Editors/Doc Structure

• New active editors assigned
  – J. Iyengar, Mirja Kuehlewind

• Document restructured
  – Ledbat CC sections grouped under sender/receiver specific
  – Separate section around parameterization and fairness
  – Clock skew correction discussion moved to appendix
  – From version 3 we also intend to remove everything beyond A.2.1 which is the deployed mechanism presently, everything else is speculative at best
Editorial

• Intro should include discussion on TCP Vegas which forms the basis for a lot of observations in this design
• Applicability to TCP seems far out and we would like to remove it
  – Adapting TS to start measuring one-way delay is non-trivial
• There should be some discussion around BW and the kind of links where Ledbat is appropriate
  – If somebody tries to run this on 10G for instance it clearly wont work as designed
• Replace TCP with Standard TCP
Parameters

• Delay target
  – Delay target moved to 100ms from 25ms in Version 2
  – Discussion on specifying a range, SHOULD be x but MUST be no more than Y
  – Version 3: TARGET parameter MUST be set to 100 milliseconds (matches implementation)

• Gain
  – Reverting to the text from version 1, version 3 will say “GAIN MUST be set so that the max ramp up rate is the same as for TCP”
Random reshuffling for fairness

• We are keeping this even though parameter SHOULD be set to zero in the common case. Ok?

• random_input()

  # random() is a PRNG between 0.0 and 1.0
  # RANDOMNESS_AMOUNT is normally 0
  RANDOMNESS_AMOUNT * TARGET *

  ((random() - 0.5)*2)