



**INTERNATIONAL STANDARD ISO/IEC 13818-4:1998/Amd.3:2000**  
**TECHNICAL CORRIGENDUM 1**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
INTERNATIONAL ELECTROTECHNICAL COMMISSION • МЕЖДУНАРОДНАЯ ЭЛЕКТРОТЕХНИЧЕСКАЯ КОМИССИЯ • COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

**Information technology — Generic coding of moving pictures  
and associated audio information —**

**Part 4:  
Conformance testing**

**AMENDMENT 3: Additional audio conformance bitstreams**

**TECHNICAL CORRIGENDUM 1**

*Technologies de l'information — Codage générique des images animées et des informations sonores  
associées —*

*Partie 4: Essais de conformité*

*AMENDEMENT 3: Courants continus de bits supplémentaires pour la conformité sonore*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 to ISO/IEC 13818-4:1998/Amd.3:2000 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

In 4) (Change Table 2-10 in subclause 2.6.9.2 with), add replacement for Table 2-9 (Sine Sweeps),

“

**Table 2-9 – Sine Sweeps**

|                           | SIN1_fs | SIN2_fs | SIN3_fs |
|---------------------------|---------|---------|---------|
| Profile                   | Main    | LC      | SSR     |
| Bitrate                   | 40/64   | 40/64   | 40/64   |
| # single channel elements | 1       | 1       | 1       |
| # channel pair elements   | 0       | 0       | 0       |
| # LFE channels            | 0       | 0       | 0       |
| Prediction                | Yes     | No      | No      |
| window shape switching    | Yes     | No      | No      |

“

In 4) (Change Table 2-10 in subclause 2.6.9.2 with), replace Table 2-10 (Main Profile Bitstreams) with

”

**Table 2-10 – Main Profile Bitstreams**

|                                           | M1_fs | M2_fs  | M4_fs  | M5_fs   | M6_fs   | M7_fs   |
|-------------------------------------------|-------|--------|--------|---------|---------|---------|
| Bitrate                                   | 40/64 | 80/128 | 64/128 | 192/384 | 128/256 | 200/320 |
| # single channel elements                 | 1     | 0      | 0      | 1       | 1       | 1       |
| # channel pair elements                   | 0     | 1      | 1      | 2       | 1       | 2       |
| # LFE channels                            | 0     | 0      | 0      | 1       | 0       | 1       |
| # Dep coupling channels                   | 0     | 0      | 0      | 0       | 0       | 0       |
| # Indep Coupling Channels                 | 0     | 0      | 0      | 1       | 0       | 0       |
| Intensity                                 |       | Yes    | Yes    | Yes     | Yes     | Yes     |
| MS                                        |       | Yes    | Yes    | Yes     | Yes     | Yes     |
| Prediction                                | Yes   | Yes    | Yes    | Yes     | Yes     | Yes     |
| window shape switching                    | Yes   | Yes    |        |         |         | Yes     |
| Tns                                       |       | Yes    | Yes    | Yes     | Yes     | Yes     |
| pulse data                                |       |        |        |         |         |         |
| Arithmetic torture                        |       | 32,44  |        |         |         | Yes     |
| Nonmeaningful window_sequence transitions |       |        |        |         |         |         |
| Dynamic Range Control (DRC)               |       |        | Yes    | Yes     | Yes     |         |

”

In 5) (Change Table 2-11 in subclause 2.6.9.2 with), replace Table 2-11 (Low Complexity Profile Bitstreams) with

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Table 2-11 – Low Complexity Profile Bitstreams

