Bench Marking of Y1731 Performance Monitoring

draft-jacpra-bmwg-pmtest-01

By

Praveen Ananthasankaran(panantha@juniper.net)
Sudhin Jacob(sjacob@juniper.net)
Agenda

• This draft is proposed for benchmarking the Y1731 performance monitoring on DUT in various scenarios.

• ITU defines the protocol Y1731 stack but it never explains how to use it over different services.

• IETF provides this opportunity so this draft is written to benchmark the Y1731 running on point to point service in DUT
Y1731

• Y1731 defines protocol, payloads to measure the loss and delay measurements.
Review Comments from IETF 95

• Add Synthetic Loss measurement section, Adding section with and Without COS
Topology

- R1
- Core router
- DUT

Traffic generator

Traffic Generator
Benchmarking of Parameters for Loss/Delay/Synthetic loss Measurement

• Measurement of loss/Delay/Synthetic packets
• Impairment
• RE Failover
• Soak
• Reliability
Measurement – loss/Delay/Synthetic loss Measurement with and with out cos measurement.

With Various line rate the output is measured.
Measurement – Impairment

• Measure the behavior of PM when dropping LMM/LMR/SLM/SLR/DMM/DMR or data packets using impairment tools.
Measurement – Routing Engine Failover (HA)

• Measure the loss measurement statics should not reset during RE failover. Packet must be counted during the failover time.
• There should not be any loss reported.
• Statistics should not reset.
Measurement- SOAK

• Measure the PM statistics after running the DUT for 12hrs with traffic.
• No Core or Memory leak
Measurement- Reliability

This is to measure the statistics won’t be showing any drastic result or anomaly while running over a period of time.
Next Steps

• Draft must be reviewed.
• Requesting the Chair for adoption.
• Thank you for the support