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Information technology — User interface component accessibility —

Part 15:

Guidance on scanning visual information for presentation as text in various modalities

Technologies de l'information — Accessibilité du composant interface utilisateur —

Partie 15: Recommandations relatives à la numérisation des informations visuelles en vue d'une présentation sous forme de texte selon différentes modalités



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Foreword

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A list of all parts in the ISO/IEC 20071 series can be found on the ISO website.

Introduction

There are a wide variety of visual objects in a user's environment that provide information that could be scanned and processed to output text-based information about or related to the object. Providing text-based information can provide accessibility to diverse users in various contexts of use, including:

- persons who cannot see the information (due to vision or environmental limitations);
- persons who cannot approach the information closely enough to see it (due to physical or environmental limitations);
- people who cannot understand the information (due to cognitive or linguistic limitations);
- where the information is provided in a format that human cannot directly understand (e.g. barcodes, QR codes);
- where information content, beyond what is in the scanned image, can be obtained through additional processing.

This document provides guidance on various aspects of the user interface of applications that scan visual information. This includes selecting the types of information that are of interest to the user, helping the user locate visual objects of interest, helping the user position the object or device used for scanning, scanning the information, processing the scanned image, and outputting textual information in various modalities.

The guidance contained in this document can be applied to a wide range of devices, applications, and contexts of use.