RTP Stream Pause / Resume

draft-ietf-avtext-rtp-stream-pause-05
Bo Burman

IPR Disclosure

› For referred draft-ietf-avtext-rtp-stream-pause
  – http://datatracker.ietf.org/ipr/1641/ (Ericsson)
  – https://datatracker.ietf.org/ipr/1935/ (Microsoft)

› Unchanged since -00

Changes Since -01

› Multiple clarifications on unsolicited use of PAUSED (TMMBN=0)
  - Clarified that unsolicited sending of PAUSED is allowed, with example
  - Clarified retransmission and timing requirements
  - Interaction between this use of PAUSED, and PAUSE (TMMBR=0)
  - TMMBN 0 contains RTP stream sender itself as bounding set
› Major re-write of SDP signaling
  - New 'config' parameter, allowing for partial implementations
  - Much clearer Offer/Answer rules
› Clarified that pausing a stream must not affect RTP keepalive
› REFUSE → REFUSED, better reflecting that it is an indication
› Shortened section 5, comparing other signaling solutions with RTCP, to a single, summarizing paragraph
› Improved IANA section
› Editorial improvements

Open Issues

› Is an ACK to unsolicited PAUSED needed?
  - For PAUSED sender to know when to use only regular RTCP timing
  - Alternatively, use regular RTCP loss reports to estimate how many PAUSED repetitions are needed to "very likely" reach the receiver
  - If ACK needed, no new message type has to be defined:
    › A PAUSE request with the same PauseID can be used
    › TMMBN=0 with (remote) paused SSRC can be used

› Retransmission interval for unsolicited PAUSED?
  - Preferably same packet rate as the paused media, not exceeding available RTCP bandwidth?

Way Forward

› Close open issues

› After that, ready for another WG Last Call?