



INTERNATIONAL STANDARD ISO/IEC 11172-2:1993
TECHNICAL CORRIGENDUM 2

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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Information technology — Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s —

Part 2: Video

TECHNICAL CORRIGENDUM 2

Technologies de l'information — Codage de l'image animée et du son associé pour les supports de stockage numérique jusqu'à environ 1,5 Mbit/s —

Partie 2: Vidéo

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to International Standard ISO/IEC 11172-2:1993 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

1) Replace subclause 2.4.3.2 (page 25, line 38) by:

“

The value for intra_quantizer_matrix[0] shall always be 8.

”.

2) Replace subclause 2.4.3.6 (page 30, line 2) by:

“
If macroblock_pattern is zero, cbp=0.
”.

3) Replace subclause 2.4.3.7 (page 30, line 25) by:

“
The number of bits in the following dct_dc_differential code, dct_dc_size_luminance, is derived according to the VLC table B.5a.
”.

4) Replace subclause 2.4.3.7 (page 30, line 29) by:

“
The number of bits in the following dct_dc_differential code, dct_dc_size_chrominance, is derived according to the VLC table B.5b.
”.

5) Replace subclause 2.4.3.7 (page 30, line 32) by:

“
If dct_dc_size_luminance or dct_dc_size_chrominance (as appropriate) is zero, then dct_dc_differential is not present in the bitstream.
”.

6) Replace subclause 2.4.3.7 (page 30, line 35) by:

“
If dct_dc_size_luminance or dct_dc_size_chrominance (as appropriate) is greater than zero, then dct_zz[0] is computed as follows from dct_dc_differential:
”.

7) Replace subclause 2.4.3.7 (page 30, line 37-43) by:

“
For luminance blocks:
 if (dct_dc_differential & (1 << (dct_dc_size_luminance-1))) dct_zz[0] = dct_dc_differential ;
 else dct_zz[0] = ((-1) << (dct_dc_size_luminance)) | (dct_dc_differential+1) ;

For chrominance blocks:
 if (dct_dc_differential & (1 << (dct_dc_size_chrominance-1))) dct_zz[0] = dct_dc_differential ;
 else dct_zz[0] = ((-1) << (dct_dc_size_chrominance)) | (dct_dc_differential+1) ;
”.

8) Replace subclause 2.4.3.7 (page 30, table) by:

“
example for dct_dc_size_luminance = 3
”.

9) Replace subclause 2.4.4.4 (page 38, lines 4-5) by:

“
In B-pictures, the skipped macroblock is defined to have the same direction of prediction (forward, backward, or bidirectional) as the prior macroblock, differential motion vectors equal to zero, and no DCT coefficients.
”.

10) Replace subclause D.6.5.2 (page 99, line 39) by:

“
Whereas in P-pictures skipped macroblocks have a motion vector equal to zero, in B-pictures skipped macroblocks have the same motion vector and the same direction of prediction (forward, backward, or bidirectional) as the previous macroblock, which cannot be intra coded.
”.