



COVERING NOTE

GENERAL SECRETARIAT INTERNATIONAL TELECOMMUNICATION UNION

Subject: Erratum 1

Geneva, 22 April 2002

Recommendation ITU-T H.262 Amendment 1

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

ITU-T Recommendation H.262 Amendment 1 (11/2000)

~~Video elementary stream~~ Content description data

Please change Amendment 1 title from "*Video elementary stream content description data*" to "*Content description data*".

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TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.262

Amendment 1
(11/2000)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Infrastructure of audiovisual services – Coding of moving
video

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

**Amendment 1: Video elementary stream content
description data**

ITU-T Recommendation H.262 – Amendment 1

(Formerly CCITT Recommendation)

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For further details, please refer to the list of ITU-T Recommendations.

**INTERNATIONAL STANDARD ISO/IEC 13818-2
ITU-T RECOMMENDATION H.262**

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

AMENDMENT 1

Video elementary stream content description data

Summary

This amendment provides an ability to send supplemental "content description data" within H.262 video elementary streams. The content description data that can be carried includes picture capture timing information, additional pan-scan parameters, an indication of the visual active region within the video picture, and a coded representation of the picture size in bytes.

Source

Amendment 1 to ITU-T Recommendation H.262 was prepared by ITU-T Study Group 16 (2001-2004) and approved on 17 November 2000. An identical text is also published as ISO/IEC 13818-2, Amendment 1.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

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

AMENDMENT 1

Video elementary stream 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()		
}		

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	1	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
}		
}		