INTERNATIONAL STANDARD

ISO/IEC
14473

First edition
1999-04-15

Information technology — Office equipment — Minimum information to be specified for image scanners

Technologies de l'information — Équipements de bureau — Informations minimales à prescrire pour les scanners d'image

Contents

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 14473 was prepared by ISO/IEC JTC 1, *Information technology*, Subcommittee SC 28, *Office equipment*.

Annex A of this International Standard is for information only.

Information technology - Office equipment - Minimum information to be specified for image scanners

1 Scope

This International Standard is intended to facilitate user selection of an image scanner. This International Standard specifies the minimum information that shall be included by manufacturers in their specification sheets for scanners.

This International Standard is made for the average end user. For this reason it does not describe all specifications of scanners with special features such as double sided scanning or high speed. By insuring consistency of specification of scanner product information, this International Standard enables the end user to make meaningful comparisons of machine functionality and performance characteristics. The most meaningful parameters of function and performance are specified and defined, and measures of performance are provided.

This International Standard further applies to types of scanners which are most prevalent in use, including parameters for a scanning engine (an optomechanical physical device) and basic image processing only (those processes include digital data output with encoded gray scale, or unencoded single bit plus halftone data). It does not require specification of advanced application processing such as OCR, translation, vector conversion, etc. Because scanners use both software and/or hardware to achieve some scanner functions and controls, the standard contains some entries related to software even though the standard is primarily for scanner hardware. The manufacturer, at his option, may include description of such additional functionality which may be provided. This standard also does not consider image quality, nor does it provide or use related test targets.

2 Normative references

The following standards contain provision which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 216:1975, *Writing paper and certain classes of printed matter - Trimmed sizes - A and B series.*
ISO 554:1976, *Standard atmospheres for conditioning and/or testing - Specifications.*
ISO 7779:1988, *Acoustics - Measurement of airborne noise emitted by computer and business equipment.*
ISO 9295:1988, *Acoustics - Measurement of high-frequency noise emitted by computer and business equipment.*
ISO 9296:1988, *Acoustics - Declared noise emission values of computer and business equipment.*