

**Joint Video Experts Team (JVET)
of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC
29/WG 11**

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Title: AHG9: Miscellaneous VVC changes on neural-network post-filter SEI messages

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Abstract

This input document proposes miscellaneous items for the VVC text on the neural-network post-filter characteristics (NNPFC) and activation (NNPFA) SEI messages. The proposed changes are relative to JVET-AD2005. The following items are proposed:

Allowing multiple NNPFC and NNPFA SEI messages with different content in the same picture unit by excluding NNPFC and NNPFA SEI messages from the existing constraint in JVET-AD2005, subclause D.3.1.

Depending on the outcome of JVE0048, item 5, the NNPFA SEI message is constrained in a manner that the payload shall be identical for the same nnpfa_target_id value, or an NNPFA SEI message cancelling the previous NNPFA SEI message followed by an NNPFA SEI with the same nnpfa_target_id for activating an NNPF are allowed for the same picture unit.

Constraining the repeated inference to generate interpolated pictures up to the end of the bitstream only to NNPFs that perform only picture rate upsampling.

Correcting the index range in input picture assignment for repeated inference at the end of a bitstream: it is proposed to remove "- j" from "When numInputPics is greater than 1, the following applies for each value of i in the range of j + 1 to numInputPics - j - 1, inclusive, in increasing order of i:".

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ABSTRACT

MEETING NOTES

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Comments

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MEETING NOTES

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1 Summary

MEETING NOTES

[JVET-AE0049](#) AHG9: Miscellaneous VVC changes on neural-network post-filter SEI messages [M. M. Hannuksela, F. Cricri, M. Santamaria (Nokia)]

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