# Transport NBI DT - June 14th, 2017

## Attendees

* Daniel King
* Italo Busi
* Sergio Belotti
* Carlo Perocchio
* Gianmarco Bruno
* Yuji Tochio
* Luis Miguel
* Dieter Beller
* Igor Bryskin

## Agenda:

1. Use of Path Computation for label range negotiation on access links  
*2. Use Cases I-D Updates  
3. Analysis I-D (for use case 1)  
4. Reporting progress to CCAMP  
5. AOB*

## Notes

### 1. Use of Path Computation for label range negotiation on access links

- Discussion of the configuration tree for the YANG model  
- The Transport PNC will need to know which label ranges the clients support so that the Transport PNC can negotiate which label to use  
    
Two methods are available:  
    1. Advertise the label range available on access links (in TE Topology model)  
    2. Provide label sets during Tunnel setup (in TE Tunnel model)  
  
Better to enhance both models since the models can be used independently.  
  
Reference network: ODU2 transit for Use Case 1  
  
Example: label range defined by the technology is 1-1000  
  
C-R1 supports a limited label range: 1-500  
  
S3 supports a limited label range: 100-900  
  
MDSC sends a Path Computation Request to PNC indicating a suggested label set on the head access link: 1-500  
PNC replies indicated an acceptable label set on the head access link: 100-500  
MDSC can request TE Tunnel setup using label 150 on the head access link  
  
Further discussion needed on how to use TE Tunnel pre-computed and non-pre-computed modes.  
  
Per Tunnel configuration (suggested label set):  
-head-label-set-forward  
-head-label-set-reverse  
-tail-label-set-forward  
-tail-label-set-reverse  
  
Per Tunnel state (acceptable label set):  
-head-label-set-forward  
-head-label-set-reverse  
-tail-label-set-forward  
-tail-label-set-reverse  
  
Discussion about whether path computation should take care of te label range negotiation on the access links.  
  
Carlo: When path computation is used with a black topology, the reply will not contain any information of the intermediate hops but only of the access links. The MDSC should get the information about the label sets available on the access links to properly configure the TE Tunnel.  
  
It has been clarified that there is no need for path computation to report the label(s) used or available on internal links. The discussion is only about the need to report the label(s) available on the access links.  
  
Open issues (for further discussion):  
    1. it s a tunnel-based configuration or path based configuration  
    2. it is part of path computation  
  
Actions:  
      
- Carlo to discuss with Tarek and Igor (TE-Tunnel DT)  
- Need to submit new versions of I-Ds before July 3rd deadline   
  
- Plan for next call 28 June

## Note takers (feel free to add your name here):

Daniel King