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Title: [AHG9] On NNPF Application Purpose

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Purpose: Proposal

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Source: Sharp

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Abstract

Some modifications are proposed to the Neural-Network Post-Filter Characteristics SEI Message related to the application determined purpose. Following is proposed:

Proposal 1: It is proposed to signal a new syntax element `nnpfc_application_purpose_tag_uri` when `nnpfc_purpose` is equal to 0 (i.e. when the NNPF may be used as determined by the application) to provide more details about the application-specific purpose.

Proposal 2: It is proposed to signal one bit in the `nnpfc_purpose` syntax element to specify additional purpose of the NNPF as determined by the application, for use in combination with other pre-defined NNPF usages.

Introduction

Additional SEI messages for VSEI [1] specifies the syntax and semantics for Neural network post-filter characteristics (NNPFC) SEI message and for neural-network post-filter activation SEI message. Neural network post-filter characteristics SEI message specifies a neural network that may be used as a post-processing filter. The use of specified post-processing filters for specific pictures is indicated with neural-network post-filter activation SEI messages.

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http://vexpertise.stbit.ru/meeting-notes/source/meeting_31_ae



Decision: Include in “TuC for VSEI”, with an additional flag.

CITATION

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