



SLOVENSKI STANDARD
SIST ISO/IEC 13818-2:2005/Amd 1:2010
01-oktober-2010

Informacijska tehnologija - Splošno kodiranje gibljivih slik in pripadajočih avdio informacij: Video
Dopolnilo 1: Podatki za opis vsebine

Information technology - Generic coding of moving pictures and associated audio information: Video
AMENDMENT 1: Content description data

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Technologies de l'information - Codage générique des images animées et du son associé: Données vidéo
AMENDEMENT 1: Données de description du contenu

Ta slovenski standard je istoveten z: ISO/IEC 13818-2:2000/Amd 1:2001

ICS:

35.040	Nabori znakov in kodiranje informacij	Character sets and information coding
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SIST ISO/IEC 13818-2:2005/Amd 1:2010 en,fr

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INTERNATIONAL STANDARD

ISO/IEC 13818-2

Second edition
2000-12-15

AMENDMENT 1
2001-12-15

Corrected version
2002-08-01

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

AMENDMENT 1: Content description data

iTeh STANDARD PREVIEW

*Technologies de l'information — Codage générique des images animées et
du son associé: Données vidéo*
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AMENDEMENT 1: Données de description du contenu

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Reference number
ISO/IEC 13818-2:2000/Amd.1:2001(E)

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Printed in Switzerland

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ISO/IEC 13818-2:2000/Amd.1:2001(E)**Foreword**

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this Amendment may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to International Standard ISO/IEC 13818-2:2000 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*, in collaboration with ITU-T. The identical text is published as ITU-T Rec. H.262/Amd.1.

This corrected version of ISO/IEC 13818-2:2000/Amd.1:2001 incorporates the following corrections:

- title of the amendment (cover page and page 1);
- edition number of ISO/IEC 13818-2:2000 (cover page).

INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

**INFORMATION TECHNOLOGY – GENERIC CODING OF MOVING
PICTURES AND ASSOCIATED AUDIO INFORMATION: VIDEO**

AMENDMENT 1

Content description data

1) Subclause 6.2.3

Replace subclause 6.2.3 by:

6.2.3 Picture header

picture_header() {	No. of bits	Mnemonic
picture_start_code	32	bslbf
temporal_reference	10	uimsbf
picture_coding_type	3	uimsbf
vbv_delay	16	uimsbf
if (picture_coding_type == 2 picture_coding_type == 3) {		
full_pel_forward_vector	1	bslbf
forward_f_code	3	bslbf
}		
if (picture_coding_type == 3) {		
full_pel_backward_vector	1	bslbf
backward_f_code	3	bslbf
}		
while (nextbits() == '1') {		
extra_bit_picture /* with the value '1' */	1	uimsbf
content_description_data() /* with every 9 th bit having the value '1' */		
}		
extra_bit_picture /* with the value '0' */	1	uimsbf
next_start_code()		
}		

ISO/IEC 13818-2 : 2000/Amd.1 : 2001 (E)

2) New subclause 6.2.3.7.3

Insert new subclause 6.2.3.7.3:

6.2.3.7.3 Content description data

content_description_data() {	No. of bits	Mnemonic
data_type_upper	8	uimsbf
marker_bit	1	bslbf
data_type_lower	8	
marker_bit	1	bslbf
data_length	8	uimsbf
if (data_type == "Padding Bytes")		
padding_bytes()		
else if (data_type == "Capture Timecode")		
capture_timecode()		
else if (data_type == "Additional Pan-Scan Parameters")		
additional_pan_scan_parameters()		
else if (data_type == "Active Region Window")		
active_region_window()		
else if (data_type == "Coded Picture Length")		
coded_picture_length()		
else		
for (i = 0; i < data_length; i ++) {		
marker_bit		bslbf
reserved_content_description_data	8	uimsbf
}		
}		

3) New subclause 6.2.3.7.3.1

Insert new subclause 6.2.3.7.3.1:

6.2.3.7.3.1 Padding bytes

padding_bytes() {	No. of bits	Mnemonic
for (i = 0; i < data_length; i ++) {		
marker_bit	1	bslbf
padding_byte	8	bslbf
}		
}		

4) **New subclause 6.2.3.7.3.2***Insert new subclause 6.2.3.7.3.2:***6.2.3.7.3.2 Capture timecode**

capture_timecode() {	No. of bits	Mnemonic
marker_bit	1	bslbf
timecode_type	2	uimsbf
counting_type	3	uimsbf
reserved_bit	1	uimsbf
reserved_bit	1	uimsbf
reserved_bit	1	uimsbf
if (counting_type != 0) {		
marker_bit	1	bslbf
nframes_conversion_code	1	uimsbf
clock_divisor	7	uimsbf
marker_bit	1	bslbf
nframes_multiplier_upper	8	uimsbf
marker_bit	1	bslbf
nframes_multiplier_lower	8	
}		
frame_or_field_capture_timestamp()		
if (timecode_type == '11')		
frame_or_field_capture_timestamp()		
}		

ISO/IEC 13818-2 : 2000/Amd.1 : 2001 (E)

5) New subclause 6.2.3.7.3.2.1

*Insert new subclause 6.2.3.7.3.2.1:***6.2.3.7.3.2.1 Frame or field capture timestamp**

frame_or_field_capture_timestamp() {	No. of bits	Mnemonic
if (counting_type != 0) {		
marker_bit	1	bslbf
nframes	8	uimsbf
}		
marker_bit	1	bslbf
time_discontinuity	1	uimsbf
prior_count_dropped	1	uimsbf
time_offset_part_a	6	simsbf
marker_bit	1	bslbf
time_offset_part_b	8	
marker_bit	1	bslbf
time_offset_part_c	8	
marker_bit	1	bslbf
time_offset_part_d	8	
marker_bit	1	bslbf
units_of_seconds	4	uimsbf
tens_of_seconds	4	uimsbf
marker_bit	1	bslbf
units_of_minutes	4	uimsbf
tens_of_minutes	4	uimsbf
marker_bit	1	bslbf
units_of_hours	4	uimsbf
tens_of_hours	4	uimsbf
}		

6) New subclause 6.2.3.7.3.3

Insert new subclause 6.2.3.7.3.3:

6.2.3.7.3.3 Additional pan-scan parameters

additional_pan_scan_parameters() {	No. of bits	Mnemonic
marker_bit	1	bslbf
aspect_ratio_information	4	uimsbf
reserved_bit	1	bslbf
reserved_bit	1	bslbf
reserved_bit	1	bslbf
display_size_present	1	bslbf
if (display_size_present == '1') {		
marker_bit	1	bslbf
reserved_bit	1	bslbf
reserved_bit	1	bslbf
display_horizontal_size_upper	6	uimsbf
marker_bit	1	bslbf
display_horizontal_size_lower	8	
marker_bit	1	bslbf
reserved_bit	1	bslbf
reserved_bit	1	bslbf
display_vertical_size_upper	6	uimsbf
marker_bit	1	bslbf
display_vertical_size_lower	8	
}		
for (i = 0; i < number_of_frame_centre_offsets; i ++) {		
marker_bit	1	bslbf
frame_centre_horizontal_offset_upper	8	simsbf
marker_bit	1	bslbf
frame_centre_horizontal_offset_lower	8	
marker_bit	1	bslbf
frame_centre_vertical_offset_upper	8	simsbf
marker_bit	1	bslbf
frame_centre_vertical_offset_lower	8	
}		
}		