



**SLOVENSKI STANDARD**  
**SIST ISO/IEC 13818-1:2010/oAmd 2:2010**  
**01-julij-2010**

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**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

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**

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**ICS:**

35.040	Nabori znakov in kodiranje informacij	Character sets and information coding
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**SIST ISO/IEC 13818-1:2010/oAmd 2:2010**      **en**



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**AMENDMENT 2**  
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**Information technology — Generic coding  
of moving pictures and associated audio  
information: Systems**

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streams**

*Technologies de l'information — Codage générique des images  
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Reference number  
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ISO/IEC 13818-1:2007/Amd.2:2008 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*, in collaboration with ITU-T. The identical text is published as ITU-T Rec.H.222.0 (2006)/Amd.2 (08/2007).



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
<u>001 0000 ... 001 1111</u>		<u>ISO/IEC 23002-3 auxiliary video stream</u>
<del>010 0010</del> 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).

## 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
<u>0x1E</u>	<u>Auxiliary video stream as defined in ISO/IEC 23002-3</u>
0x1F-0x7E	ITU-T Rec. H.222.0   ISO/IEC 13818-1 Reserved
0x7F	IPMP stream
0x80-0xFF	User Private

## 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
<u>47</u>	<u>X</u>	<u>X</u>	<u>auxiliary video stream descriptor</u>
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() {		
<b>descriptor_tag</b>	<b>8</b>	<b>uimsbf</b>
<b>descriptor_length</b>	<b>8</b>	<b>uimsbf</b>
<b>aux_video_codedstreamtype</b>	<b>8</b>	<b>uimsbf</b>
si_rbsp(descriptor_length-1)		
}		