INTERNATIONAL STANDARD ISO/IEC 13818-1:2007
TECHNICAL CORRIGENDUM 3

Published 2011-04-15

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Generic coding of moving pictures and associated audio information: Systems

TECHNICAL CORRIGENDUM 3: Corrections concerning VBV buffer size, semantics of splice_type and removal rate from transport buffer for ITU-T H.264 ISO/IEC 14496-10 advanced video coding

Technologies de l'information — Codage générique des images animées et du son associé: Systèmes

RECTIFICATIF TECHNIQUE 3: Corrections concernant la taille du tampon VBV, la sémantique du type à collure et le taux de suppression du tampon de transport pour le videocodage avancé UIT-T H.264 ISO/CEI 14496-10

Technical Corrigendum 3 to ISO/IEC 13818-1:2007 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 Rec. ITU-T H.222.0 (2006)/Cor.3 (12/2009).

ICS 35.040 **Ref. No. ISO/IEC 13818-1:2007/Cor.3:2011(E)**

Published in Switzerland

Blank page

INTERNATIONAL STANDARD
RECOMMENDATION ITU-T

Information technology – Generic coding of moving pictures and associated audio information: Systems

Technical Corrigendum 3

Corrections concerning VBV buffer size, semantics of splice_type and removal rate from transport buffer for ITU-T H.264 | ISO/IEC 14496-10 advanced video coding

1) Subclause 2.4.2.3

In subclause 2.4.2.3, renumber Note 1 to Note 2, Note 2 to Note 3, Note 3 to Note 4 and add a new note after the following sentence to explain the difference in units between Rec. ITU-T H.262 | ISO/IEC 13818-2 and Rec. ITU-T H.222.0 | ISO/IEC 13818-1.

"Refer to Summary of Constrained Parameters in ISO/IEC 11172-2 and Table 8-14 of Rec. ITU-T H.262 | ISO/IEC 13818-2."

NOTE 1 – In the following equations, unit conversion should be implicitly performed as appropriate.

2) Subclause 2.4.3.5

a) Replace the semantics for splice_type in subclause 2.4.3.5 from:

splice_type – This is a 4-bit field. From the first occurrence of this field onwards, it shall have the same value in all the subsequent Transport Stream packets of the same PID in which it is present, until the packet in which the splice_countdown reaches zero (including this packet). If the elementary stream carried in that PID is not an ITU-T Rec. H.262 | ISO/IEC 13818-2 video stream, then this field shall have the value '0000'. If the elementary stream carried in that PID is an ITU-T Rec. H.262 | ISO/IEC 13818-2 video stream, then this field indicates the conditions that shall be respected by this elementary stream for splicing purposes. These conditions are defined as a function of profile, level and splice_type in Table 2-7 through Table 2-20.

to:

splice_type – This is a 4-bit field. From the first occurrence of this field onwards, it shall have the same value in all the subsequent Transport Stream packets of the same PID in which it is present, until the packet in which the splice_countdown reaches zero (including this packet). If the elementary stream carried in that PID is not an ITU-T Rec. H.262 | ISO/IEC 13818-2 video stream, then this field shall have the value '1111' (unspecified). If the elementary stream carried in that PID is an ITU-T Rec. H.262 | ISO/IEC 13818-2 video stream, then this field indicates the conditions that shall be respected by this elementary stream for splicing purposes. These conditions are defined as a function of profile, level and splice_type in Table 2-7 through Table 2-20.

b) Replace Tables 2-7 to 2-20 to indicate splice_type = 1111 is unspecified and user-defined range is 1100-1110.

3) Subclause 2.5.2.4

Add a note after the following sentence in subclause 2.5.2.4 to explain the difference in units between Rec. ITU-T H.262 | ISO/IEC 13818-2 and Rec. ITU-T H.222.0 | ISO/IEC 13818-1.

"The demultiplexer sends data to only one elementary stream buffer."

NOTE – In the following equations, unit conversion should be implicitly performed as appropriate.