

draft-ietf-ippm-loss-episode-metrics-01

Loss Episode Metrics for IPPM

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Changes since IETF 79

❑ IPR disclosure

- ✦ Supersedes IPR disclosure for previous individual draft
- ✦ <https://datatracker.ietf.org/ipr/1354/>

❑ Draft adopted as WG item in 2010

- ✦ Previous individual draft draft-duffield-ippm-burst-loss-metrics

❑ Comments from Tiziano Ionta

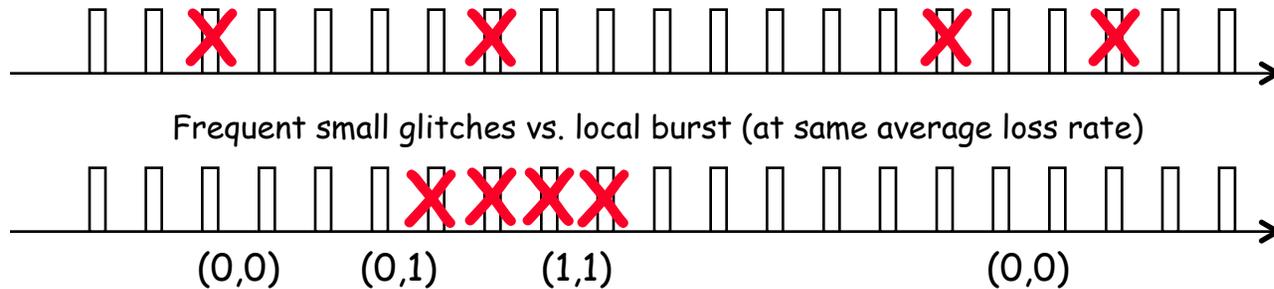
- ✦ Clarified several metric definitions in the Intro, and in section 5:
- ✦ “The metrics report loss episode durations and frequencies in terms of packet counts, since they do not depend on the actual time between probe packets. The final metrics of Section 6 incorporate timescales and yield durations in seconds, and frequencies as per second.”

Conclusion

- ❑ Please read the draft and comment
- ❑ Please post any questions from this WG session to the mailing list
- ❑ We hope for WGLC before Quebec/IETF-81

A one page summary of the draft

- ❑ Fact: packets in a flow are not generally lost independently



- ❑ Motivation: metrics of temporal structure of packet loss
- ❑ Target use: SLAs, application requirements (e.g VoIP)
- ❑ Object of study: loss episodes (of consecutively loss packets)
- ❑ Metrics: average duration and frequency of loss episodes
- ❑ Methodology: bi-packet probes, sent as discrete Poisson stream
- ❑ Analysis: metrics depend only on frequencies of probe outcomes
 - ✦ 4 possible outcomes (0,0), (0,1), (1,1), (1,0) where 1 = lost, 0 = not lost
- ❑ Summary: extension of RFC 2680 to case of correlated loss