|  |  |
| --- | --- |
| **Joint Collaborative Team on Video Coding (JCT-VC)**  **of ITU-T SG 16 WP 3 and ISO/IEC JTC 1/SC 29/WG 11**  40th Meeting: by teleconference, 24 June – 1 July 2020 | Document: JCTVC-AN1008-v1 |

|  |  |  |  |
| --- | --- | --- | --- |
| *Title:* | **Usage of video signal type code points (Draft 1 for version 3)** | | |
| *Status:* | Output document approved by JCT-VC | | |
| *Purpose:* | Draft text | | |
| *Author(s) or Contact(s):* | W. Husak  G. J. Sullivan  Y. Syed  A. Tourapis (editors)] | Email: | garysull@microsoft.com |
| *Source:* | Editors | | |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Abstract

This document contains draft revisions for a future third edition of ITU-T H.Sup19 | ISO/IEC 23091-4, in the form of a list of changes to the text of ISO/IEC 23091-4.

# Changes to the text

# Foreword

Replace the description of the current edition with the following:

This document was prepared by ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information* in collaboration with ITU-T. The technically identical text is published as ITU-T Series H Supplement 19 (xx/202x).

This third edition cancels and replaces the second edition (ISO/IEC TR 23091-4:2020), which has been revised to improve clarity and terminology and to correct an error in the value of the registration identifier for the MasteringDisplay​Minimum​Luminance parameter of SMPTE ST 2067-21 for the BT709x100n05 tag combination.

# Subclause 3.10

Replace 3.10 with the following:

**3.10**

**full range**

range in a fixed-point (integer) representation such that the active video range spans the full range of values that could be expressed with that bit depth

# Subclause 3.14

Replace 3.14 with the following:

3.14

narrow range

range in a fixed-point (integer) representation such that the active video range does not span the full range of values that could be expressed with that bit depth, although the remaining range could potentially be used for undershoot or overshoot processing artefacts and sync

Note 1 to entry: Narrow range is, in some applications, referred to by synonyms such as: “limited range”, “video range”, “legal range”, “SMPTE range” or “standard range”.

# Subclause 7.2.1

In 7.2.1, replace “SMPTE ST 2067-21:2016, Annex C” with “SMPTE ST 2067-21”.

# Subclause 7.2.2, Table 3

In Table 3, replace “4:2:0 subsampled chroma location type” with “4:2:0 chroma location type”.

# Subclause 7.2.2, Table 4

In Table 4, replace “(share the same code point since their values are identical)” with “(share the same code point since their primaries are identical)”.

# Subclause 7.3.2

In 7.3.2, replace “In the capture and production domains, the MDCV information can be carried in an MXF wrapper using Generic Picture Essence descriptor as described by SMPTE ST 2067-21.” with “In the capture and production domains, the MDCV information can be carried in an MXF wrapper using a generic picture essence descriptor as specified by SMPTE ST 2067-21.”

# Subclause 7.3.2, Tables 10 and 11

In Tables 10 and 11, consistently use curly brackets “{…}” around all colour primaries pair expressions.

# Subclause 7.3.2, Table 11

In Table 11, change “Max/min\_display\_mastering\_luminance” to “max/min\_display\_mastering\_luminance”

# Subclause 7.3.2, Table 11

In Table 11, in the row for MasteringDisplay​Minimum​Luminance, replace “urn:smpte:ul:060e2b34.0101010e.04200401.01030000” with “urn:smpte:ul:060e2b34.0101010e.04200401.01040000”.

# Annex B, Table B.1

In Annex B, Table B.1, replace the reference to “STD-B32 3.9” with a reference to “STD-B32 3.11”.

# Bibliography

In the Bibliography, replace:

[6] ARIB STD-B32 Version 3.9, *Video Coding, Audio Coding, and Multiplexing Specifications for Digital Broadcasting*

with

[6] ARIB STD-B32 Version 3.11, *Video Coding, Audio Coding, and Multiplexing Specifications for Digital Broadcasting*

# Bibliography

In the Bibliography, replace:

[38] SMPTE ST 2067-21:2016, *Interoperable Master Format — Application #2 Extended — Includes Access to Additional Content*

with

[38] SMPTE ST 2067-21, *Interoperable Master Format — Application #2E*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_