

Reporting IP Performance Metrics to Users

draft-ietf-ippm-reporting-04.txt

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Context

- Reporting small set of metrics to users on demand (“short term” versus “long-term”, or long-running)
- The set: median delay, loss ratio, delay spread, duplication, reordering

What's changed in -04?

- Updates based on IETF-74 discussions
- Duplication, reordering definitions
- Reference for reordering
- Reordering code fixed; input sample matches definition (index origin 1)
- Can still fix newline issue, verify percentile defn.
- Any other issues?

Duplication

- Duplication is the fraction of transmitted packets for which -> fraction of packets sent but not lost for
- “For more information, see section 5.2 (Type-P-one-way-replicated-packet-rate) of RFC 5560 (A One-Way Packet Duplication Metric). Duplication is Type-P-one-way-replicated-packet-rate expressed as a percentage.”

Reordering

- Reordering is the fraction of sent packets -> the fraction of packets sent but not lost
- “For more information, refer to section 4.1.3 (Type-P-Reordered-Ratio-Stream) of RFC 4737 (Packet Reordering Metrics), and supporting text.”
- “{Comment: As the non-normative sample code in Appendix A below shows, this is also related to the amount of 1-reordering (Section 5.3 RFC 4737). It is not, however, the degree of 1-reordering in 5.3; because that divides by the number of all packets received, instead of the number of unique (non-duplicate) packets received.}”

Next steps

- Double-check sample code percentile calc
- Fix any other comments received
- WGLC

