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

Published 2012-09-01

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 3

Technologies de l'information — Codage des objets audiovisuels —

Partie 3: Audio

RECTIFICATIF TECHNIQUE 3

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 information*.

In 12.3 Payloads for the audio object, replace Table 12.2:

Syntax	No. of bits	Mnemonics

lle_element()
{
for (ch=0;ch<channel_number;) {
if (is_channel_pair(ch)) {
lle_channel_pair_element();
ch += 2;
} else {
lle_single channel_element();
ch++;
}
}
}		

ICS 35.040 **Ref. No. ISO/IEC 14496-3:2009/Cor.3:2012(E)**

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Published in Switzerland

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with:

Syntax	No. of bits	Mnemonics

lle_element()
{
for (el=0;el<getNrOfElements(channelConfiguration);) {
switch(getNextElement(el, channelConfiguration)){
case LLE_SCE:
lle_single channel_element();
break;
case LLE_LFE:
lle_lfe channel_element();
break;
case LLE_CPE:
lle_channel_pair_element();
break;
}
el++;
}
}		

In 12.3 Payloads for the audio object, add at the end:

Table 12.9 — Syntax of lle_lfe_channel_element

Syntax	No. of bits	Mnemonics

lle_lfe_channel_element()
{
lle_individual_channel_stream(1);
}		

In 12.3 Payloads for the audio object, add at the end:

The functions getNrOfElements(channelConfiguration) and getNextElement(el, channelConfiguration) are defined as follows:

```
UINT32 getNrOfElements(channelConfiguration)

{

  UINT32 NrOfFixChannelConfigElements[7] = { 1, 1, 2, 3, 3, 4, 5 };


  if(channelConfiguration == 0){

    return num_front_channel_elements + num_side_channel_elements  +

           num_back_channel_elements  + num_lfe_channel_elements;

  } else {

    return NrOfFixChannelConfigElements[channelConfiguration - 1];
```


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