

Frame Priority Marking RTP Header
Extension:
draft-even-avtcore-priority-
markings-02

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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.
- 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.
- By monitoring the RTP stream and the Frame Marking a middle box can estimate how many RTP packets are in each 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