INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

H.262

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

(07/95)

TRANSMISSION OF NON-TELEPHONE SIGNALS

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

ITU-T Recommendation H.262

(Previously "CCITT Recommendation")

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FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. Some 179 member countries, 84 telecom operating entities, 145 scientific and industrial organizations and 38 international organizations participate in ITU-T which is the body which sets world telecommunications standards (Recommendations).

The approval of Recommendations by the Members of ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, 1993). In addition, the World Telecommunication Standardization Conference (WTSC), which meets every four years, approves Recommendations submitted to it and establishes the study programme for the following period.

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. The text of ITU-T Recommendation H.262 was approved on 10th of July 1995. The identical text is also published as ISO/IEC International Standard 13818-2.

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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Summary

This Recommendation | International Standard specifies coded representation of video data and the decoding process required to reconstruct pictures. It provides a generic video coding scheme which serves a wide range of applications, bit rates, picture resolutions and qualities. Its basic coding algorithm is a hybrid of motion compensated prediction and DCT. Pictures to be coded can be either interlaced or progressive. Necessary algorithmic elements are integrated into a single syntax, and a limited number of subsets are defined in terms of Profile (functionalities) and Level (parameters) to facilitate practical use of this generic video coding standard.

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