



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

Published 2015-03-15

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 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"
```

---

**ICS 35.040**

**Ref. No. ISO/IEC 14496-3:2009/Cor.5:2015(E)**

*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]){".
```