INTERNATIONAL STANDARD ISO/IEC 15444-9:2005
TECHNICAL CORRIGENDUM 1

Published 2007-08-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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Information technology — JPEG 2000 image coding system: Interactivity tools, APIs and protocols

TECHNICAL CORRIGENDUM 1

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

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 15444-9:2005 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*, in collaboration with ITU-T. The identical text is published as ITU-T Rec. T.808 (2005)/Cor.1 (01/2007).

ICS 35.040 **Ref. No. ISO/IEC 15444-9:2005/Cor.1:2007(E)**

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INTERNATIONAL STANDARD
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1) Annex A.3.2.1

Add the following note at the end of the clause:

NOTE – For the sake of efficiency when serving an image containing PPM markers, a server may transcode the packed packet headers in the main header into the tile headers (PPT markers). Otherwise, a client would require tile-part length markers (TLM) to be sent. The server may alternatively transcode the image (transparently to the client) in such a way as to avoid the use of packed packet headers altogether.

2) Annex A.3.3

Replace the sentence:

This data bin may be formed from a legal codestream, by concatenating all marker segments except SOT and POC in all tile-part headers for tile *n*.

with:

This data bin may be formed from a legal codestream, by concatenating all marker segments except SOT in all tile-part headers for tile *n*.

NOTE 1 – POC marker segments may also be removed as they are not required by a typical JPIP client. However, a server might need to include the POC markers for a client application that was to output a JPEG 2000 file with the same progression order as the original image available at the server.

A server may send data in any order, but must send a tile header data bin for a tile even if the tile header is empty.

NOTE 2 – A client that receives image data for a tile but has not yet received its tile header should not assume that the tile header is empty and attempt to decode the data. It might be beneficial for certain clients to receive the tile header bin in advance of the tile data bin.

3) Annex A.3.6.1

Add the following sentence at the end of the clause:

A server is required to send at least the metadata bin with bin Id 0, even if no metadata is present. In this case, the metabin #0 will be empty.

NOTE 2 – A client should not assume that no metadata is available if it has not yet received any metadata bin. It might be beneficial for certain clients to receive the metadata bin with bin Id 0 in advance to all other bins.

4) Annex C.3.4

Add the following note at the end of the clause:

NOTE – The combination of "wait = yes" with "cclose=*" is not recommended. If this situation is encountered, the application can decide which of the two takes priority.

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5) Annex C.5.1

Replace the following sentence at the end of the first paragraph:

Where the server is aware of additional relevant metadata elements, it may deliver these as well.

with the following note:

NOTE – The list of boxes defined in this clause is not exhaustive. Additional boxes may be required to decode the requested view window within the logical target correctly.

6) Annex C.7.2

Add the following note at the end of the clause:

NOTE – The combination of "wait = yes" with "cclose=*" is not recommended. If this situation is encountered, the application can decide which of the two takes priority.

7) Annex C.8.1.3

The following sentence should be added to the beginning of the first paragraph:

Implicit bin-descriptors are only applicable to JPP-stream requests.

8) Annex C.10.2.3

Change the contents of the boxes "Use unmodified value" and "Use modified value" of Figure C.3 as follows:

Change:

Use unmodified value

priority[i] = spec[i].APPROX + spec[i].PREC

to:

Use unmodified value

priority[i] = spec[i].APPROX + 256 – spec[i].PREC

Change:

Use modified value

priority[i] = 1 + spec[i].PREC

to:

Use modified value

priority[i] = 257 – spec[i].PREC

The body of the text shall remain unaltered.

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