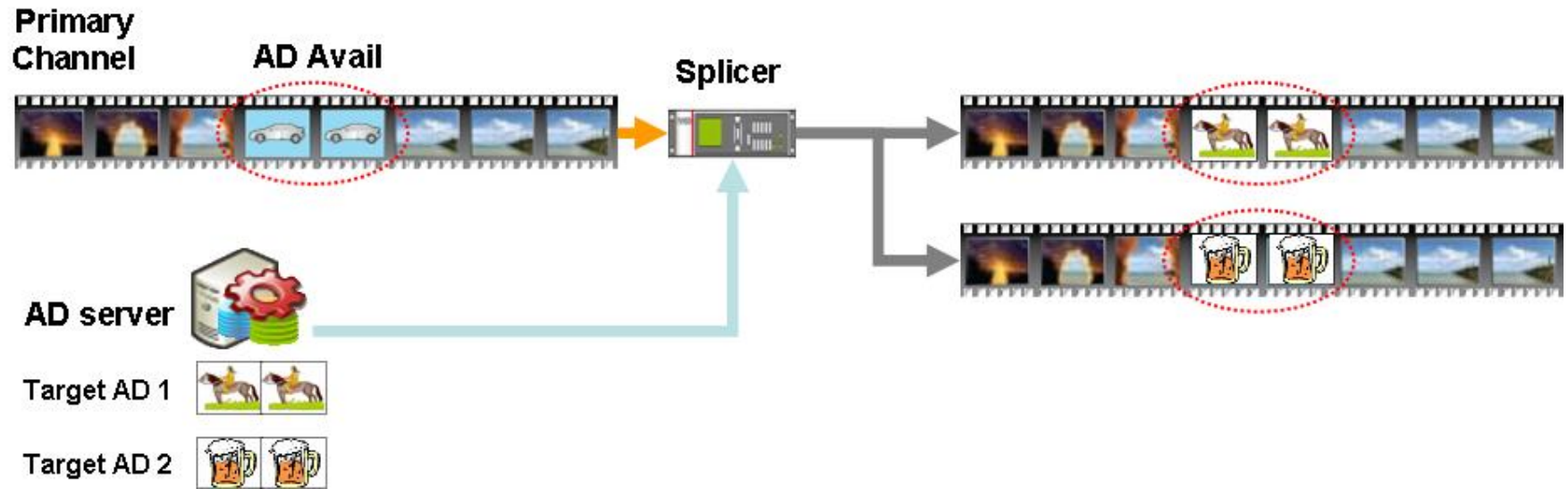


# RTP Splicing Notificaiton

draft-xia-avtext-rtp-notification-01

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# RTP Splicing

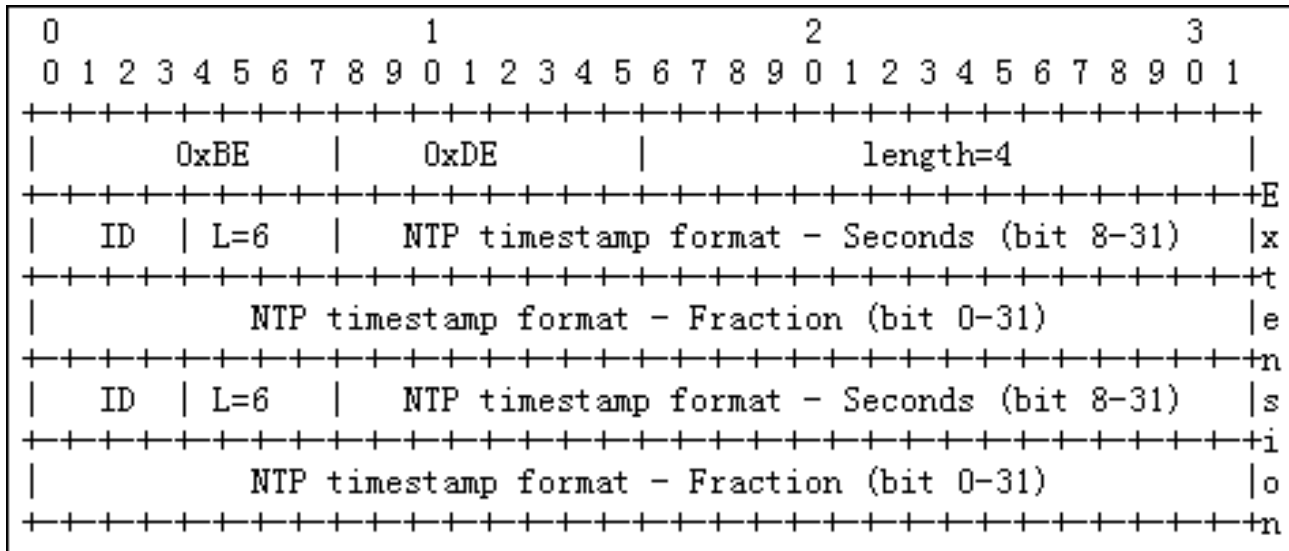


- [RFC6828] describes splicing used in RTP applications: [Mixer](#) as the splicer.
- [RFC6828] doesn't define any mechanisms to convey Splicing Metadata ( [when to start and end the splicing](#) )
- There's no other mechanisms to signal this metadata, except [SCTE35].
  - But MPEG2-TS is not always support in all RTP sessions
  - The mixer must have the ability to decode MPEG2-TS packets.

# RTP Splicing Notification Overview

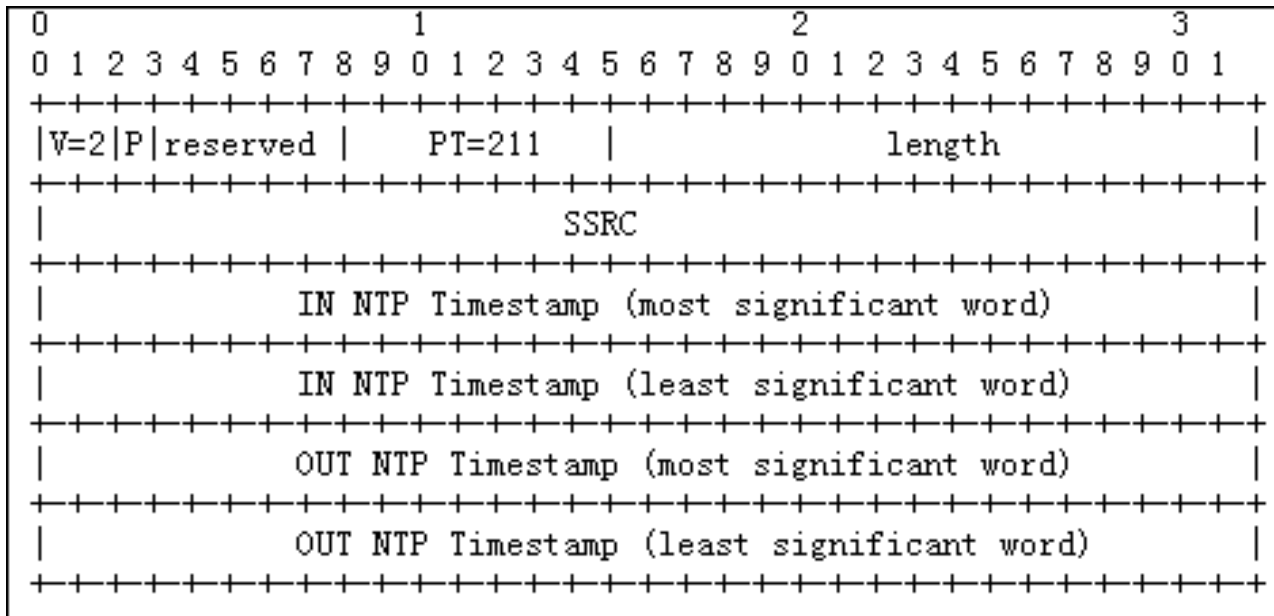
- Extending RTP to contain RTP splicing metadata
  - Splicing In NTP timestamps
  - Splicing Out NTP timestamps
- 2 Extensions introduced
  - RTP header extension
  - RTCP Splicing Notification Message (SNM)
- These extensions all apply to the main stream sent by the main RTP sender.

# RTP Header Extension



- Only filled in some RTP packets, in advance of the splicing starting.
- Splicer must not forward the extension to receivers if the receivers don't want to receive the formation.
- But some middle boxes which don't support the header extension may strip these extensions.

# RTCP SNM



- Solving the problem that RTP header extension may be stripped out.
- RTCP SNM is recommended to be sent in compound RTCP packets and follow the regular RTCP timing rules.
- Splicer must not forward the extension to receivers if the receivers don't want to receive the formation.

# Next Step

- Any questions?
- Interesting enough to be adopted as a new work item?