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**Information technology — Office  
equipment — Printing devices — Method  
for measuring throughput — Class 1 and  
Class 2 printers**

*Technologies de l'information — Équipements de bureau — Dispositifs  
d'impression — Méthode de mesurage de la capacité — Imprimantes de  
classes 1 et 2*

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## 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 10561 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 28, *Office equipment*.

This second edition cancels and replaces the first edition (ISO/IEC 10561:1991), which has been technically revised.

Annexes A, B, C and D form an integral part of this International Standard. Annex E is for information only.

# Information technology — Office equipment — Printing devices — Method for measuring throughput — Class 1 and Class 2 printers

## 1 Scope

This International Standard specifies a method for measuring the throughput of class 1 and class 2 printers, as defined in ISO/IEC 11160-1. This International Standard specifies three different test patterns:

- a standard business letter;
- a spreadsheet;
- a graphic pattern.

In addition, this International Standard defines a method for a performance test and one for an endurance test.

These tests are intended to measure only the printer throughput for documents in the same class as the test patterns and not to evaluate any other printer features such as character shaping, print compressions, network/controller performance, colour, etc. The method is relevant to class 1 and class 2 printer types (e.g. dot matrix, daisy wheel, ink jet, thermal transfer printers) and to all configurations (e.g. tractor feed, cut sheet feed, 80-column and over 132-column print width, etc.). It is not the most suitable for comparing performance of other classes of printing devices such as high-speed page-oriented printers or color printers.

This method is intended for use by printer manufacturers and test houses so that a common form of test result presentation shall be obtained. It will also enable a user to make a quick and easy comparison of the printing throughput of different printers.

## 2 Normative references

The following standards contain provisions 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/IEC 11160-1:1995, *Information technology, Office equipment - Minimum information to be included in specification sheets - Part 1: Class 1 and Class 2 printers*.

DIN 32751 - *Büro- und Datentechnik - Drucker - Ermittlung der Druckleistung bezogen auf Prüfvorlagen*.

## 3 Conformance

Test results claimed to be in conformance with this International Standard shall have been obtained in accordance with the method specified in this International Standard.