Bench Marking of Y1731 Performance Monitoring
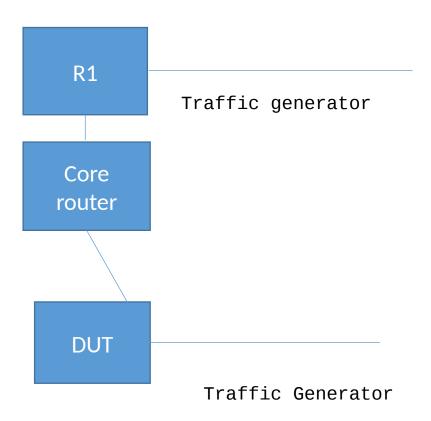## draft-jacpra-bmwg-pmtest-00

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Agenda

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

Topology

R1

Traffic generator

Core
router

DUT

Traffic Generator

Benchmarking of Loss Measurement

- Calculation of Near, Far end loss in colored and colorless loss measurement
- Impairment
- RE Failover
- Soak

Measurement –Near end loss in colorless and colored loss measurement.

- Colorless mode counts all data packets for Loss measurement whereas colored mode counts only in-profile (Green) packets for Loss

- Measure the near end loss and far end loss is showing "x" when x packets are dropped in Tx and Rx path of DUT.

- Measure the near end loss and far end loss is showing 0 loss when x packets are dropped in Tx and Rx path of DUT which are out profile when loss measurement is working in colored mode.

Measurement – Impairment

- Measure the behavior of PM when dropping LMM/LMR pack 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

- Thank you for the support