Framework for IP Passive Performance Measurements

draft-zheng-ippm-framework-passive-03

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Update

- Extended discussion on Passive Measurement Methods and Metrics
- Hybrid Measurement definition and example

Passive Measurement Methods and Metrics

- Passive Measurement Method: The process of measuring some performance or reliability parameter associated with the existing traffic (packets) on the network.
- Passive measurements may be used in scenarios where active measurement alone is not enough or applicable.
- Passive measurement is not without cost.
- Passive Metrics: A set of standard measurements for evaluating network performance or reliability, based upon the results of Passive traffic (IP Packets), existing on the network and examined by one or more Measurement Points.
- Existing technologies may present a challenge to some passive measurement methods, e.g. marking, while new, e.g. SFC, BIER, encapsulations allow us to accommodate them and guarantee no effect on how network treats marked packets.

Hybrid Measurements Methods

- Hybrid Measurement Method: Methods of Measurement which use a combination of Active Methods and Passive Methods.
- Hybrid Methods are not fully defined or delineated at this time.
- Possible example of Hybrid Performance Measurement Method may be method in which test packets being injected into a network and observation performed at transient Measurement Points.

Next steps

- Welcome comments from the WG
- Propose joint work with authors of draft-morton-ippm-active-passive