
**Electronic imaging — Test target for the
black-and-white scanning of office
documents —**

**Part 1:
Characteristics**

*Imagerie électronique — Cible d'essai pour le scanning en noir et blanc
des documents de bureau —*

Partie 1: Caractéristiques



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 12653 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 12653-1 was prepared by Technical Committee ISO/TC 171, *Document imaging applications*, Subcommittee SC 1, *Quality*.

ISO 12653 consists of the following parts, under the general title *Electronic imaging — Test target for the black-and-white scanning of office documents*:

- *Part 1: Characteristics*
- *Part 2: Method of use*

Introduction

Simple and reliable means are required for evaluating the quality of output images of office documents that have been scanned into electronic image management systems using a black-and-white scanner. The test target specified in this part of ISO 12653 provides system users with a means of evaluating the output quality and of assessing the capability of a system to produce output of appropriate quality.

Test charts and targets already exist for micrographics and facsimile transmission, but they are specific to these said fields and do not meet the needs of the users of document scanning systems.

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Electronic imaging — Test target for the black-and-white scanning of office documents —

Part 1: Characteristics

1 Scope

This part of ISO 12653 specifies a test target for use in assessing the consistency of quality of performance over time of flat-bed and rotary black-and-white reflection scanners used in electronic image management systems. The test target is designed:

- a) to allow routine checks of the system's performance;
- b) to establish the performance limits of the system.

This part of ISO 12653 is applicable to assessing the output quality of black-and-white scanners used for black-and-white or colour office documents, with or without half-tone or colour.

It is not applicable to colour scanners or scanners used for the scanning of transparent or translucent documents.

NOTE Additional targets for assessing the output quality of black-and-white scanners using continuous tone and colour are referred to in ISO 12653-2.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 12653. For dated references, subsequent amendments to or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 12653 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 5-4:1995, *Photography — Density measurements — Part 4: Geometric conditions for reflection density*.

ISO 446:1991, *Micrographics — ISO character and ISO test chart No. 1 — Description and use*.

ISO 3334:1989, *Micrographics — ISO resolution test chart No. 2 — Description and use*.

ISO 12651:1999, *Electronic imaging — Vocabulary*.

3 Terms and definitions

For the purposes of this part of ISO 12653, the terms and definitions given in ISO 12651 and the following apply.