Rate Measurement
Problem Statement

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Motivation

- Many possible Rate Measurement Scenarios – Narrow the scope
- Access-Rate Measurement
  - Has Continued Industry Attention
  - Many different approaches
  - Need to avoid mistakes: No comparison of Apples & Oranges
  - Topic of this draft and discussion
Scope

- Access Rate Measurement on Production Networks
  - Rates at edge << core, likely bottleneck <= 100 Mbit/s (timing accuracy)
  - Asymmetrical ingress and egress rates
  - Largest scale at edge: low complexity needed in device at user end
  - Tester has control of sender/receiver
Scope (contd.)

- **Access Rate Measurement on Production Networks**
  - Active measurements (IPPM charter)
  - Both In-Service and Out-of-Service
    - Includes service commissioning activity

- **Non-Goals**
  - No protocol solution in this draft
  - Exact methods of meas (but categories discussed)
Summary of Specs

- Minimize test traffic when necessary
- Possible assessment of background
- Architecture MAY be either 1 or 2 way
- SHALL support packet ensemble tests
  - 4 categories, others are OPTIONAL
- Variable (asymmetrical) payload and ensemble lengths among streams MUST be communicated
Conclusion + Next Steps

- This problem is a hot-topic in the Industry
- Draft discussed in-person at IETF-82 and on the list
- Additional Comments today?
- Develop as a WG item?