



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

T.417

Amendment 1
(10/97)

SERIES T: TERMINALS FOR TELEMATIC SERVICES

Information technology – Open Document
Architecture (ODA) and interchange format: Raster
graphics content architectures

Amendment 1

ITU-T Recommendation T.417 – Amendment 1

(Previously CCITT Recommendation)

ITU-T T-SERIES RECOMMENDATIONS
TERMINALS FOR TELEMATIC SERVICES

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

INTERNATIONAL STANDARD 8613-7

ITU-T RECOMMENDATION T.417

**INFORMATION TECHNOLOGY –
OPEN DOCUMENT ARCHITECTURE (ODA) AND INTERCHANGE FORMAT:
RASTER GRAPHICS CONTENT ARCHITECTURES**

AMENDMENT 1

Summary

Amendment 1 to Recommendation T.417 | ISO/IEC 8613-7 supports the use of JBIG and JPEG colour in applications using raster graphics content.

Source

The ITU-T Recommendation T.417, Amendment 1 was approved on the 16th of October 1997. The identical text is also published as ISO/IEC International Standard 8613-7.

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. The 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 Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 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.

INTELLECTUAL PROPERTY RIGHTS

The ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. The ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, the ITU had not 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 –
OPEN DOCUMENT ARCHITECTURE (ODA) AND INTERCHANGE FORMAT:
RASTER GRAPHICS CONTENT ARCHITECTURES**

AMENDMENT 1

1) Subclause 2.1

Add by numerical order:

- CCITT Recommendation T.81 (1992) | ISO/IEC 10918-1:1993, *Information technology – Digital compression and coding of continuous-tone still images – Requirements and guidelines.*
- ITU-T Recommendation T.82 (1993) | ISO/IEC 11544:1993, *Information technology – Coded representation of picture and audio information – Progressive bi-level image compression.*

2) Subclause 2.3

Add at the end of this subclause:

- ITU-T Recommendation T.42 (1994), *Continuous-tone colour representation method for facsimile.*

3) Clause 3

Replace the paragraph by:

For the purpose of this Recommendation | International Standard, the definitions given in ITU-T Rec. T.411 | ISO/IEC 8613-1 apply.

For the purposes of this Recommendation | International Standard, the following definitions also apply.

3.1 JPEG definitions

The terms defined in CCITT Rec. T.81 | ISO/IEC 10918-1 apply.

3.2 JBIG definitions

The terms defined in ITU-T Rec. T.82 | ISO/IEC 11544 apply.

3.3 Additional definitions

The following terms are defined in this Specification.

3.3.1 (adaptive) (binary) arithmetic decoding: An entropy decoding procedure which recovers the sequence of symbols from the sequence of bits produced by the arithmetic encoder.

3.3.2 (adaptive) (binary) arithmetic encoding: An entropy encoding procedure which codes by means of a recursive subdivision of the probability of the sequence of symbols coded up to that point.

3.3.3 baseline (sequential): A particular sequential DCT-based encoding and decoding process specified in CCITT Rec. T.81 | ISO/IEC 10918-1, and which is required for all DCT-based decoding processes.

3.3.4 block-interleaved: The descriptive term applied to the repetitive multiplexing in a specific order of small groups of 8×8 blocks from each component in a scan.

3.3.5 component: One of the two-dimensional arrays which comprise an image.

**Documents****ITU-T Rec. T.417 (1993)/Amd.1 (1997 E)**

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