



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

Published 2006-02-15

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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)
{
}
```

ICS 35.040

Ref. No. ISO/IEC 14496-15:2004/Cor.1:2006(E)

© ISO/IEC 2006 – All rights reserved

Published in Switzerland

AVA Documents
Document Sharing Hub

```

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.