INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.222.0

Amendment 4
(01/2005)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Infrastructure of audiovisual services – Transmission multiplexing and synchronization

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

Amendment 4: ISAN and V-ISAN use in the content labelling descriptor

ITU-T Recommendation H.222.0 (2000) – Amendment 4

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INTERNATIONAL STANDARD ISO/IEC 13818-1
ITU-T RECOMMENDATION H.222.0

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

Amendment 4

ISAN and V-ISAN use in the content labelling descriptor

Summary

This amendment assigns code point values for carriage of ISAN and V-ISAN information in MPEG-2 systems for use by metadata applications. These code point values are assigned to metadata_application_format used by the content labelling descriptor. ISAN and V-ISAN provide information related to digital television (DTV) programs, movies and other media.

Source

Amendment 4 to ITU-T Recommendation H.222.0 (2000) was approved on 8 January 2005 by ITU-T Study Group 16 (2005-2008) under the ITU-T Recommendation A.8 procedure. An identical text is also published as ISO/IEC 13818-1, Amendment 4.

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.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure e.g. interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

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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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1) Subclause 1.2.1

Insert the following additional references:

- ISO 15706:2002, *Information and documentation – International Standard Audiovisual Number (ISAN).*
- ISO 15706-2 (draft), *Information and documentation – Identifier for versions of audiovisual works and related content (V-ISAN) – Part 2: Structure and use.*

2) Subclause 2.6.57

Replace Table Amd.1-2 (metadata_application_format) with the following:

Table Amd.1-2 – Metadata_application_format

Value	Description
0x0000-0x000F	Reserved
0x0010	ISO 15706 (ISAN) encoded in its binary form (see Notes 1 and 3)
0x0011	ISO 15706-2 (V-ISAN) encoded in its binary form (see Notes 2 and 3)
0x0012-0x00FF	Reserved
0x0100-0xFFFE	User defined
0xFFFF	Defined by the metadata_application_format_identifier field
NOTE 1 – For ISAN, the content_reference_id_byte is set to binary encoding and the content_reference_id_record_length is set to 0x08. NOTE 2 – For V-ISAN, the content_reference_id_byte is set to binary encoding and the content_reference_id_record_length is set to 0x0C. NOTE 3 – For interoperability amongst metadata applications that use the metadata_application_format values of 0x0010 and 0x0011, it is recommended that the content_reference_id_flag be set to '1' and the content_time_base_indicator be set to '00'.	

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