

draft-grozev-perc-double-rtx

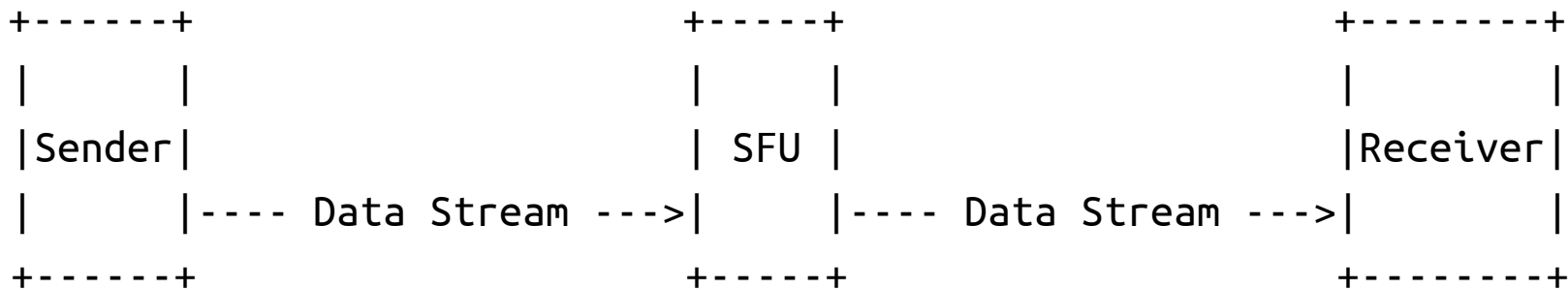
SFUS TERMINATE RTX

RTX IN PERC SHOULD BE HOP-BY-HOP ONLY

1. Sender takes an E2E encrypted packet to be retransmitted.
2. Applies the RTX transformation (replaces the SSRC, payload type and sequence number, and inserts the OSN field in the payload).
3. Performs the HBH SRTP transformation.

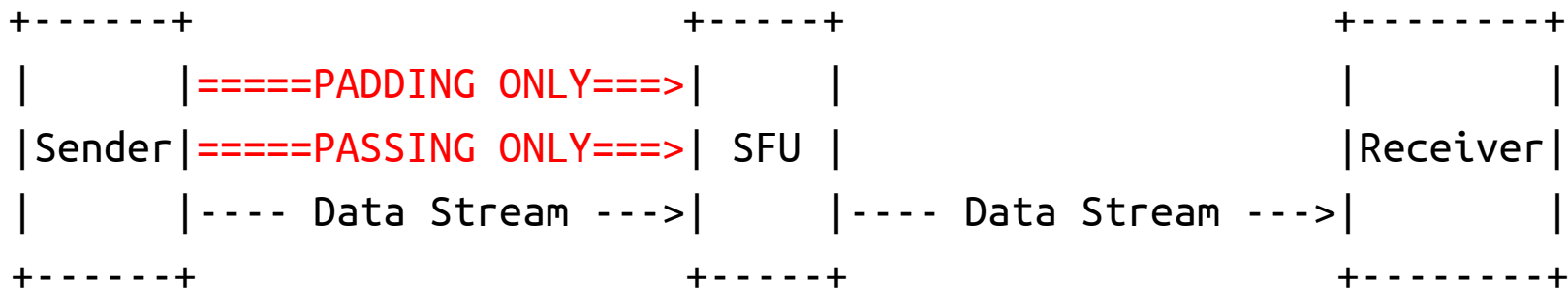
BANDWIDTH PROBING WITH PADDING-ONLY PACKETS

