CE1 sub test B1 working draft on top of JCTVC-S1005

#### 7.3.8.8 Palette syntax

|  |  |
| --- | --- |
| … |  |
| if( maxPaletteRun > 0 ) { |  |
| **palette\_run\_msb\_id\_plus1** | ae(v) |
| if( palette\_run\_msb\_id\_plus1 > 1 ) { |  |
| if( scanPos && (1<< palette\_run \_msb\_id\_plus1) > MaxPaletteRun ) |  |
| **palette\_run\_to\_end\_flag** | ae(v) |
| if( !palette\_last\_run\_flag **)** |  |
| **palette\_run\_refinement\_bits** | ae(v) |
| } |  |
| } |  |
| … |  |

#### Palette mode semantics

**palette\_run\_refinement\_bits** specifies the refinement bits in the binary representation of paletteRun.

When palette\_run**\_**refinement\_bits is not present, it is inferred to be equal to 0.

**palette\_run\_to\_end\_flag** equal to 1 specifies that paletteRun is equal to MaxPaletteRun. palette\_ run\_to\_end\_flag equal to 0 specifies that paletteRun is not equal to MaxPaletteRun.

When palette\_run\_to\_end\_flag is not present, it is inferred to be equal to 0.

The variable paletteRun is derived as follows:

* If indexMax is greater than 0
* If palette\_run**\_**msb\_id\_plus1 is greater than 1,

If palette\_run\_to\_end\_flag is equal to 1,

paletteRun = MaxPaletteRun (7‑80)

Else

paletteRun = ( 1 << ( palette\_run\_msb\_id\_plus1 − 1 ) ) + palette\_run**\_**refinement\_bits (7‑80)

* Otherwise ( palette\_run\_msb\_id\_plus1 equal to 1 ) paletteRun is set to (palette\_run\_msb\_id\_plus1 – 1).
* Otherwise, paletteRun is set to ( nCbS \* nCbS – 1 ).

#### 9.3.3.1 General

Table 9‑38 – Syntax elements and associated binarizations

|  |  |  |  |
| --- | --- | --- | --- |
| palette\_coding( ) | … | … | … |
| palette\_run\_msb\_id\_plus1 | TR | cMax = Floor( Log2((MaxPaletteRun ) ) + 1, cRiceParam = 0 |
| palette\_run\_to\_end\_flag | FL | cMax = 1 |
| palette\_run\_refinement\_bits | TB | cMax = ((1<< palette\_run \_msb\_id\_plus1) >= MaxPaletteRun) ? MaxPaletteRun – (1 <<( palette\_run\_msb\_id\_plus1-1)) – 1: (1<< (palette\_run \_msb\_id\_plus1 – 1)) – 1 |
| … | … | … |

9.4.1.2.1 General

Table 9‑43 – Assignment of ctxInc to syntax elements with context coded bins

| **Syntax element** | **binIdx** | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **0** | **1** | **2** | **3** | **4** | **>= 5** |
| … | … | … | … | … | … | … |
| palette\_run\_msb\_id\_plus1 | (subclause 9.4.1.2.8) | | | | | |
| palette\_run\_to\_end\_flag | bypass | na | na | na | na | na |
| … | … | … | … | … | … | … |