



INTERNATIONAL STANDARD ISO/IEC 14496-3:2009
TECHNICAL CORRIGENDUM 5

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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Information technology — Coding of audio-visual objects —

Part 3:

Audio

TECHNICAL CORRIGENDUM 5

Technologies de l'information — Codage des objets audiovisuels —

Partie 3: Codage audio

RECTIFICATIF TECHNIQUE 5

Technical Corrigendum 3 to ISO/IEC 14496-3:2009 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia*.

1 Changes to the text of ISO/IEC 14496-3:2009

In 4.5.2.7.5 replace

`"#if 1 /* 1024 FRAMING */`

`static float offset[8] = {0, 4, 8, 12, 16, 20, 24, 28};`

`#else /* 960 FRAMING */`

`static float offset[8] = {0, 4, 8, 11, 15, 19, 23, 26};`

`#endif"`

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With

```
"#if 1 /* 1024 FRAMING */
```

```
static float offset[9] = {0, 4, 8, 12, 16, 20, 24, 28, 32};
```

```
#else /* 960 FRAMING */
```

```
static float offset[9] = {0, 4, 8, 11, 15, 19, 23, 26, 30};
```

```
#endif".
```

And replace

```
"bottom = (int)(NUM_QMF_SUBSAMPLES/8*(int)(bottom*8/NUM_QMF_SUBSAMPLES));
```

```
top = (int)(NUM_QMF_SUBSAMPLES/8*(int)(top*8/NUM_QMF_SUBSAMPLES));"
```

with

```
"bottom = (int)(NUM_QMF_SUBSAMPLES/8.0f*(int)(bottom*8/NUM_QMF_SUBSAMPLES));
```

```
top = (int)(NUM_QMF_SUBSAMPLES/8.0f*(int)(top*8/NUM_QMF_SUBSAMPLES));".
```

And replace

```
"startSample = floor((float)
bottom/(FRAME_SIZE/8.0f))*(NUM_QMF_SUBSAMPLES)/8;"
```

with

```
"startSample = offset[(int) floor((float) bottom/(FRAME_SIZE/8.0f))];".
```

And replace

```
"stopSample = ceil ((float) top/(FRAME_SIZE/8.0f))*(NUM_QMF_SUBSAMPLES)/8;"
```

With

```
"stopSample = offset[(int) ceil((float) top/(FRAME_SIZE/8.0f))];".
```

And replace

```
"if(j > startSample && j%4 == 0){"
```

With

```
"if(j == offset[(int) floor((float) bottom/(FRAME_SIZE/8.0f)) + 1]){".
```