## Attendees

- Sergio Belotti

- Italo Busi

- Young Lee

- Carlo Perocchio

- Daniel King

- Dieter Beller

- Gianmarco Bruno

- Haomian Zheng

- Karthik Sethuraman

- Luis Miguel

- Michael Scharf

- Ricard Vilalta

- Xuyunbin

- Yuji Tochio

## Agenda

1. Access Point Model

2. Analysis of Use Case 1

3. AOB

## Discussion Topics

1. Access Point Model

Slides available on GitHub:

<https://github.com/danielkinguk/transport-nbi/blob/master/Meetings/2017-03-01/Access%20Point%20Model.pptx>

* In ACTN we associated “access point” (AP) with BW, it should be stated that the AP could be interface or IP point
* We will need to define “access point” and “customer edge interfaces”
* One consequence of transport network representation in TE topology requires the AP/Linked/IP Point, needs to be represented as a “link termination point” (LTP). Do we augment the TP with specific ODU information? What should the client side container represent: times slots, availability, et al.
* Will look to inherit from existing model [https://tools.ietf.org/html/draft-ietf-teas-yang-te-topo] and add ODU container requirements
* Need to provide available labels on the access link to allow MDSC to select the label to be used
* Should we provide label availability for internal links? Could be optional depending on the policy

2. Analysis of Use Case 1

[ODU2 Connection: TEAS Tunnel Model Instantiation]

* Will ODU label augmentation be required for MDSC and PNC, as both will need to know available labels

[ODU Transit (ODU2)]

* How does the MDSC decide which labels/timeslots to use when services need to be scheduled in advance? Will this impact Transport NBI design?

Discussion about RESTconf operations on TE Tunnel

Sunny-day scenario:

1. MDSC creates a Tunnel in the Transport MPI YANG data store (POST).  
   In this step MDSC configures the TSs to be used on the access links.
2. PNC performs some initial checks and, if the request is ok, confirms to MDSC the successful creation of the Tunnel in the YANG data store (HTTP 200 - Success)
3. PNC successfully setup the ODU tunnel in the transport network data plane
4. PNC updates the Tunnel state in the YANG data store
5. MDSC is notified of the Tunnel state change in the YANG data store

Rainy-day scenario:

1. MDSC creates a Tunnel in the Transport MPI YANG data store (POST).  
   In In this step MDSC configures the TSs to be used on the access links.
2. PNC performs some initial checks and, if the request is ok, confirms to MDSC the successful creation of the Tunnel in the YANG data store (HTTP 200 - Success)
3. PNC fails to setup the ODU tunnel in the transport network data plane (e.g., because of available resources)
4. How PNC informs MDSC that the tunnel cannot be setup in the network?

We may need some Tunnel state to indicate whether tunnel setup is in-progress, failed or success.  
Do we have this status in TE Tunnel model?  
Could we use a timeout?

Action (DT) – further investigate the TE Tunnel model

Summary:

1. How MDSC knows which TS are available at access link?

A: Provided by Transport PNC and IP PNC (via Topology model)

Action (Sergio/Italo) – check with TE Topology DT whether this information is available or not in the base TE Topology model or should be provided in the ODU Topology augmentation.

We can also prepare a proposal to update the YANG model.

1. How MDSC selects the TS to be used on the access link?

A: Based on available TSs, its own TS allocation policy and administrative configuration

1. Can PNC suggest label(s) to MDSC?

Not clear how

Action (DT) – further investigate how PNC can suggest label(s) to MDSC: depends also on the the REST operation sequence

1. How MDSC configures the TS to be sued on the access link

A: Using the Tunnel model (ERO)

3. AOB

Next call is planned on March 15, 2017 at 3:00-5:00 PM CET

Please take care that CET will switch to daylight saving time on March 26 so if you switch to daylight saving time before March 15 (e.g., in North America) the call will start 1h earlier than usual on your time zone.