

RTP Media Stream Pause / Resume

draft-westerlund-avtext-rtp-stream-pause-03

Bo Burman

IPR Disclosure

- › For referred draft-westerlund-avtext-rtp-stream-pause
– <http://datatracker.ietf.org/ipr/1641/>
- › Unchanged since -00

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Overview

- › Proposed solution extends CCM (RFC 5104)
 - Responsive
 - Bandwidth efficient
 - Signaling has direct impact on media streams
 - Localized to media stream; small session impact

- › Capability for solution is explicitly signaled in SDP

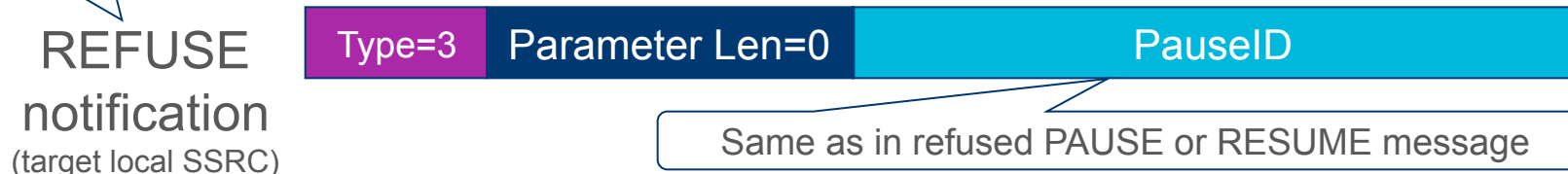
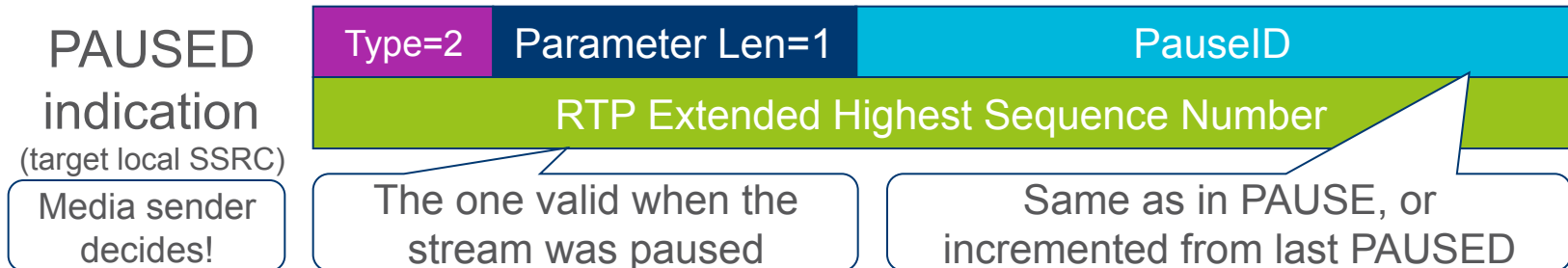
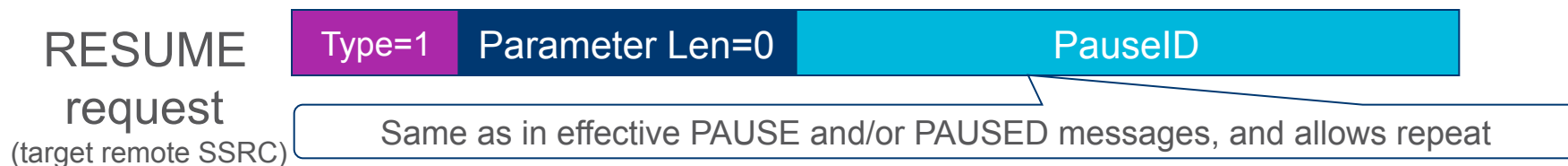
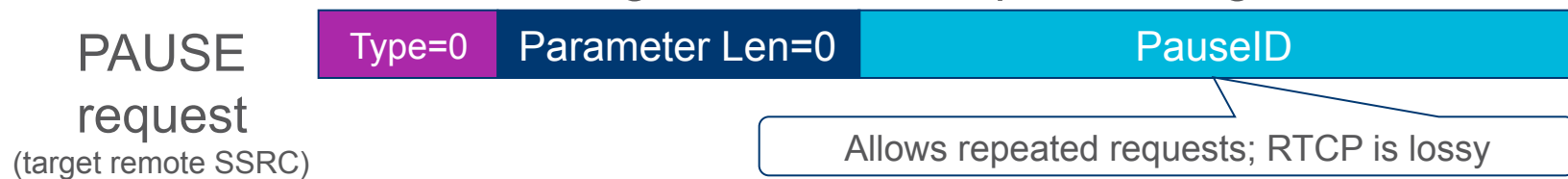
- › Changes since -02
 - Minor editorial changes and clarifications
 - Better description of how to handle PAUSE and RESUME for RTP streams encoded using temporal redundancy

Solution Relation to CCM

- › CCM TMMBR 0 kbps as PAUSE
 - Any media receiver “pausing” will immediately pause stream
 - This draft desires “consensus”; don’t pause if anyone wants stream
- › CCM TMMBR >0 kbps as RESUME
 - TMMBR semantics *requires* guard period before increasing bitrate
 - Contradictory to RESUME likely being time critical
- › CCM TMMBN 0 kbps as PAUSED
 - Will likely work, but cannot provide any stream state information
- › CCM TMMBN as REFUSE for PAUSE and RESUME
 - TMMBN semantics does not allow for refusing a TMMBR 0
 - TMMBN semantics does not always allow for refusing TMMBR>0

Solution Overview

All messages have a common SSRC of sender from RFC 5104, and each message also has a separate Target SSRC



Multiple messages can be sent in the same RTCP CCM message

Way Forward

- › Is the proposed solution favored by the WG?
- › Should the draft be adopted as a WG draft?

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