



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

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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 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
<pre>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++; } } }</pre>		

with:

Syntax	No. of bits	Mnemonics
<pre> 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++; } } </pre>		

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
<pre> lle_lfe_channel_element() { lle_individual_channel_stream(1); } </pre>		

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];
    }
}

```