INTERNATIONAL STANDARD ISO/IEC 14496-15:2004
TECHNICAL CORRIGENDUM 1

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INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

Information technology — Coding of audio-visual objects —

Part 15:
Advanced Video Coding (AVC) file format

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Codage des objets audiovisuels —

Partie 15: Format de fichier de codage vidéo avancé (AVC)

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 14496-15:2004 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information.*

In subclause 4.4.3.2, replace the entire section with:

```
// Sequence Entry
abstract class SampleGroupDescriptionEntry (unsigned int(32) grouping_type)
{
}

abstract class VisualSampleGroupEntry (unsigned int(32) grouping_type) extends
SampleGroupDescriptionEntry (grouping_type)
{
}
```

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```
abstract class AudioSampleGroupEntry (unsigned int(32) grouping_type) extends
SampleGroupDescriptionEntry (grouping_type)
{
}

abstract class HintSampleGroupEntry (unsigned int(32) grouping_type) extends
SampleGroupDescriptionEntry (grouping_type)
{
}

aligned(8) class SampleGroupDescriptionBox (unsigned int(32) handler_type)
   extends FullBox('sgpd', 0, 0){
   unsigned int(32) grouping_type;
   unsigned int(32) entry_count;
   int i;
   for (i = 1 ; i <= entry_count ; i++){
      switch (handler_type){
         case 'vide': // for video tracks
            VisualSampleGroupEntry (grouping_type);
            break;
         case 'soun': // for audio tracks
            AudioSampleGroupEntry(grouping_type);
            break;
         case 'hint': // for hint tracks
            HintSampleGroupEntry(grouping_type);
            break;
      }
   }
}
```

In subclause 5.3.12.1, replace the last paragraph with the following:

Layer and sub-sequences are represented in the AVC file format as Sample Group. An AVC file shall contain zero or one instance of a `SampleGroupBox` (per track) with a `grouping_type` equal to 'avll'. This `SampleGroupBox` instance represents the assignment of samples in a track to layers. An accompanying instance of the SampleGroupDescriptionBox with the same grouping type shall, if it exists, contain `AVCLayerEntry` sample group entries describing the layers. Similarly, an AVC file shall contain zero or one instance of a `SampleGroupBox` (per track) with a `grouping_type` equal to 'avss'. This `SampleGroupBox` instance represents the assignment of samples in a track to sub-sequences. An accompanying instance of the SampleGroupDescriptionBox with the same grouping type shall, if it exists, contain `AVCSubSequenceEntry` sample group entries describing the sub-sequences.

In subclause 5.3.12.2, correct header as follows:

Group Types: 'avss'
Container: Sample Group Description Box ('sgpd')
Mandatory: No
Quantity: Zero or more.

In section 5.3.12.3, correct header as follows:

Group Types: 'avll'
Container: Sample Group Description Box ('sgpd')
Mandatory: No
Quantity: Zero or more.

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