### A YANG Data Model for Client Signal Performance Monitoring

TEAS WG, IETF106, Singapore

draft-zheng-ccamp-client-pm-yang-00

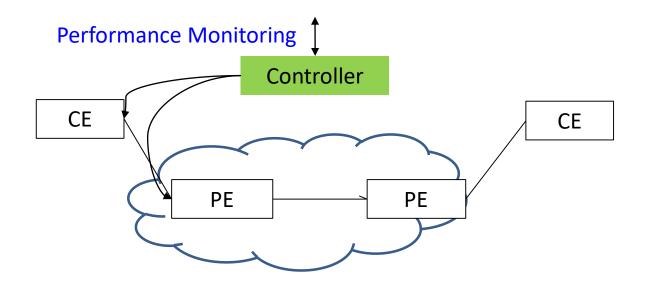
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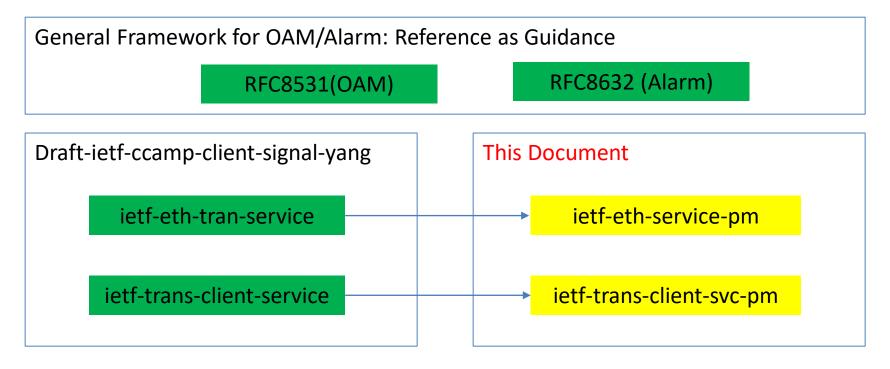
# Why the model is needed?

### • Motivation:

- Service(s) are configured on TE tunnels (OTN, WSON, etc.);
  - Ethernet service;
  - Transparent client signals;
- Performance need to be monitored for operation need;



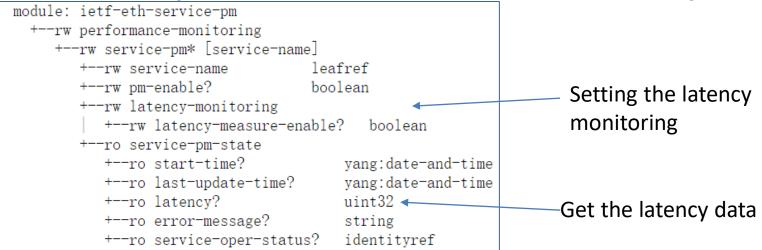
## Model Relationship



Other PM-related Documents:

- draft-ietf-teas-actn-pm-telemetry-autonomics: focus on the PM mainly on VN and Tunnels, instead of service (covered in this document);
- draft-www-bess-yang-vpn-service-pm: focus on the VPN level, especially among overlay VPN sites;

### What parameters are in scope?



Parameters	Layer2	Layer1	Layer0	Status
Delay/Latency	$\checkmark$	$\checkmark$	$\checkmark$	In the draft
Bit Error Rate(BER)	?	$\checkmark$	$\checkmark$	Planning
Packet Loss	$\checkmark$	×	×	Planning
Jitter	$\checkmark$	$\checkmark$	$\checkmark$	Planning
Bandwidth	$\checkmark$	$\checkmark$	$\checkmark$	Planning
Byte/Packet number	✓	$\checkmark$	$\checkmark$	Planning
Power	×	×	✓	Planning

### Discussion

- Generic or Tech-specific?
  - Authors believe the model is tech-specific;
- To move forward:
  - Agree on the model relationship;
  - Continue to work on bringing other parameters for monitoring.