1. Some implementations (i.e., Chrome) probe for available bandwidth using RTX+PADDING



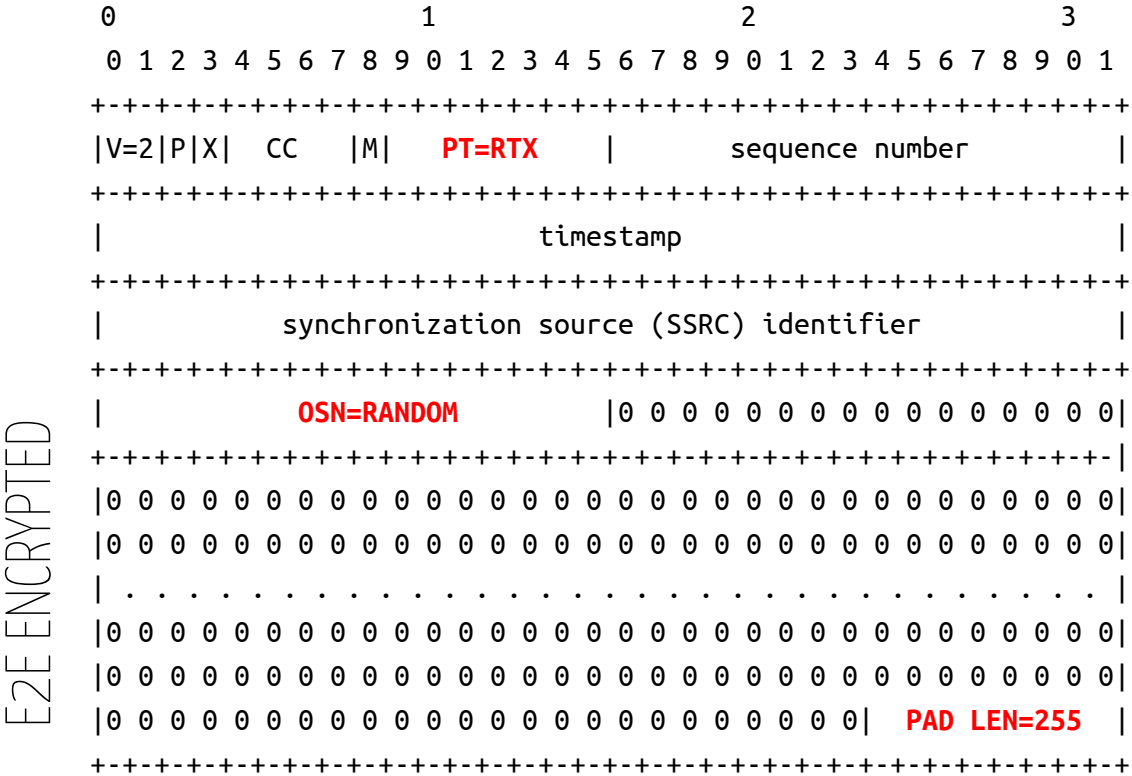
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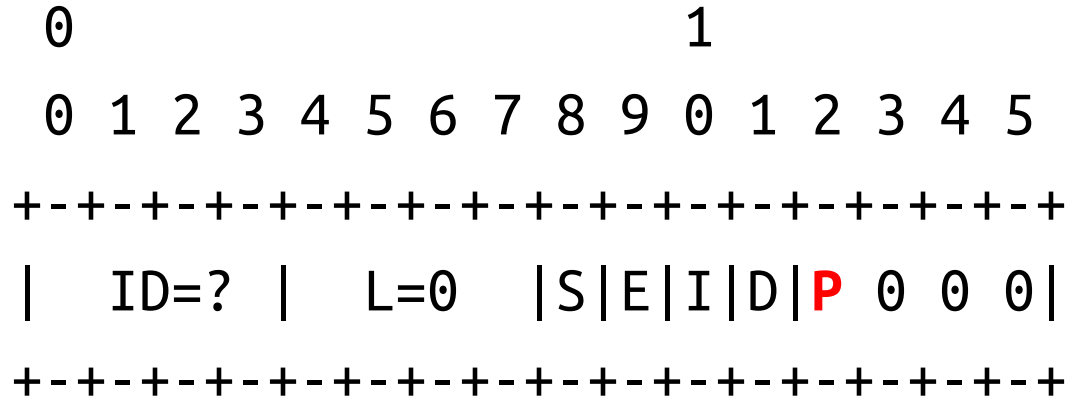
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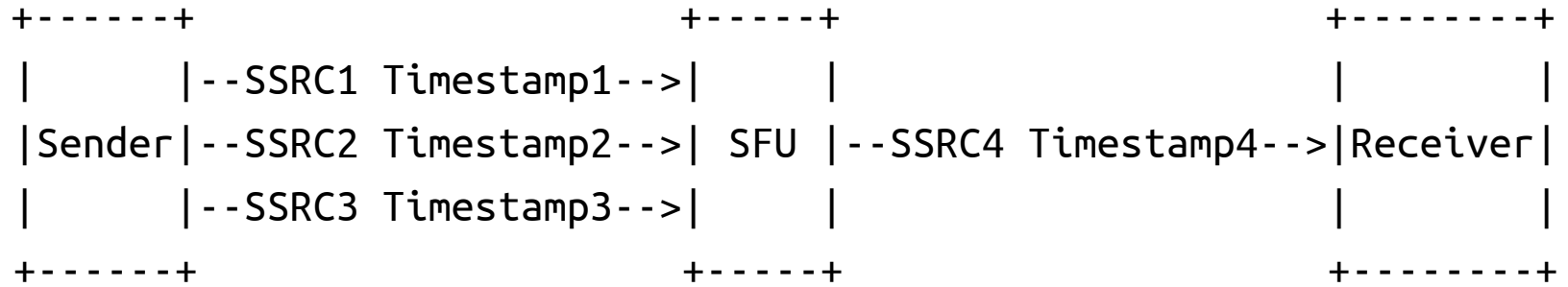
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draft-grozev-perc-ssrc

