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Irish Standard
I.S. EN ISO 24502:2010

Ergonomics - Accessible design - Specification of age-related luminance contrast for coloured light (ISO 24502:2010)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 24502

December 2010

ICS 11.180.30; 13.180

English Version

Ergonomics - Accessible design - Specification of age-related luminance contrast for coloured light (ISO 24502:2010)

Ergonomie - Conception accessible - Spécification du contraste de luminance lié à l'âge pour la lumière colorée (ISO 24502:2010)

Ergonomie - Zugängliche Gestaltung - Leitlinien für die Spezifikation des altersbezogenen Leuchtdichte-Kontrastes für farbiges Licht (ISO 24502:2010)

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Ref. No. EN ISO 24502:2010: E

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Foreword

This document (EN ISO 24502:2010) has been prepared by Technical Committee ISO/TC 159 “Ergonomics” in collaboration with Technical Committee CEN/TC 122 “Ergonomics” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2011, and conflicting national standards shall be withdrawn at the latest by June 2011.

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INTERNATIONAL STANDARD

ISO 24502

First edition
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Ergonomics — Accessible design — Specification of age-related luminance contrast for coloured light

Ergonomie — Conception accessible — Spécification du contraste de luminance lié à l'âge pour la lumière colorée

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Foreword

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ISO 24502 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 5, *Ergonomics of the physical environment*.

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Introduction

Although the proportion of older people is increasing in many countries, the care for better visibility of signs and displays is not sufficiently taken for those older people. This prevents older people from actively being involved in social activities, as well as from living their life safely and comfortably. This International Standard provides a method of calculating age-related luminance contrast that can be used for assessing and designing signs and displays in our visual environment, so that they are clearly visible to older people. This method calculates age-related luminance contrast for people aged from 10 to 79 years based on age-related photopic spectral luminous efficiency of the eye.

This International Standard adopts the principles of accessible design given in ISO/IEC Guide 71 and amplified in ISO/TR 22411.

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