Multimedia Congestion Control: Circuit Breakers for RTP Sessions

draft-ietf-avtcore-rtp-circuit-breakers-10

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Status

- No changes to the draft since IETF 92
- Comments on mailing list from Simon Perreault and Magnus Westerlund
Comments from Simon Perreault

• Helpful comments based on early implementation experience:
  • Need to clarify how to deal with implementations that don’t support RTCP: can’t use the circuit breaker, but some consent check desirable
  • Need to clarify behaviour when unclear if remote endpoint supports RTCP
  • Need to clarify the “at least once per RTT” bound, especially cases where the bound is only sometimes satisfied – provide a precise algorithm

• Will be incorporated into next version – thanks!
Comments from Magnus Westerlund

• Various issues around mismatch between the RTT, RTCP reporting interval, and inter-packet interval
  • Lower bound of 1 packet-per-RTT allows high sending rates with low RTT
  • Issues with under-sampling when inter-packet interval exceeds the RTCP reporting interval
  • Issues with over-sampling when RTCP reporting interval less than RTT

• Ongoing discussions how to resolve these
Next Steps

• Working to develop a proposal to address the open issues – aware that this is blocking other drafts