INTERNATIONAL STANDARD

ISO 19028

First edition
2016-04-01

Accessible design — Information contents, figuration and display methods of tactile guide maps

Conception accessible — Sommaire des informations, méthodes de figuration et d'affichage des plans de guide tactile

Reference number
ISO 19028:2016(E)

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Foreword

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 173, *Assistive products for persons with disability*, Subcommittee SC 7, *Accessible design*.

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Introduction

As the number of older population and social participation of persons with disabilities is increasing, the improvement of the social infrastructure for these people is an urgent issue. Devices for mobility assistance to facilitate social participation of persons with seeing impairment and blindness have rapidly disseminated. Among others, a tactile guide map is a convenient tool for providing location information which is necessary for mobility of such people. Although the number of their installation has steadily increased, it has become obvious that, in the meantime, inappropriate or misleading tactile guide maps have been increasing, which has caused the users a big problem. To solve the problem, this International Standard provides the principal and standardized specifications concerning information contents, figuration and display methods of tactile guide maps.

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Accessible design — Information contents, figuration and display methods of tactile guide maps

1 Scope

This International Standard specifies information contents, figuration and display methods of tactile guide maps providing location information of buildings, including those for the general public, public transport and parks, and also the surroundings in the close vicinity, including access routes to them in order to enable persons with seeing impairment and blindness to move safely and smoothly in those facilities.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 17049, *Accessible design — Application of braille on signage, equipment and appliances*

ISO 21542:2011, *Building construction — Accessibility and usability of the built environment*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
tactile guide map
information map that provides persons with seeing impairment and blindness with location information of inside and outside of buildings including those for the general public, public transport and parks, which is made recognizable using, for example, convex (raised) lines and/or convex or concave (engraved) surfaces, *tactile marks* (3.6), braille and/or *raised characters* (3.10), and/or large print, having two types: an installed type in facilities, etc. and a portable booklet format

3.2
title
concise text in braille and/or *raised characters* (3.10) indicating the content of a *tactile guide map* (3.1)

3.3
commentary
information in braille and/or *raised characters* (3.10) to give general description of a *tactile guide map* (3.1), cautions and usage of *tactile marks* (3.6)

3.4
lettering
letters, numbers, words, or a combination of them to label items of interest in a *tactile guide map* (3.1)

3.5
legend
index with explanation of *tactile marks* (3.6) and/or abbreviations of braille, and/or *raised characters* (3.10) used for *tactile figures* (3.7)

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3.6
tactile marks
convex or concave marks used for a *tactile guide map* (3.1) to provide information on facilities and equipment

3.7
tactile figure
aggregated relief-like figure composed of convex lines and/or convex or concave surfaces, *tactile marks* (3.6), braille and/or *raised characters* (3.10)

3.8
printed characters
characters written in pencil, with a pen, and in print, not in Braille

3.9
large print
letters with high readability for people with residual vision

3.10
raised characters
specially designed raised/embossed characters composing letters and numbers readable by touch

3.11
tactile readability
ease of reading braille and other tactile information by touch

[SOURCE: ISO 17049:2013, 2.5]

3.12
pictogram
graphical composition that may include a symbol plus other graphic elements, such as a border, background pattern or colour that is intended to convey specific information

[SOURCE: ISO 17840-1:2015, 2.14]

3.13
tactile walking surface indicator
TWSI
standardized walking surface used for information by persons with seeing impairment and blindness

4 Information contents to be displayed on tactile guide maps

4.1 Composition of a tactile guide map

A tactile guide map shall be composed of the following contents:

a) title;

b) commentary;

A commentary can be omitted when a tactile guide map does not need any description of the content. For a tactile map in a booklet form, a commentary may be placed separately.

c) legend;

A legend can be omitted if a tactile guide map only contains common and easily recognizable tactile marks without need of explanation and does not use abbreviations in braille and raised characters.

d) tactile figures;

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