

Flexible FEC

draft-ietf-payload-flexible-fec-scheme-04

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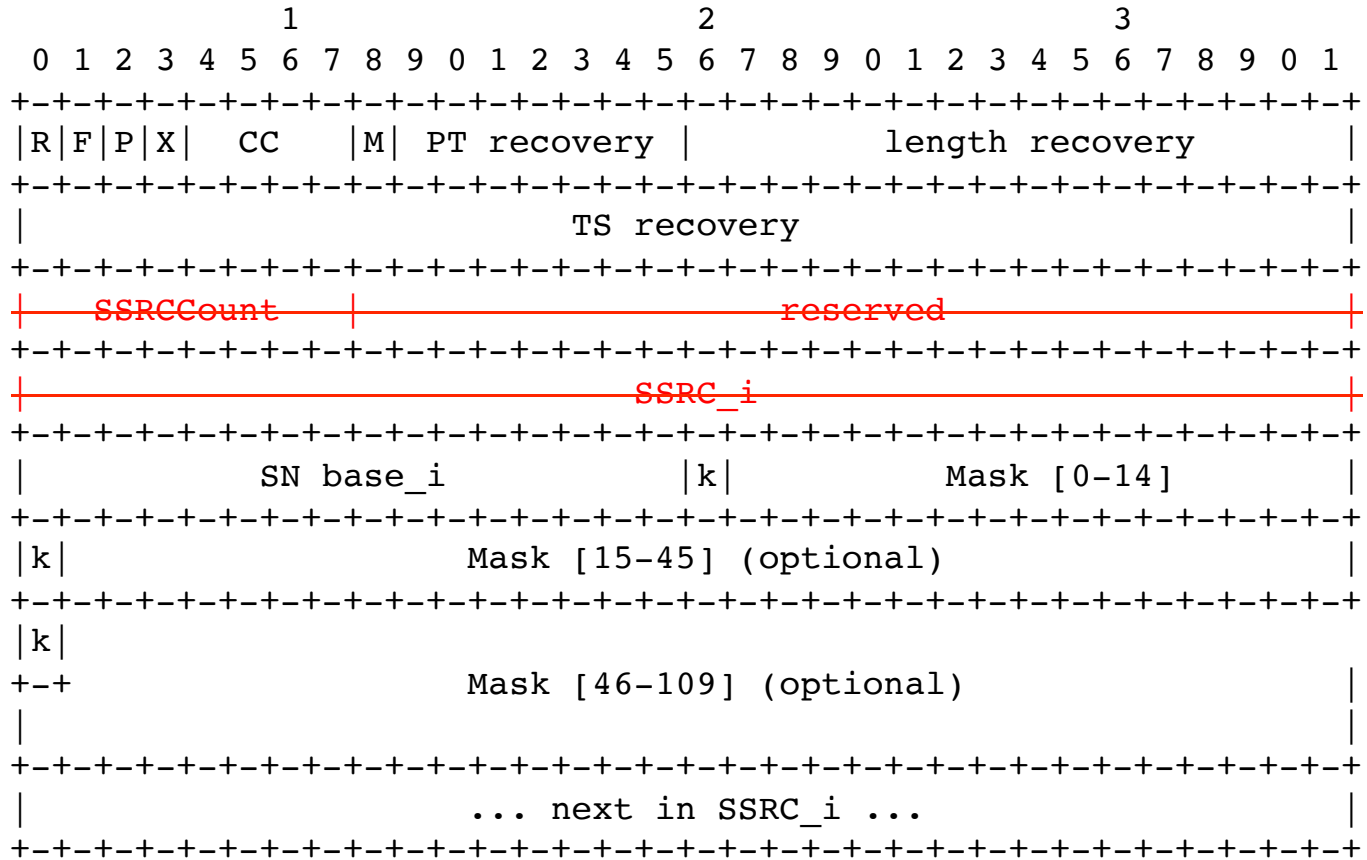
PAYLOAD WG – IETF 98 – Chicago, IL

