

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

Document: JVET-AD0151

MPEG: m62811

30th Meeting, Antalya, TR, 21-28 April 2023

Title: AHG9: On output picture design in NNPFC SEI message

Status: Input document to JVET

Purpose: Proposal

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Abstract

It is asserted that the current text related to input picture and corresponding output picture (i.e., related to syntax element `nnpfc_input_pic_output_flag[ i ]`) is not clear, particularly when the value of that syntax element is equal to 0. Furthermore, it is also asserted that the current design of NNPFC SEI message related to signalling of output picture should be either modified to make it more flexible such that it is possible for an NNPF to have more than one output picture when it takes more than one input picture, regardless its purpose or be described clearer regarding which input picture corresponds to the output picture when the purpose of the NNPF does not include picture rate upsampling.

This contribution has the following proposals:

Proposal 1: add a note to describe / clarify the notion of output picture and corresponding input picture as follows:

Input picture that has a corresponding picture outputted from NNPF filtering process may be replaced by the output picture in the picture bitstream after the filtering process.

Input picture that has no corresponding picture outputted from NNPF filtering process is present in the picture stream after them filtering process.

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JVET-AD0151 AHG9: On output picture design in NNFC SEI message [Hendry, J. Nam, H. Jang, S. Kim, J. Lim (LGE)]

Hendry, J. Nam, H. Jang, S. Kim, J. Lim, "AHG9: On output picture design in NNPFCE SEI message", JVET-AD0151, 30th Meeting: Antalya, TR, April 2023.