



Information technology — JPEG 2000 image coding system: Core coding system — Part 1:

TECHNICAL CORRIGENDUM 4

*Technologies de l'information — Système de codage d'images JPEG 2000: Système de codage de noyau —
Partie 1:*

RECTIFICATIF TECHNIQUE 4

Technical Corrigendum 4 to ISO/IEC 15444-1:2004 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information Technology*, Subcommittee SC 29, *Coding of Audio, Picture, Multimedia and Hypermedia Information*.

1) In subclause A.2 (Table A.2, 16th to 21st row) change

Pointer marker segments	TLM	0xFF55	optional	not allowed
Tile-part lengths	PLM	0xFF57	optional	not allowed
Packet length, main header	PLT	0xFF58	not allowed	optional
Packet length, tile-part header	PPM	0xFF60	optional	not allowed
Packed packet headers, main header ^{c)}	PPT	0xFF61	not allowed	optional
Packed packet headers, tile-part header ^{c)}	TLM	0xFF55	optional	not allowed

to

Pointer marker segments				
Tile-part lengths	TLM	0xFF55	optional	not allowed
Packet length, main header	PLM	0xFF57	optional	not allowed
Packet length, tile-part header	PLT	0xFF58	not allowed	optional
Packed packet headers, main header ^{c)}	PPM	0xFF60	optional	not allowed
Packed packet headers, tile-part header ^{c)}	PPT	0xFF61	not allowed	optional

2) In subclause B.3 (Figure B.3, description of sample coordinate) change

For (XRsize, YRsize) = (3,2):

$$(x_0, y_0) = \left(\left\lceil \frac{3}{2} \right\rceil, \left\lceil \frac{2}{2} \right\rceil \right) = (1, 1)$$

to

For (XRsize, YRsize) = (3,2):

$$(x_0, y_0) = \left(\left\lfloor \frac{3}{2} \right\rfloor, \left\lfloor \frac{2}{2} \right\rfloor \right) = (1, 1)$$

3) In subclause B.3 (Equation B-6) change

$$p = \text{mod}(t, \text{numXtiles}) \qquad q = \left\lceil \frac{t}{\text{numXtiles}} \right\rceil$$

to

$$p = \text{mod}(t, \text{numXtiles}) \qquad q = \left\lfloor \frac{t}{\text{numXtiles}} \right\rfloor$$

4) In subclause C.2.4 (Figure C.7, 2nd conditional symbol) change

"A < Qe(I(CX))"

to

"A < Qe(I(CX))?"

5) In subclause C.2.7 (Figure C.9, 2nd generic processing step) change

"C = C AND 0x7FFFFFFF?"

to

"C = C AND 0x7FFFFFFF"

6) In subclause C.2.7 (Figure C.9, 4th generic processing step on the right side) change

"BP = B + 1
B = C >> 20
C = C AND 0xFFFF
CT = 7"

to

"BP = B + 1
B = C >> 20
C = C AND 0xFFFF
CT = 7"