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

This document is a preview generated by EVS

Reference number
ISO 19028:2016(E)

© ISO 2016

This document is a preview generated by EVS

COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

 © ISO 2016 – All rights reserved

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Information contents to be displayed on tactile guide maps **2**
5 Figuration of tactile guide maps **3**
6 Display methods **6**
7 Materials used for tactile guide maps **12**
Annex A (informative) **Japanese examples of tactile marks** **14**
Annex B (informative) **German examples of tactile marks** **18**
Annex C (informative) **Swedish examples of tactile marks** **26**
Bibliography **30**

This document is a preview generated by EVS

© ISO 2016 – All rights reserved

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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*.

This document is a preview generated by EVS

 © ISO 2016 – All rights reserved

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.

This document is a preview generated by EVS

© ISO 2016 – All rights reserved

This document is a preview generated by EVS

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

This document is a preview generated by EVS

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)

© ISO 2016 – All rights reserved