Transport NBI Design Team Update

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IETF 103
Transport NBI DT

• Design Team’s Goals and Deliverables:
  – Develop use cases and gap analysis
    • Identify a set of technologies use cases and providing a gap analysis against existing models
  – Identify missing models or capability
  – Coordinate requirements with appropriate WGs
    • Including TEAS, RTGWG and CCAMP itself
  – Providing guidelines in terms of how all the related models can be used in a step-wise manner
    • Using a couple of well identified transport network use cases

• Working methods
  – Mailing lists & Conference calls
  – GitHub: https://github.com/danielkinguk/transport-nbi
Applicability Statement Updates

• New version: draft-ietf-ccamp-transport-nbi-app-statement-03
  – Clarify the scope of the applicability statement scenarios as per comments received during IETF 102
  – Added text for the Security and Management sections and refined some text to improve the clarify
  – Completed the JSON topology example with the I2RS and TE topology models identifiers
  – Updated abstraction levels of different PNCs

• Latest version: draft-ietf-ccamp-transport-nbi-app-statement-04
  – Just fixing some formatting issues with the -03 version
Control Hierarchy

Covered in v03:
- ODU Topology
- ODU2 Service
- EPL over ODU2 Service

Scope of the draft
TE Topology Abstraction

PNC1 black topology

PNC 3 white topology

PNC 2 black topology

MDSC Internal Topology
TE Tunnel Setup

MDSC Internal Topology

PNC1 black topology

PNC 3 white topology

PNC 2 black topology
Open Issues

• Complete the examples
  – Add plug-id information
  – Add TTP and client adaptation information

• Prioritize the next example(s)
  – EVPL and/or multipoint Ethernet services?
  – Multi-function access links?
  – Protection/restoration?
  – Service modification?

• Discuss some questions for clarifications with TE Topology authors
Next Steps

• Publish v05 of draft-ietf-ccamp-transport-nbi-app-statement
  – Address open technical issues
  – Align text with the TE tutorial
  – Complete examples for ODU2, EPL and other client service configuration
  – Add other examples (based on priority)

• Face-to-face DT meeting planned during IETF 103