

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

Part 2: Method of use

ICS 37.080

National foreword

This British Standard reproduces verbatim ISO12653-2:2000, including Technical Corrigendum March 2002, and implements it as the UK national standard.

A test target in accordance with BS ISO 12653-1:2000, is available as DISC PD 0023:2001, *Test target for assessing output quality of black-and-white document scanners in accordance with BS ISO 12653*. It should be used with the methods specified in BS ISO 12653-2:2000

The UK participation in its preparation was entrusted by Technical Committee IDT/1, Document imaging applications, to Subcommittee IDT/1/1, Quality, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the DISC Board, was published under the authority of the Standards Committee and comes into effect on 15 May 2001

Summary of pages

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

Part 2: Method of use

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

Partie 2: Méthodes d'utilisation



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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 12653-2 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

This part of ISO 12653 describes procedures for evaluating the output quality of a black-and-white scanning system for office documents, using the test target specified in ISO 12653-1.

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.

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

Part 2: Method of use

1 Scope

This part of ISO 12653 specifies test methods for evaluating the consistency of the output quality over time from the black-and-white reflection scanning of office documents using the test target specified in ISO 12653-1 and other targets.

It 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 does not apply to colour scanners or scanners used for the scanning of transparent or translucent documents.

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 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*.

Recommendation ITU T.22, *Standardized test charts for document facsimile transmissions*.

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.

3.1

test element

pattern represented on a target

EXAMPLES Millimetre scale, grey scale, circle.

3.2

continuous tone

tonal variation in a document represented by areas of different density