YANG Data Models for Transport Network Rich Detail Network Management (RDNM)

CCAMP WG Interim Meeting

draft-yu-ccamp-rdnm-yang-01

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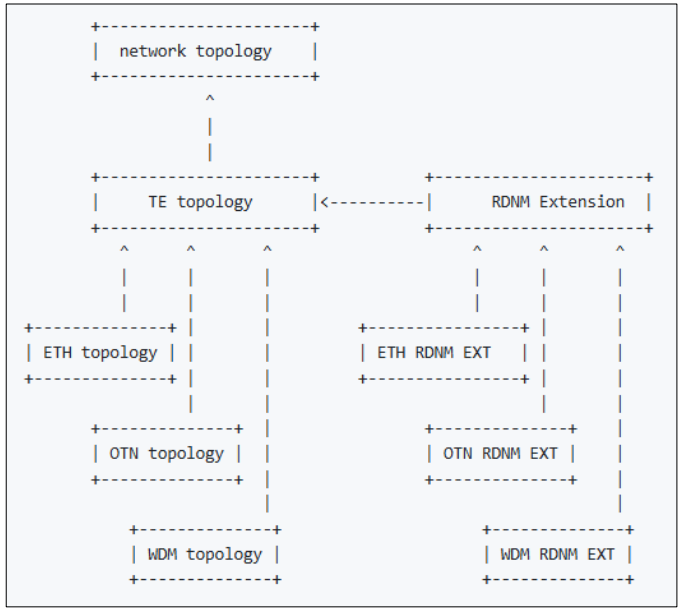
Motivations Recap and Main Changes of this Draft

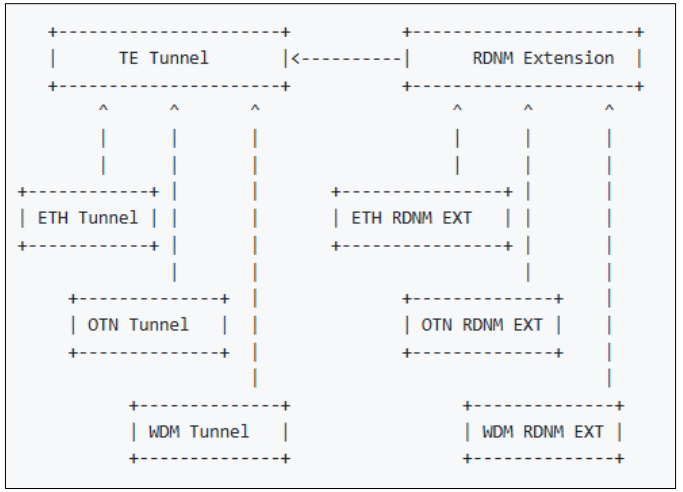
Motivation

- Cover traditional FCAPS functionalities to protect the existing investment of OSS
- Align different SDO's Modeling to reduce vendors' develop
- Provide some new interfaces to improve efficiency and avoid scalability issue

Main Changes after IETF 121:

- More people join the discussion;
- Rename FGNM (Fine-Grain Network Management) with RDNM (Rich-Detail Network Management)
- Remove TE prefix since it is non-TE related in the traditional modeling

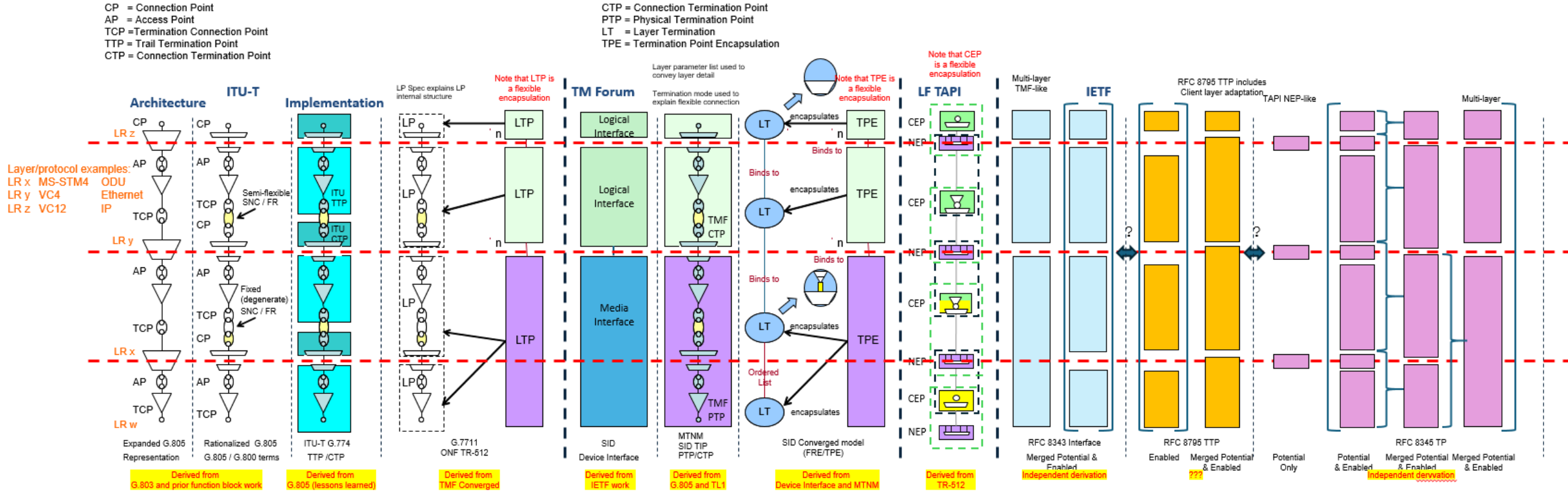




Discussion of Modeling from Different SDOs

The purpose to discuss different modeling based on the facts that:

- The transport network alarm monitoring mechanism are based on ITU-T standard, so that if we would like to report an alarm based on ITU-T object by ACTN interface, we need to know what the corresponding ACTN object is;
- The same situation is also happened at performance monitoring;



The current conclusion consider that there could not be a fixed mapping relationship between different modelling.
Detailed investigation still work in progress

Next Step

- Continue the discussion of different modeling alignment
- Review the extension identified by the current draft
- Find out more generic RDNM extensions and layer-specific extensions
- Call for interest & joint contribution
  - Github: https://github.com/YuChaode/rdnm-yang
  - Bi-Weekly Call: https://ietf.webex.com/ietf/j.php?MTID=m524f3ae9ab0337f2e50c6e1ae06551e1 (UTC 3pm-4pm)