Last Call comments and changes for CCID 2

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Status:

- The main feedback was from Mark Allman and Aaron Falk.
- No open questions.
- Topics:
  - Why Byte Counting?
  - Why at most one RTT sample per RTT?
  - Minimum for ssthresh?
  - Initial cwnd?
  - CCID 2 masquerading as CCID 1?

Mark: Why Byte Counting? It is only Experimental in TCP.

- CCID2 has congestion control on the reverse path.
- Mark:
  - "IMO, ABC with a limit of increasing cwnd by no more than 50% per RTT is the right answer."
- Added to the next revision.

The Ack Ratio:

- "In a scenario where a sender's cwnd is rapidly changing, this could cause a lot of feature negotiation possibly during a period of congestion on the forward path."
  - "The sender SHOULD not attempt Ack Ratio renegotiations more than once per round-trip time."

Why at most one RTT sample per RTT?

- Added:
  - "If more that one round-trip time measurement per round-trip time was used for these calculations, then the weights of the averagers would have to be adjusted, so that the average round-trip time is effectively derived from measurements over multiple round-trip times."

Minimum for ssthresh?

- Changed from two to one.
  - "I don't think it actually makes any functional difference."

ECN:

- Specify that the congestion window is only increased for packets that aren't ECN-marked.

Initial cwnd:

- Clarified to make it clear that the exact rules of RFC 3390 apply.

CCID 2 masquerading as CCID 1?

- A moot point, now that CCID 1 has been removed from the main spec.