<del>2023-05-</del>1

ISO/IEC-23001-11:2023/AMDPRF Amd 1:2023(E

ISO/IEC-JTC1\_JTC1\_/SC-\_2

Secretariat:-JIS

Date: 2024-05-09

Information technology — MPEG systems technologies —

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## iTeh Standards

### Part 11: Energy-efficient media consumption (green metadata)— Amendment

ISO/IEC 23001-11:2023/PRF Amd 1

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<u>AMENDMENT</u>1: Energy-efficient media consumption (green metadata) for EVC

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, Information technology, Subcommittee SC 29, Coding of audio, picture, multimedia and hypermedia information.

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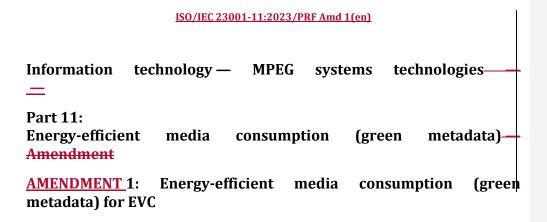
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6.2.1

Replace the following in subclause 6.2.1 ("General"):

With respect to the functional architecture in Figure-1, the green-metadata generator provides CMs that indicate the picture-decoding complexity of an AVC, HEVC or VVC bitstream to the decoder.

with<mark>:</mark>

With respect to the functional architecture in Figure-1, the green-metadata generator provides CMs that indicate the picture-decoding complexity of an AVC, HEVC, VVC or EVC bitstream to the decoder.

### Document Preview

6.2.2

Add the following at the end of <u>the subclause <del>6.2.2 ("Syntax"):</del> EC</u> 23001-11:2023/PRF Amd 1

The syntax for the EVC CMs is described in Table-X.1-: 0/d88bb285-d4a8-4e5e-8f95-aa7fa10a699b/iso-iec-23001-11-2023-prf-amd-1

#### Table-X.1- — Syntax for the HEVC CMs

period_type	u(8)
<pre>if (profile_idc == 0) {</pre>	_
if (period_type = = 0    period_type == 2) {	_
num_non_zero_4_cus	uk(v)
num_non_zero_8_cus	uk(v)
num_non_zero_16_cus	uk(v)
num_non_zero_32_cus	uk(v)
num_non_zero_64_cus	uk(v)
portion_fractional_prediction_sample	u(8)
<pre>} else if (period_type = = 1    period_type == 3) {</pre>	_
num_count	u(16)
<pre>for (t=0; t<num_count; )="" pre="" t++="" {<=""></num_count;></pre>	_

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<pre>num_non_zero_4_cus [t]</pre>	uk(v)
num _non_zero_8_cus [t]	uk(v)
num _non_zero_16_cus [t]	uk(v)
num _non_zero_32_cus [t]	uk(v)
num _non_zero_64_cus [t]	uk(v)
<pre>portion_fractional_prediction_sample [t]</pre>	u(8)
}	_
}	_
else if (profile_idc ==1) {	_
if (period_type = = 0    period_type == 2) {	_
num_non_zero_samples	uk(v)
num_affine_samples	uk(v)
num_dmvr_samples	uk(v)
num_alf_samples	uk(v)
<pre>num_deblocking_filter_samples</pre>	uk(v)
num_htdf_samples	uk(v)
<pre>} else if (period_type = = 1    period_type == 3) {</pre>	
num_count (https://standard	u (8)
for (t=0; t <num_count; )="" t++="" td="" {<=""><td></td></num_count;>	
num_non_zero_samples [t]	uk(v)
num_samples [t]	uk (v)
num_dmvr_samples [t]	uk(v)
num_alf_samples [t] ISO/IEC 23001-11:2023/P	RF _uk (v)
num_deblocking_filter_samples [t]	05 uk(v)

#### 6.2.4<mark>.4</mark>

Add the following after the end of new subclause after subclause 6.2.4.3 ("VVC semantics"):

#### 6.2.4.4—\_EVC Semantics

#### 6.2.4.4.1–\_General

As EVC Baseline profile and Main profile share almost no tools and the methods used for partition of the pictures are not same, the profile the CVS conforming to is used to decide the set of syntax elements to describe the complexity metrics to be applied to each CVS. In addition, As the largest size of picture is indicated by the level the CVS is conformed to, the length of the syntax elements indicating the number of pixels and coding

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