|                                           | L1_fs | L2_fs | L3_fs | L4_fs | L5_fs  | L6_fs   | L7_fs                  | L8_fs     | L9_fs |
|-------------------------------------------|-------|-------|-------|-------|--------|---------|------------------------|-----------|-------|
| Bitrate                                   | 40/64 | 40/64 | 40/64 | 40/64 | 80/128 | 120/192 | 240 <sup>1)</sup> /384 | 1920/3072 | 40/64 |
| # single channel elements                 | 1     | 1     | 1     | 1     | 0      | 1       | 1                      | 16        | 1     |
| # channel pair elements                   | 0     | 0     | 0     | 0     | 1      | 1       | 2                      | 16        | 0     |
| # LFE channels                            | 0     | 0     | 0     | 0     | 0      | 0       | 1                      | 0         | 0     |
| # Dep coupling channels                   | 0     | 0     | 0     | 0     | 0      | 0       | 1                      | 0         | 0     |
| Data stream elements                      | Yes   | Yes   | Yes   | Yes   | Yes    | Yes     |                        |           |       |
| Intensity                                 |       |       |       |       | Yes    | Yes     | Yes                    | Yes       |       |
| MS                                        |       |       |       |       | Yes    | Yes     | Yes                    | Yes       |       |
| Window shape switching                    |       |       |       | Yes   |        |         |                        |           |       |
| Tns                                       |       |       |       | Yes   |        | Yes     | Yes                    | Yes       |       |
| Pulse data                                |       |       |       | Yes   |        |         |                        |           |       |
| Buffer test                               |       | Yes   |       |       |        |         |                        |           | Yes   |
| Arithmetic torture                        |       |       |       |       |        | 24-48   | Yes                    | 24-48     | 16    |
| Nonmeaningful window_sequence transitions |       |       | Yes   |       |        |         |                        |           |       |
| ADTS                                      |       |       |       |       |        |         |                        |           | Yes   |
| CRC                                       |       |       |       |       |        |         |                        |           | Yes   |

|                                           | L10_fs | L11_fs | L12_48            | L13_48            | L14_fs               | L15_fs  | L16_fs | L17_fs |
|-------------------------------------------|--------|--------|-------------------|-------------------|----------------------|---------|--------|--------|
| Bitrate                                   | 40/64  | 40/64  | variable          | variable          | 64/128 <sup>3)</sup> | 192/384 | 96/384 | 80/128 |
| # single channel elements                 | 1      | 1      | 1                 | 1                 | 0                    | 1       | 1      | 2      |
| # channel pair elements                   | 0      | 0      | 0                 | 0                 | 1                    | 2       | 1      | 0      |
| # LFE channels                            | 0      | 0      | 0                 | 0                 | 0                    | 1       | 0      | 0      |
| # Indep coupling channels                 | 0      | 0      | 0                 | 0                 | 0                    | 1       | 0      | 0      |
| Data stream elements                      | Yes    | Yes    |                   |                   |                      |         |        |        |
| Intensity                                 |        |        |                   |                   | Yes                  | Yes     | Yes    |        |
| MS                                        |        |        |                   |                   | Yes                  | Yes     | Yes    |        |
| window shape switching                    |        |        | Yes               | Yes               |                      |         |        |        |
| Tns                                       |        |        |                   |                   | Yes                  | Yes     | Yes    |        |
| pulse data                                |        |        | Yes               | Yes               |                      |         |        |        |
| Buffer test                               |        |        |                   |                   |                      |         |        |        |
| Arithmetic torture                        |        | 08-32  |                   |                   |                      |         |        |        |
| Nonmeaningful window_sequence transitions |        |        |                   |                   |                      |         |        |        |
| ADTS                                      |        |        | Yes <sup>2)</sup> | Yes <sup>2)</sup> |                      |         |        |        |
| CRC                                       |        |        | Yes               |                   |                      |         |        |        |
| DRC                                       |        |        |                   |                   | Yes                  | Yes     | Yes    |        |

<sup>1)</sup> for the test sequence with a sampling rate of 8 kHz, the bitrate is 235 kbit/s

<sup>2)</sup> The number of raw data blocks per ADTS frame varies in time.

<sup>3)</sup> for the test sequence with a sampling rate of 8 kHz, the bitrate is 67530 bit/s.

“

In 6) (Change Table 2-12 in subclause 2.6.9.2 with), replace Table 2-12 (SSR Profile Bitstreams) with