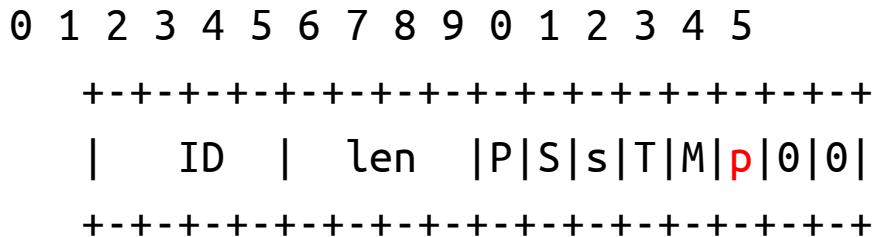
SIMULCAST AND AN SFU



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len	R-bit set	R-bit not set
0	PT	
1	SEQ	
2	PT, SEQ	
3	SSRC	
4	PT, SSRC	PT, TS
5	SEQ, SSRC	
6	PT, SEQ, SSRC	PT, SEQ, TS
7	SSRC, TS	
8	PT, SSRC, TS	
9	SEQ, SSRC, TS	
10	PT, SEQ, SSRC, TS	

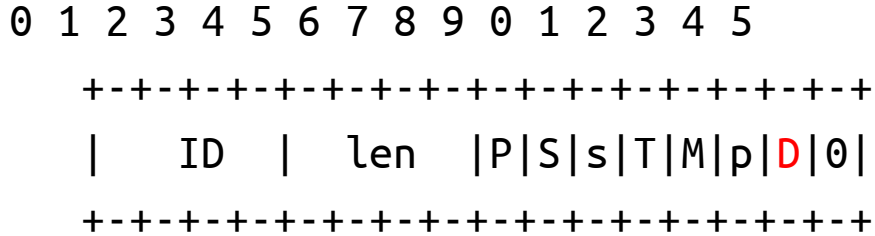
SERGIO GARCIA MURILLO: AHM ... SVC? M-BIT?



WHERE:

- P** specifies the presence of a Payload Type byte.
- S** specifies the presence of a Sequence Number field (2 bytes).
- s** specifies the presence of a SSRC field (4 bytes).
- T** specifies the presence of a Timestamp field (4 bytes).
- M** contains the original value of the M bit.
- p** is a padding-only bit, which indicates that the packet contains only padding and can be discarded.

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- D** Hop by hop discardable