Frame Priority Marking RTP Header Extension:
draft-even-avtcore-priority-markings-01

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I E T F

Priority flags for frame marking for non-scalable streams

- Adds priority values for the non-scalable streams droppable frames

  - Applicable to a single RTP stream and not for comparing between multiple streams.

- Propose an update to the frame marking header extension in draft-ietf-avtext-framemarking.

- Allow the middle box to discard part or all the discardable frames as marked by the encoder. Provide more options for changing the bit rate on congestion.

- Allow differentiation between referenced and non referenced B-frames. Drop first non referenced B frames.

- Dropping P frames that are closer to the end of GOP is better than dropping one at the beginning. Can be marked as droppable with lowest priority.

Priority flags for frame marking for non-scalable streams

- Suggest adding two bits from the 4 MUST be zero bits when 00 is the highest drop priority and 11 is the lowest. This works even if priority is present but not supported by the middlebox.

- Does not break any interoperability with the current frame marking proposal.

Next steps

- Asking the WG to adopt this work