



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

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TERMINAL EQUIPMENT AND PROTOCOLS FOR TELEMATIC SERVICES

STANDARDIZED TEST CHARTS FOR DOCUMENT FACSIMILE TRANSMISSIONS

ITU-T Recommendation T.22

(Previously "CCITT Recommendation")

FOREWORD

The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the International Telecommunication Union. 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, established the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

ITU-T Recommendation T.22 was prepared by the ITU-T Study Group VIII (1988-1993) and was approved by the WTSC (Helsinki, March 1-12, 1993).

NOTES

1 As a consequence of a reform process within the International Telecommunication Union (ITU), the CCITT ceased to exist as of 28 February 1993. In its place, the ITU Telecommunication Standardization Sector (ITU-T) was created as of 1 March 1993. Similarly, in this reform process, the CCIR and the IFRB have been replaced by the Radiocommunication Sector.

2 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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Recommendation T.22**STANDARDIZED TEST CHARTS FOR DOCUMENT
FACSIMILE TRANSMISSIONS***(Helsinki, 1993)*

The ITU-T,

considering

(a) that a standardized test chart to check the quality of document facsimile transmissions will have great advantages. The advancing technology of document facsimile has brought forth monochrome testing requirements that cannot be adequately met with current test charts. New higher resolution needs and transmission of high quality continuous tone gray scale must be taken into consideration;

(b) that conflicting test chart reproduction requirements for black-white patterns and continuous tone has led to the definition of two new test charts:

- one, high contrast “facsimile test chart” for evaluating the technical quality of the page and the legibility of the text;
- the other, “continuous tone addendum” for the evaluation of the technical quality of continuous tone information,

unanimously adopts the view

(1) that tests of document facsimile transmission quality should be carried out in the international service using the ITU-T standardized test charts;

(2) that these test charts should be produced by the ITU under the supervision of the ITU-T and should be offered for sale by the ITU. There are two types of charts:

- Test chart No. 4: “Facsimile test chart” intended for the general evaluation of technical quality;
- Test chart No. 5: “Continuous tone addendum” intended to check tonal quality.

The charts are described in Annex A; the specimens printed in Annex A cannot be used for measurements;

(3) that the charts should be used with electronic document storage facilities, electronic document transmission facilities, and facsimile apparatus in accordance with appropriate T-Series Recommendations.

Annex A**Description of the standardized document facsimile test charts**

(This annex forms an integral part of this Recommendation)

A.1 Dimensions of the test charts

Test chart No. 4	Test chart No. 5
– length: 302 mm	279 mm
– width: 222 mm	216 mm