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Part 61: Single-point gestures for screen readers

Technologies de l'information — Interfaces gestuelles entre dispositifs et méthodes —

Partie 61: Gestes n'utilisant qu'un seul point pour lecteurs d'écran

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Foreword

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Introduction

Screen readers are regarded as a default method of accessing ICT devices for people with visual impairments who are unable to see and understand the screens of these devices. The content on the screens, such as letters, words, numbers, punctuation, elements and so on, are spoken out loud by screen readers. Speakers or headphones connected to the ICT device become the main output components.

Single-point gestures are used for screen readers of several commercially available ICT devices including smart phones, PCs and so on. Potential variety and inconsistency among the single-point gestures might cause a serious accessibility problem for people with visually impairments. There is a strong need for international standards to define the single-point gesture so that visually impaired users do not get confused while they use ICT devices.

The functions of the screen readers include reading an item under the user's finger, pausing/resuming speech, speaking the location of the user's fingers on a screen, such as page numbers or rows, and so on. This document presents descriptions of single-point gestures and the corresponding functions of the screen readers.

The standard single-point gestures will harmonize with multi-point gestures for the screen readers. It is expected that users can use the screen readers easily and without confusion by executing the standard single-point gestures. The gestures are performed by the users regardless of a specific recognition technique, a certain interaction method or a device.

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Information technology — Gesture-based interfaces across devices and methods —

Part 61:
Single-point gestures for screen readers

1 Scope

This document defines single-point gestures for screen readers.

It specifies movements for clear and classified single-point gestures recognized by the screen readers.

It describes single-point gestures performed by a POI (point of interest). The single-point gestures are intended to operate in a consistent manner regardless of systems, platforms, applications or devices.

NOTE A POI can be manipulated by using an object such as a fingertip, a stylus, etc.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 30113-11:2017, *Information technology — Gesture-based interfaces across devices and methods — Part 11: Single-point gestures for common system actions*

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