Changes in version -04

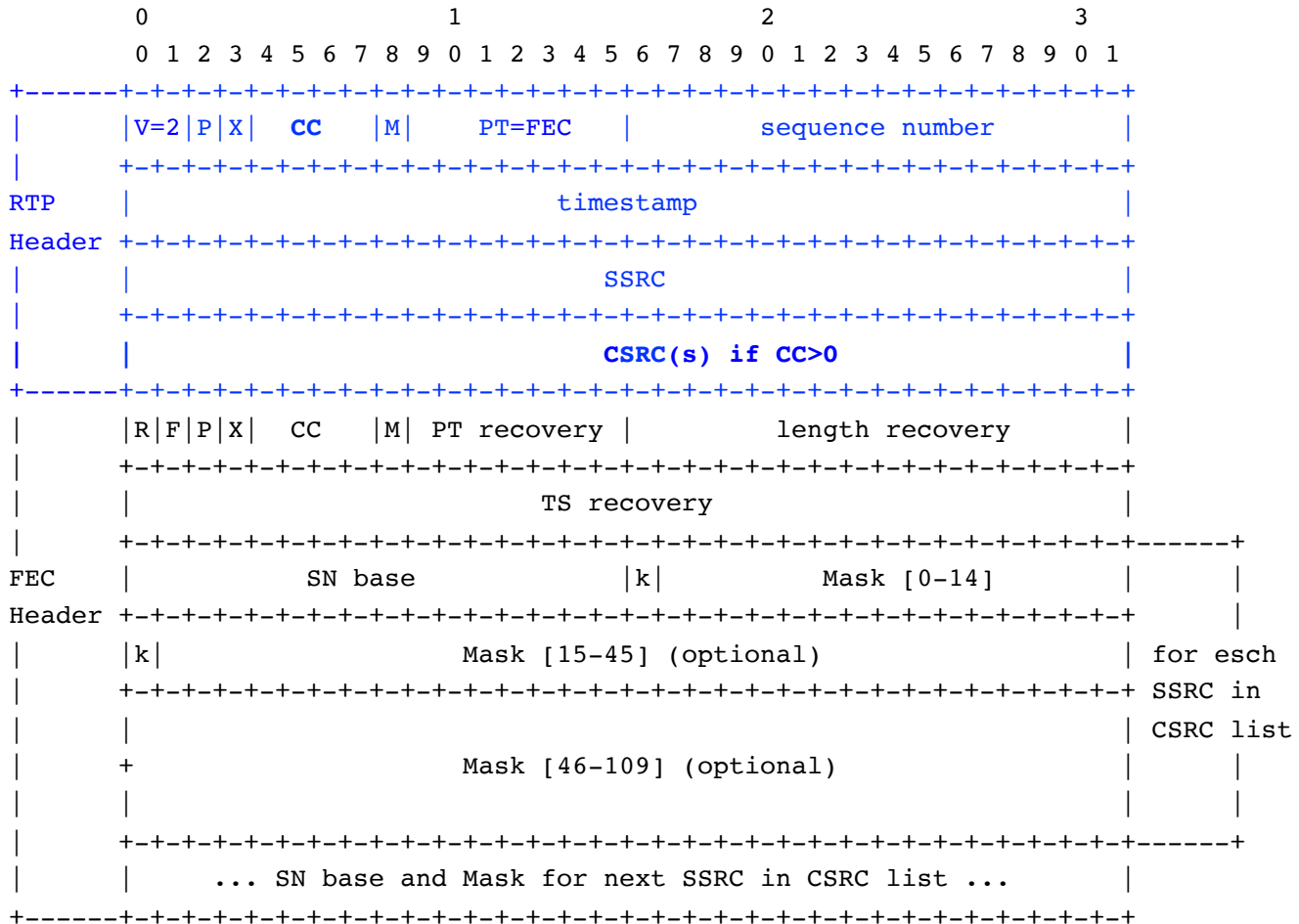
- SSRC count/list moved to RTP Header
 - Reduces header overhead by 32 bits
- Removed final K bit in final Mask[46-108]
 - Expands mask to cover 110 packets [0-109]
- Specified order of FEC and SRTP operations
 - FEC after SRTP required for PERC

