



SLOVENSKI STANDARD
SIST ISO/IEC 13818-1:2010/Amd 2:2010
01-oktober-2010

Informacijska tehnologija - Splošno kodiranje gibljivih slik in pripadajočih avdio informacij: Sistemi
Dopolnilo 2: Prevoz pomožnih video struj

Information technology - Generic coding of moving pictures and associated audio information: Systems
AMENDMENT 2: Carriage of auxiliary video streams

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Technologies de l'information - Codage générique des images animées et du son associé: Systèmes
AMENDEMENT 2: Chariot de flux vidéo auxiliaires

Ta slovenski standard je istoveten z: ISO/IEC 13818-1:2007/Amd 2:2008

ICS:

| | | |
|--------|---------------------------------------|---------------------------------------|
| 35.040 | Nabori znakov in kodiranje informacij | Character sets and information coding |
|--------|---------------------------------------|---------------------------------------|

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INTERNATIONAL
STANDARD

ISO/IEC
13818-1

Third edition
2007-10-15

AMENDMENT 2
2008-12-15

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

**AMENDMENT 2: Carriage of auxiliary video
streams**

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Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATIONInformation technology – Generic coding of moving pictures
and associated audio information: Systems

Amendment 2

Carriage of auxiliary video data

1) Clause 2.4.3.7

Replace Table 2-27 with the following one:

Table 2-27 – Stream_id_extension assignments

| stream_id_extension | Note | stream coding |
|--|------|--|
| 000 0000 | 1 | IPMP Control Information stream |
| 000 0001 | 2 | IPMP stream |
| 000 0010 ... 000 1111 | | ISO/IEC 14496-17 text stream |
| 001 0000 ... 001 1111 | | ISO/IEC 23002-3 auxiliary video stream |
| 010 0010 010 0000 ... 011 1111 | | reserved_data_stream |
| 100 0000 ... 111 1111 | | private_stream |
| NOTE 1 – PES packets of stream_id_extension 0b000 0000 (IPMP Control Information Stream) have a unique syntax specified in ISO/IEC 13818-11 (MPEG-2 IPMP). | | |
| NOTE 2 – PES packets of stream_id_extension 0b000 0001 (IPMP Stream) have a unique syntax specified in ISO/IEC 13818-11 (MPEG-2 IPMP). | | |

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2) Clause 2.4.4.9

Replace Table 2-34 with the following one:

Table 2-34 – Stream type assignments

| Value | Description |
|-------|--|
| 0x00 | ITU-T ISO/IEC Reserved |
| 0x01 | ISO/IEC 11172-2 Video |
| 0x02 | ITU-T Rec. H.262 ISO/IEC 13818-2 Video or ISO/IEC 11172-2 constrained parameter video stream |
| 0x03 | ISO/IEC 11172-3 Audio |
| 0x04 | ISO/IEC 13818-3 Audio |
| 0x05 | ITU-T Rec. H.222.0 ISO/IEC 13818-1 private_sections |
| 0x06 | ITU-T Rec. H.222.0 ISO/IEC 13818-1 PES packets containing private data |
| 0x07 | ISO/IEC 13522 MHEG |
| 0x08 | ITU-T Rec. H.222.0 ISO/IEC 13818-1 Annex A DSM-CC |
| 0x09 | ITU-T Rec. H.222.1 |
| 0x0A | ISO/IEC 13818-6 type A |
| 0x0B | ISO/IEC 13818-6 type B |
| 0x0C | ISO/IEC 13818-6 type C |
| 0x0D | ISO/IEC 13818-6 type D |
| 0x0E | ITU-T Rec. H.222.0 ISO/IEC 13818-1 auxiliary |

ISO/IEC 13818-1:2007/Amd.2:2008(E)

