

# Bench Marking of Y1731 Performance Monitoring

## draft-jacpra-bmwg-pmtest-01

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# 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

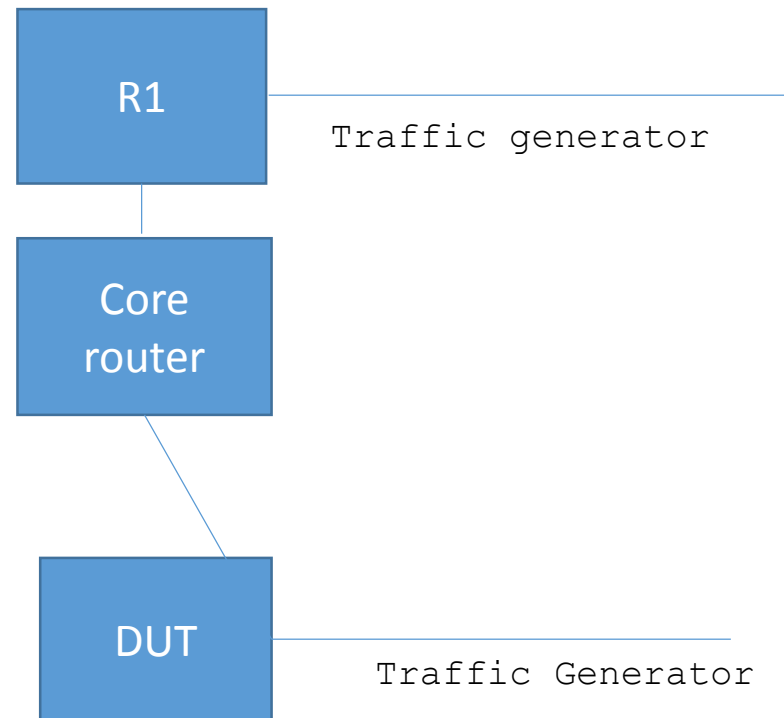
# Y1731

- 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



# 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 wont be showing any drastic result or anomaly while running over a period of time is is to measure the statistics wont 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