SSRC Count/List in -03

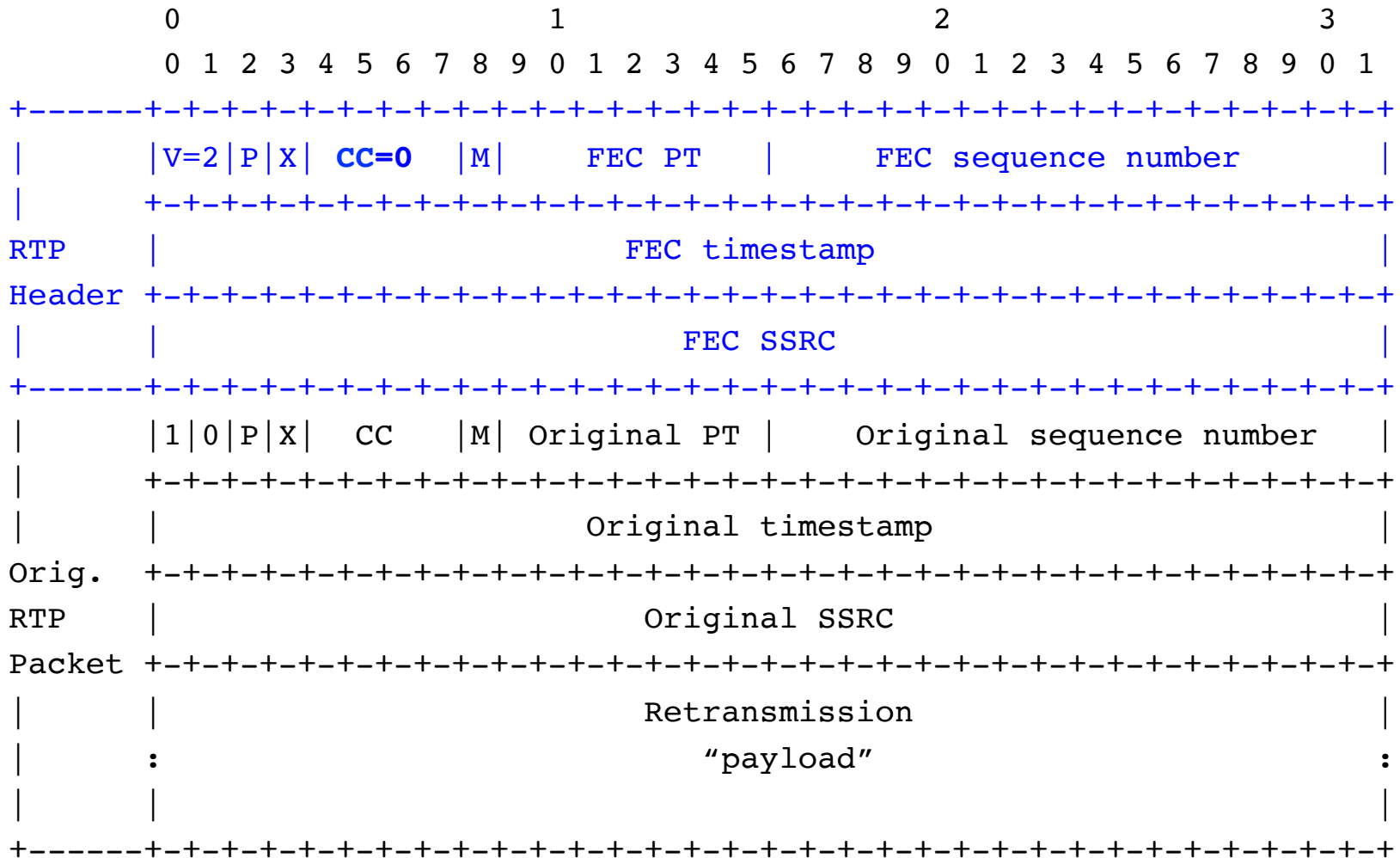
0



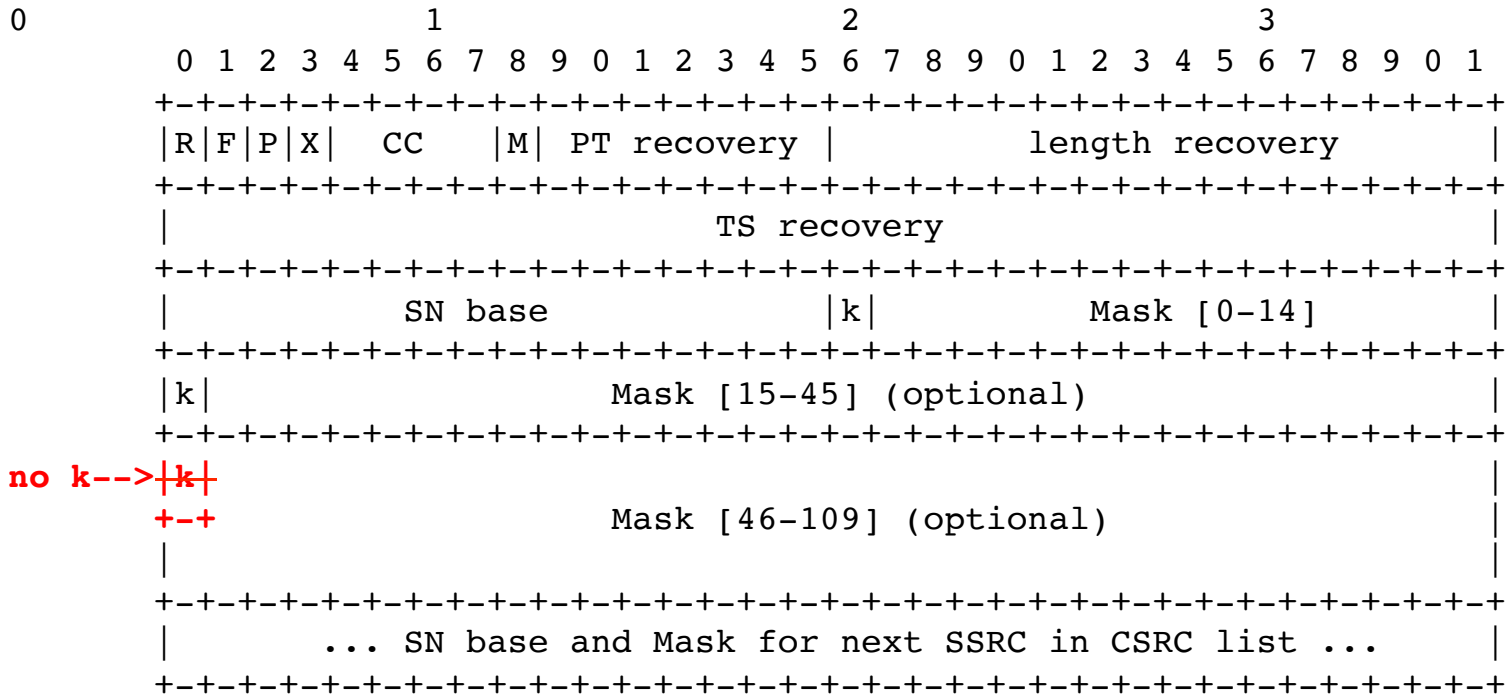
SSRC Count/List in -04



Retransmission Format in -03,04



No final K bit in 109-bit Mask



SRTP/FEC Order

- SRTP RFC 3711 defines default order as FEC then SRTP, unless specified differently.
- For PERC, this imposes E2E not HBH FEC.
- HBH FEC is more desirable to allow different FEC rates for each participant in each direction.
- FEC after SRTP allows HBH FEC.
- FLEX FEC specifies the order as FEC after SRTP.

Open Issues & Next Steps

- Protection and Recovery Procedures need review, and possibly some editorial cleanup.
- Otherwise ready for WGLC