Table 2-34 – Stream type assignments

| Value | Description |
|-----------|--|
| 0x0F | ISO/IEC 13818-7 Audio with ADTS transport syntax |
| 0x10 | ISO/IEC 14496-2 Visual |
| 0x11 | ISO/IEC 14496-3 Audio with the LATM transport syntax as defined in ISO/IEC 14496-3/Amd.1 |
| 0x12 | ISO/IEC 14496-1 SL-packetized stream or FlexMux stream carried in PES packets |
| 0x13 | ISO/IEC 14496-1 SL-packetized stream or FlexMux stream carried in ISO/IEC 14496_sections |
| 0x14 | ISO/IEC 13818-6 Synchronized Download Protocol |
| 0x15 | Metadata carried in PES packets |
| 0x16 | Metadata carried in metadata_sections |
| 0x17 | Metadata carried in ISO/IEC 13818-6 Data Carousel |
| 0x18 | Metadata carried in ISO/IEC 13818-6 Object Carousel |
| 0x19 | Metadata carried in ISO/IEC 13818-6 Synchronized Download Protocol |
| 0x1A | IPMP stream (defined in ISO/IEC 13818-11, MPEG-2 IPMP) |
| 0x1B | AVC video stream as defined in ITU-T Rec. H.264 ISO/IEC 14496-10 Video |
| 0x1C | ISO/IEC 14496-3 Audio, without using any additional transport syntax, such as DST, ALS and SLS |
| 0x1D | ISO/IEC 14496-17 Text |
| 0x1E | Auxiliary video stream as defined in ISO/IEC 23002-3 |
| 0x1F-0x7E | ITU-T Rec. H.222.0 ISO/IEC 13818-1 Reserved |
| 0x7F | IPMP stream |
| 0x80-0xFF | User Private |

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3) Clause 2.6.1

Replace Table 2-45 with the following one:

Table 2-45 – Program and program element descriptors

| descriptor_tag | TS | PS | Identification |
|----------------|-----|-----|---|
| 0 | n/a | n/a | Reserved |
| 1 | n/a | X | Forbidden |
| 2 | X | X | video_stream_descriptor |
| 3 | X | X | audio_stream_descriptor |
| 4 | X | X | hierarchy_descriptor |
| 5 | X | X | registration_descriptor |
| 6 | X | X | data_stream_alignment_descriptor |
| 7 | X | X | target_background_grid_descriptor |
| 8 | X | X | video_window_descriptor |
| 9 | X | X | CA_descriptor |
| 10 | X | X | ISO_639_language_descriptor |
| 11 | X | X | system_clock_descriptor |
| 12 | X | X | multiplex_buffer_utilization_descriptor |
| 13 | X | X | copyright_descriptor |
| 14 | X | | maximum_bitrate_descriptor |
| 15 | X | X | private_data_indicator_descriptor |

Table 2-45 – Program and program element descriptors

| descriptor_tag | TS | PS | Identification |
|----------------|-----|-----|--|
| 16 | X | X | smoothing_buffer_descriptor |
| 17 | X | | STD_descriptor |
| 18 | X | X | IBP_descriptor |
| 19-26 | X | | Defined in ISO/IEC 13818-6 |
| 27 | X | X | MPEG-4_video_descriptor |
| 28 | X | X | MPEG-4_audio_descriptor |
| 29 | X | X | IOD_descriptor |
| 30 | X | | SL_descriptor |
| 31 | X | X | FMC_descriptor |
| 32 | X | X | external_ES_ID_descriptor |
| 33 | X | X | MuxCode_descriptor |
| 34 | X | X | FmxBufferSize_descriptor |
| 35 | X | | multiplexBuffer_descriptor |
| 36 | X | X | content_labeling_descriptor |
| 37 | X | X | metadata_pointer_descriptor |
| 38 | X | X | metadata_descriptor |
| 39 | X | X | metadata_STD_descriptor |
| 40 | X | X | AVC video descriptor |
| 41 | X | X | IPMP_descriptor (defined in ISO/IEC 13818-11, MPEG-2 IPMP) |
| 42 | X | X | AVC timing and HRD descriptor |
| 43 | X | X | MPEG-2 AAC audio descriptor |
| 44 | X | X | FlexMux_Timing_descriptor |
| 45 | X | X | MPEG-4_text_descriptor |
| 46 | X | X | MPEG-4_audio_extension_descriptor |
| 47 | X | X | auxiliary_video_stream_descriptor |
| 48-63 | n/a | n/a | ITU-T Rec. H.222.0 ISO/IEC 13818-1 Reserved |
| 64-255 | n/a | n/a | User Private |

4) New clauses 2.6.74 to 2.6.75

Add the following clauses:

2.6.74 Auxiliary video stream descriptor

The auxiliary video stream descriptor specifies parameters for the decoding and interpretation of the auxiliary video stream to which the descriptor is associated. For each auxiliary video stream carried in an ITU-T Rec. H.222.0 | ISO/IEC 13818-1 stream, the auxiliary video stream descriptor shall be included in the PMT or in the PSM, if PSM is present in the program stream.

Table 2-92.3 – Auxiliary video stream descriptor

| Syntax | No. of bits | Mnemonic |
|---------------------------------------|-------------|---------------|
| Auxiliary_video_stream_descriptor() { | | |
| descriptor_tag | 8 | uimsbf |
| descriptor_length | 8 | uimsbf |
| aux_video_codedstreamtype | 8 | uimsbf |
| si_rbsp(descriptor_length-1) | | |
| } | | |