
**Information technology — Office
equipment — Method for Measuring
Scanning Productivity of Digital
Multifunctional Devices**

*Technologie de l'information — Équipement d'Office — Méthode pour
Productivité du Scanner d'Appareils Multifonctionnels Numériques*

Withold

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Published in Switzerland

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: [Foreword — Supplementary information](#).

The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, Subcommittee SC 28, *Office Equipment*.

Introduction

The actual productivity measurement methods of copying and printing were published as ISO/IEC 24735 and ISO/IEC 24734. However, ISO/IEC 24735 contains no measurement method for the scanning productivity of multifunctional devices to be used for comparison and procurement of these machines.

This International Standard provides a general method for measuring “scanning productivity” of the multifunctional devices. The International Standard also includes a test chart for scanning productivity measurement. It allows the manufacturers and the buyers of digital multifunctional devices to describe the productivity of various digital scanning devices with respect to representative office usage.

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1 Scope

This International Standard specifies a method for determining scanning productivity by measuring “scanning speed” and “scan to network folder speed”. It includes test files, test setup procedure, test procedure, and the reporting requirements for the scanning productivity measurements. This International Standard is applicable to black and white (B&W) as well as colour digital multifunctional devices of any underlying marking technology.

This International Standard is applicable to devices which are able to scan a media size of A4/8,5” × 11”, and which have an automatic document feeder (ADF), an ability to scan to network folder, and do not need other application programs on a computer or another devices to do a scanning job.

This International Standard is not intended to be use for image quality measurement, document or record management of any scanned images.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 24734, *Information technology — Office equipment — Method for measuring digital printing productivity*

ISO/IEC 24735, *Information technology — Office equipment — Method for measuring digital copying productivity*

ISO 2470-1:2009, *Paper, board and pulps — Measurement of diffuse blue reflectance factor — Part 1: Indoor daylight conditions (ISO brightness)*

ISO 536:2012, *Paper and board — Determination of grammage*