



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Amendment 2  
T.4**

(08/95)

**TERMINALS FOR TELEMATIC SERVICES**

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**STANDARDIZATION OF GROUP 3  
FACSIMILE APPARATUS FOR  
DOCUMENT TRANSMISSION**

**Amendment 2 to  
ITU-T Recommendation T.4**

(Previously "CCITT Recommendation")

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## FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (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 (Helsinki, March 1-12, 1993).

ITU-T Recommendation T.4, Admendment 2, was revised by ITU-T Study Group 8 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 11th of August 1995.

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## 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 amendment contains the amendments to Recommendation T.4 to allow the identification and selection of North American legal and letter size papers. The North American legal size papers dimensions are (215.9 × 355.6 mm), the North American letter size papers dimensions are (215.9 × 279.4 mm). This amendment contains also a new paragraph of “Progressive bi-level image compression”.

**STANDARDIZATION OF GROUP 3 FACSIMILE APPARATUS  
FOR DOCUMENT TRANSMISSION**

(1995)

**1. Amendments to Recommendation T.4**

The following paragraphs contain the text of the proposed amendments to Recommendation T.4.

**1.1 Contents: Amend clause 4 contents to read as follows:**

- “4 Coding scheme
- 4.1 One-dimensional coding scheme
  - 4.2 Two-dimensional coding scheme
  - 4.3 Extended two-dimensional coding scheme
  - 4.4 Progressive bi-level image compression
  - 4.5 Error limiting mode”

**1.2 Subclause 2.1: Amend the first sentence to read as follows:**

“2.1 The following dimensions shall be used for ISO A4, ISO B4, ISO A3, North American Letter (215.9 × 279.4 mm) and Legal (215.9 × 355.6 mm):”

The remaining text 2.1 is unchanged.

**1.3 Subclause 2.2: Amend the second sentence to read as follows:**

“2.2 Specific values for the number of pels per line are given in Table 2 for all the Group 3 resolutions for ISO A4, ISO B4, ISO A3, North American Letter and Legal.”

**1.4 Table: Amend the column headed “ISO A4” to read “ISO A4, North American Letter/Legal”**

**1.5 Insert a new subclause 4.4 read as follows:**

**“4.4 Progressive bi-level image compression**

The usage of the progressive bi-level image compression scheme defined in Recommendation T.82 for Group 3 facsimile should be in accordance with the application rules described in the corresponding subclauses of Recommendation T.85. This coding scheme is limited to use with the error correction mode specified in 3.3.

#### **4.4.1 References**

- [1] ITU-T Recommendation T.82 (1993), *Information technology – Coded representation of picture and audio information – Progressive bi-level image compression*.
- [2] ITU-T Recommendation T.85 (1995), *Application profile for Recommendation T.82 – Progressive bi-level image compression (JBIG coding scheme) for facsimile apparatus*.

#### **4.4.2 Single-progression sequential coding scheme**

The usage of the single-progression sequential coding scheme described in 3.31/T.82 for Group 3 facsimile should be in accordance with the application rules described in clause 2/T.85. This coding scheme is used as an option in Group 3 facsimile.

#### **4.4.3 Progressive-compatible sequential coding**

For further study.

#### **4.4.4 Progressive coding**

For further study.”

### **1.6 Renumber “subclause 4.4” as “subclause 4.5”**



