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

AMENDMENT 3: Transport of scalable video over Rec. ITU-T H.222.0 | ISO/IEC 13818-1

TECHNICAL CORRIGENDUM 1

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

AMENDEMENT 3: Transport de vidéos extensibles sur Rec. UIT-T H.222.0 | ISO/CEI 13818-1

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 13818-1:2007/Amd.3:2009 was prepared by Joint Technical Committee ISO/IEC JTC 1, Information technology, Subcommittee SC 29, Coding of audio, picture, multimedia and hypermedia information. Please note that, exceptionnally, the identical text is published as Rec. ITU-T H.222.0 (2006)/Cor.4 (12/2009).
Technical Corrigendum 4

Corrections to Amendment 3 on transport of scalable video over Rec. ITU-T H.222.0 | ISO/IEC 13818-1

1) General

Replace all occurrences of 'AVC video sub-bitstream' with 'AVC video sub-bitstream of SVC'.

2) Subclause 2.14.3.5

a) Modify the definition of Rxₙ and add definition of Rbxₙ below Figure AMD3-I, after "EBSₙ is the size of elementary stream buffer EBₙ, measured in bytes", as follows:

- Rxₙ transfer rate from TBₙ to MBₙ as specified below
- Rbxₙ transfer rate from MBₙ to DRBₙ as specified below

b) In the section titled "TBₙ, MBₙ, EBₙ buffer management", add a new bullet point after the fifth bullet point, as follows:

- Transfer from TBₙ to MBₙ is applied as follows:
  - When there is no data in TBₙ then Rxₙ is equal to zero. Otherwise:
    $\text{Rx}_n = \text{bit\_rate}$

    where bit\_rate is $1.2 \times \text{BitRate}[\text{SchedSelIdx}]$ of data flow into the CPB for the byte stream format and BitRate[ SchedSelIdx ] is as defined in Annex E of ITU-T Rec. H.264 | ISO/IEC 14496-10 when NAL hrd\_parameters() is present in the VUI parameters of the SVC video sub-bitstream.

    NOTE 2 – Annex E also specifies default values for BitRate[ SchedSelIdx ] based on profile and level when NAL HRD parameters are not present in the VUI. The SVC video sub-bitstream level is determined by the level of AVC video stream resulting from re-assembling (up to) the associated video sub-bitstream n in elementary stream ESₙ.