“

Table 2-12 – SSR Profile Bitstreams

|                                           | S1_fs | S2_fs            | S3_fs | S4_fs | S5_fs | S6_fs | S7_fs | S8_fs |
|-------------------------------------------|-------|------------------|-------|-------|-------|-------|-------|-------|
| Bitrate                                   | 40/64 | 40/64            | 40/64 | 40/64 | 40/64 | 40/64 | 40/64 | 40/64 |
| # single channel elements                 | 1     | 1                | 1     | 1     | 1     | 1     | 1     | 1     |
| # channel pair elements                   | 0     | 0                | 0     | 0     | 0     | 0     | 0     | 0     |
| # LFE channels                            | 0     | 0                | 0     | 0     | 0     | 0     | 0     | 0     |
| Data stream elements                      |       |                  |       |       | Yes   | Yes   | Yes   | Yes   |
| Intensity                                 |       |                  |       |       |       |       |       |       |
| MS                                        |       |                  |       |       |       |       |       |       |
| Gain Compensation enabled                 | Yes   | Yes              | Yes   |       |       |       |       |       |
| window shape switching                    | Yes   | Yes              | Yes   | Yes   |       |       |       |       |
| Tns                                       | Yes   | Yes              | Yes   | Yes   |       |       |       |       |
| pulse data                                |       | 08-12,<br>22, 24 | 08,11 | Yes   |       |       |       |       |
| Buffer test                               |       | 08-12,<br>22, 24 | 08,11 | Yes   |       |       |       |       |
| Arithmetic torture                        |       |                  |       |       | 32    | 32    | 44    |       |
| Bandwidth                                 | 4     | 3                | 2     | 1     | 4     | 3     | 2     | 1     |
| Nonmeaningful window_sequence transitions |       |                  |       |       |       |       |       |       |
| ADTS                                      |       |                  |       |       |       |       |       |       |

|                                           | S9_fs  | S10_fs | S11_fs | S12_fs | S13_fs  | S14_fs  | S15_fs  | S16_fs  |
|-------------------------------------------|--------|--------|--------|--------|---------|---------|---------|---------|
| Bitrate                                   | 80/128 | 80/128 | 80/128 | 80/128 | 200/320 | 200/320 | 280/448 | 280/448 |
| # single channel elements                 | 0      | 0      | 0      | 0      | 1       | 1       | 1       | 1       |
| # channel pair elements                   | 1      | 1      | 1      | 1      | 2       | 2       | 3       | 3       |
| # LFE channels                            | 0      | 0      | 0      | 0      | 1       | 1       | 1       | 1       |
| Data stream elements                      |        |        |        |        |         |         |         |         |
| Intensity                                 | Yes    | Yes    | Yes    | Yes    | Yes     | Yes     | Yes     | Yes     |
| MS                                        | Yes    | Yes    | Yes    | Yes    | Yes     | Yes     | Yes     | Yes     |
| Gain Compensation enabled                 | Yes    | Yes    | Yes    |        | Yes     | Yes     | Yes     | Yes     |
| window shape switching                    |        |        |        |        | Yes     | Yes     | Yes     | Yes     |
| Tns                                       |        |        |        |        | Yes     | Yes     | Yes     | Yes     |
| pulse data                                |        |        |        |        | Yes     | Yes     | Yes     | Yes     |
| Buffer test                               |        |        |        |        |         |         |         |         |
| Arithmetic torture                        | 44,48  |        |        |        | 08-64   | 16-88   | 08-88   | 16-96   |
| Bandwidth                                 | 4      | 3      | 2      | 1      | 4       | 3       | 4       | 3       |
| Nonmeaningful window_sequence transitions |        |        |        |        |         |         |         |         |
| ADTS                                      |        |        |        |        |         |         |         |         |

|                                           | S17_fs | S18_fs | S19_fs | S20_fs          | S21_fs |
|-------------------------------------------|--------|--------|--------|-----------------|--------|
| Bitrate                                   | 40/64  | 40/64  | 40/64  | 40/64           | 40/64  |
| # single channel elements                 | 1      | 1      | 1      | 1               | 1      |
| # channel pair elements                   | 0      | 0      | 0      | 0               | 0      |
| # LFE channels                            | 0      | 0      | 0      | 0               | 0      |
| Data stream elements                      |        |        |        |                 |        |
| Intensity                                 |        |        |        |                 |        |
| MS                                        |        |        |        |                 |        |
| Gain Compensation enabled                 | Yes    | Yes    | Yes    | Yes             |        |
| window shape switching                    |        | Yes    | Yes    | Yes             | Yes    |
| Tns                                       |        | Yes    | Yes    | Yes             | Yes    |
| pulse data                                |        | 08-48  | Yes    | 08-22,<br>32-96 | Yes    |
| Buffer test                               |        | 08-48  | Yes    | 08-22,<br>32-96 | Yes    |
| Arithmetic torture                        |        |        |        |                 |        |
| Bandwidth                                 | 4      | 4      | 3      | 2               | 1      |
| Nonmeaningful window_sequence transitions | Yes    |        |        |                 |        |
| ADTS                                      |        | Yes    | Yes    | Yes             | Yes    |
| CRC                                       |        | 08-24  | 08-24  | 08-12           | Yes    |

”

After 8), add the following item