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Information technology — JPEG 2000 image coding system: Interactivity tools, APIs and protocols

AMENDMENT 2: JPIP extensions

Technologies de l'information — Système de codage d'images JPEG 2000: Outils d'interactivité, interfaces de programmes d'application et protocoles

AMENDEMENT 2: Extensions JPIP

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

Information technology – JPEG 2000 image coding system: Interactivity tools, APIs and protocols

Amendment 2

JPIP extensions

1) Clause C.4.7

Rewrite the second sentence of the paragraph in C.4.7 that reads (with the changes underlined):

If the jpm-context parameter appears in a request without a Frame Size request (fsiz) then the Frame Size values fx and fy are set to the page width and page height. If the jpm-context parameter appears in a request without a Region Size request (rsiz) then the Region Size values ~~rx~~ sx and ~~ry~~ sy are set to the frame size values fx and fy (after fx and fy have been set to the page width and height if necessary).

2) Clause C.4.11

Add the following new clause:

C.4.11 Multi-component transformation (MCT) Resolution Value

```
mctres = "mctres" "=" UINT
```

This field specifies the desired multi-component transformation resolution level. This field is only applicable if for all tile-components, exactly one of the multi-component transformations that are applied on this tile-component (and iteratively on the resulting intermediate components to create generated components) is a multi-component wavelet-transformation. It shall not be used otherwise. If this field is not present, it will be assumed that the full resolution representation of the image data is desired. The full number of resolution levels is one more than the number of wavelet transform levels N_L in the multi-component transformation, given by $Tmcc^i$ (see Table A.39 in ITU-T Rec. T.801 | ISO/IEC 15444-2). For full resolution, this field should be set to 1. For half resolution, the field should be set to 2, for quarter resolution, the field should be set to 3, etc. If the value of mctres exceeds $N_L + 1$ for one tile or codestream, the lowest available resolution of that tile or codestream shall be transmitted. The same value of mctres shall apply simultaneously to all multi-component wavelet transformations found in the codestream(s).

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