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

**Part 1:
Systems**

**AMENDMENT 3: Carriage of green
metadata in MPEG2 systems**

*Technologies de l'information — Codage générique des images
animées et du son associé —*

Partie 1: Systèmes

*AMENDEMENT 3: Transport des métadonnées vertes dans les
systèmes MPEG2*

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ISO/IEC 13818-1:2015/Amd 3:2016

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INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

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

Amendment 3

Carriage of green metadata in MPEG-2 systems

1) **Clause 1.2.3**

In clause 1.2.3 add

- ISO/IEC 23001-11:2015, *Information technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (Green Metadata)*.

2) **Clause 2.1.128**

Add the following clause after clause 2.1.127

2.1.128 Green access unit – An access unit that contains dynamic metadata as defined in clause 6.2.1 of ISO/IEC 23001-11.

Table 2-31

Replace Table 2-31 with the following

Table 2-31 – Table_id assignment values

Value	Description
0x00	program_association_section
0x01	conditional_access_section (CA_section)
0x02	TS_program_map_section
0x03	TS_description_section
0x04	ISO_IEC_14496_scene_description_section
0x05	ISO_IEC_14496_object_descriptor_section
0x06	Metadata_section
0x07	IPMP_Control_Information_section (defined in ISO/IEC 13818-11)
0x08	ISO_IEC_14496_section
0x09	Green access unit (ISO/IEC 23001-11) section
0x0A-0x37	Rec. ITU-T H.222.0 ISO/IEC 13818-1 reserved
0x38-0x3F	Defined in ISO/IEC 13818-6
0x40-0xFE	User private
0xFF	Forbidden

Table 2-34

In Table 2-34, add the following:

0x2C	Green access units carried in MPEG-2 sections
0x2D-0x7E	Rec. ITU-T H.222.0 ISO/IEC 13818-1 reserved

3) Clause 2.6.90

Replace Table 2-105 with:

Table 2-105 – Extension descriptor

Syntax	No. of bits	Mnemonic
Extension_descriptor () {		
descriptor_tag	8	uimsbf
descriptor_length	8	uimsbf
extension_descriptor_tag	8	uimsbf
if (extension_descriptor_tag == 0x02) {		
ObjectDescriptorUpdate()		
}		
else if (extension_descriptor_tag == 0x03) {		
HEVC_timing_and_HRD_descriptor()		
}		
else if (extension_descriptor_tag == 0x04) {		
af_extension_descriptor()		
}		
else if (extension_descriptor_tag == 0x05) {		
HEVC_operation_point_descriptor()		
}		
else if (extension_descriptor_tag == 0x06) {		
hierachy_extension_descriptor()		
}		
else if (extension_descriptor_tag == 0x07) {		
Green_extension_descriptor ()		
}		
else {		
for (i=0; i<N; i++) {		
reserved	8	bslbf
}		
}		
}		

4) Clause 2.6.91

Add the following immediately before Table 2-106:

Green_extension_descriptor() – This structure is defined in 2.6.104 and 2.6.105.