## Packet Reordering Metric for IPPM - Changes from Version 09

http://www.ietf.org/internet-drafts/draft-ietf-ippm-reordering-10.txt

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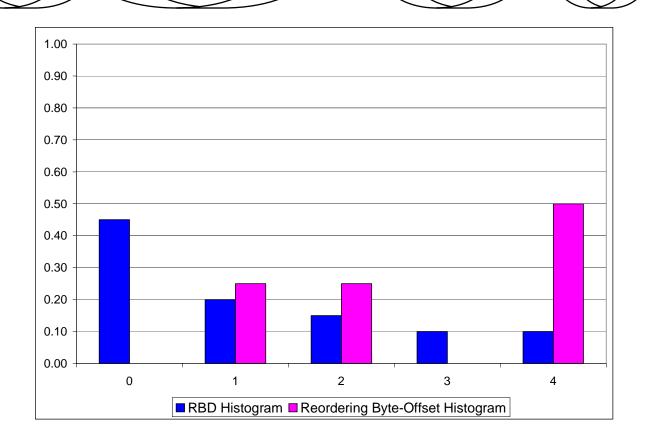
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August 1, 2005

## Comments incorporated in Version 10

- Section 2.2 Quantifying the Degree of Reordering
  - noted that computing <u>all</u> metrics gives a wide ranging view of reordering conditions.
- Section 3. Singleton Parameters & Definition
  - Clarified that the stored value in NextExp is determined from a previously arriving packet.
- Section 4 Late Time and Reordering Byte Offset
  - Added results reporting as a histogram, and their interpretations >>> specific to reordered packets <<<</p>
- Section 6 Measurement and Implementation Issues
  - → Pointed out that practical networks do not have sufficient storage for entire streams that are minutes in length. Estimates of "complexity" need to respect that fact.
- Section 7.1 Example
  - → "All packets contain PayloadSize= 100 bytes, with SrcByte=(s x 100)-99 for s=1,2,3,4,..."

## Comparison: Byte Offset -- Reorder Buffer Density

• 1 3 4 5 6 <u>2</u> 7 9 10 11 12 <u>8</u> 13 14 16 17 <u>15</u> 18 20 <u>19</u>



## **Summary**

- Work accepted by IPPM in March 2002
- 1st Last Call on version 07, Oct 2004
  - most comments addressed, but a few more showed up in...
- 2nd Last Call on version 08, Dec 04/Jan 05
  - Comments Addressed in version 09
- March 2005 meeting and post-meeting comments addressed in version 10
- Any more Comments?
  - (or are we ready for \*another\* Last Call?)