (mainly L2SM) is a customer service model which sits on I/F (a);

The Client (mainly ETH) model is a network configuration model, which will directly be used between controllers for Ethernet Configuration.
Different Model Application Scenarios:

- **ETH as a transport network**: client-free; Set up ETH Tunnel (Draft #3) based on ETH Topology (Draft #2);

- **ETH as a client of transport network**: Configure the Service (Draft #1) and update the topology (Draft #2), including the nodes and ETH access links.
Changes of draft-zheng-ccamp-otn-client-signal-yang (1)

• NMDA-Compliance

• ETH modeling Adjustment;
  – Add Groupings for ETH service PM threshold & statistics;
  – Add the leaves for time log (creation, updated)
  – Add more types: p2p-svc, rmp-svc, ...
  – Provide more text description;
Changes of draft-zheng-ccamp-otn-client-signal-yang (2)

- Add the client signal models;

```plaintext
module: ietf-trans-client-service
  +--rw client-svc
    +--rw client-svc-instances* [client-svc-name]
      +--rw client-svc-name string
      +--rw client-svc-descr? string
      +--rw access-provider-id? te-types:te-global-id
      +--rw access-client-id? te-types:te-global-id
      +--rw access-topology-id? te-types:te-topology-id
      +--rw admin-status? identityref
      +--rw src-access-ports
        | +--rw access-node-id? te-types:te-node-id
        | +--rw access-ltp-id? te-types:te-ltp-id
        | +--rw client-signal? identityref
      +--rw dst-access-ports
        | +--rw access-node-id? te-types:te-node-id
        | +--rw access-ltp-id? te-types:te-ltp-id
        | +--rw client-signal? identityref
      +--rw svc-tunnels* [tunnel-name]
        | +--rw tunnel-name string
      +--ro operational-state? identityref
      +--ro provisioning-state? identityref
```

Client signal model is different with ETH models. Difficult to extract a common base, therefore we separate the two set of models;
Changes of draft-zheng-ccamp-client-topo-yang

• NMDA-Compliance;
• Adjust the following parameters:
  – Remove Node-mac-address;
  – Add the support for configuring symmetrical or asymmetrical bandwidth profiles on ETH links;
  – Add the support for reporting the VLAN classification and operations supported by ETH access links;
  – Type changes of client-facing: from empty to boolean;
• Other text descriptions update;
Changes of draft-zheng-ccamp-client-tunnel-yang

• NMDA-Compliance
Open Issues & Next Step

• Broader the scope of the TE tunnel server from ‘OTN’ to ‘transport’;

• Difficulties on extract a common model for ETH and other client models, as a base model:
  – Extract ETH and move first;

• Ask for WG Adoption;

• Align with other WG for ETH model;
  – IEEE/MEF;
  – I2rs/netmod;