

Evaluating Congestion Control for Interactive Real-time Media

draft-ietf-rmcat-eval-criteria-06

IETF 101 – Jörg Ott

Reminder

- This draft provides a series of recommendation for evaluation experiments
- In simulation or emulation
- Metrics
- Network parameters
- Wireless links
- Traffic parameters (RTP, background TCP/UDP)
- Goal: get this done now!

Issue 1: Jain Fairness Index

- Using Jain-fairness index (JFI) for measuring self- fairness between RTP flows?
- Measured at what intervals?
- Visualized as a CDF or a time series?
- Additionally: Use JFI for comparing fairness between RTP and long TCP flows?

- **Suggestion: Remove this issue, do nothing.**
- (No concrete proposals came in.)

Issue 2: Loss generation model

- Section 4.4
- Describes the model for generating packet losses, for example, losses can be generated using traces, or using the Gilbert- Elliot model, or randomly (uncorrelated loss).
- **Suggestion:**
 - 1. Do simple random (i.e., independent) losses.
 - 2. List the other options for information only.

Issue 3: Jitter Models

- Section 4.5
- Currently two options described
 - Random Bounded PDV (RBPDV)
 - Approximately Random Subject to No-Reordering Bounded PDV (NR-RPVD)
- Which one is used in evaluations? Are both used?
- **Question** (to the room and then to the list):
 - Which one(s) have you used in your evaluations?
 - Others?
- **Suggestion:** go with the majority (if there is one)

Next steps

- List feedback
- Update the draft (and revive it)
- Ship it (WGGLC)