

Title: Change to the limit on CPB Removal Rate

Status: Input Document to JVT

Purpose: Proposal

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1 Description of the Problem

The Maximum Removal Rate constraint in section C.1.1.3 imposes a minimum interval between the removal of two consecutive pictures from the Compressed Picture Buffer. The current limit unnecessarily limits flexibility in setting CPB removal times. For instance, for 525 line standard definition material in level 3, it would be required to remove each frame-coded picture after 1/30 of a second and each field-coded picture after 1/60 of a second.

2 Proposed Solution

We propose to double the maximum rate of removal. This can be accomplished by replacing the Maximum Removal Rate constraint with the following. Only the word “half” has been added.

- **Maximum Removal Rate.** The difference between consecutive removal times, $t_i(n) - t_i(n-1)$, shall not be less than **half** the ratio of the number of macroblocks in picture n to the maximum sample processing rate for the bitstream's level in macroblocks per second (see subclause A.3.1).

JVT Patent Disclosure Form

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Joint Video Coding Experts Group - *Patent Disclosure Form*

(Typically one per contribution and one per Standard | Recommendation)

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