



## Braille Signage Guidelines

Approved April 2014

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The U.S. Americans with Disabilities Act (ADA) Accessibility Guidelines require the use of braille signage to ensure that people who cannot see to read print may safely access and use a building. This brochure is designed to provide basic guidelines about braille to assist with the production of braille signage. Resources for further assistance are also provided.

People who are blind or visually impaired benefit from braille signs that are placed in convenient and predictable locations. In addition, the braille should be presented horizontally and clear of the sign's edge, unobscured by the frame. Regulations requiring braille on signs have led to an increased presence of braille information in public areas, raising the expectation that braille will be provided in other useful contexts.

### What Is Braille?

Braille is a system of touch reading and writing in which the alphabet is represented by the arrangement of six dots in a space called a cell.

- A full cell is three dots high and two dots wide.
- The six dots of the cell are numbered 1, 2, 3 downward on the left and 4, 5, 6, downward on the right.
- A braille character may stand for a single letter of the alphabet, a whole word, a digit, a punctuation mark, or other symbols.
- Only 63 different dot combinations can be formed. The meaning and use of the dot combinations that make up braille characters in North American English follows standard codes defined by the Braille Authority of North America (BANA).
- English braille is read from left to right and top to bottom, the same way English print is read.

- The size of braille characters does not vary. For more information, see the BANA factsheet *Size and Spacing of Braille* at [www.brailleauthority.org/sizespacingofbraille](http://www.brailleauthority.org/sizespacingofbraille).

### The Braille Alphabet

⠁	⠃	⠉	⠇	⠑	⠋	⠎	⠒	⠔	⠖
a	b	c	d	e	f	g	h	i	j
⠅	⠇	⠓	⠗	⠕	⠏	⠞	⠚	⠘	⠜
k	l	m	n	o	p	q	r	s	t
⠡	⠢	⠨	⠦	⠣	⠤				
u	v	w	x	y	z				

### Contracted and Uncontracted Braille

For general text, the current braille code in the U. S. and Canada is Unified English Braille and contracted. (UEB). Text brailled in this code can be contracted or uncontracted.

Uncontracted braille communicates text using one braille character for each letter of the English alphabet, punctuation, or number. Indicators special to braille—such as the capital letter indicator and the numeric indicator—are also used. For example the word “stairs” in uncontracted braille would use one braille character for each letter, as presented below.

**stairs** ⠠⠠⠠⠠⠠⠠

In the example, which uses simulated braille, the heavy dots represent raised dots while the “shadow dots” represent the unused dots in the six-position configuration.

Contracted braille refers to combinations of the alphabet and symbols to represent words that appear frequently in the English language. It is preferred over spelling out words letter by letter and, thus, it is the most commonly used form of English braille.

- English braille has 180 contractions and shortform words.
- In the United States and Canada, contracted braille is routinely used for most books and magazines.





- Distance between corresponding dots in adjacent cells<sup>2</sup>: 0.241 (6.1 mm) to 0.300 (7.6 mm)
- Dot height: 0.025 (0.6 mm) to 0.037 (0.9 mm)
- Distance between corresponding dots from one cell directly below<sup>3</sup>: 0.395 (10 mm) to 0.400 (10.2 mm)

Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

Exception: Braille provided on elevator car controls shall be separated 3/16 inch (4.8 mm) minimum and shall be located either directly below or adjacent to the corresponding raised characters or symbols.

### **Foreign Language Code**

When transcribing foreign languages, consideration must be given to the country of origin. The code for transcribing any language, including English, depends on the prevailing language and the country in which the document is written. For example, Spanish braille is somewhat different when it is written in the United States, Mexico, England, or Spain. Commercial braille translation software is available for the proper generation of braille in a wide variety of languages and contexts.

### **Braille Translation and Proofreading**

Good braille copy for signs can be produced with commercial translation software that generates braille text and a suitable font that controls dot sizing and spacing. Although errors are infrequent when using such software, complete accuracy in every circumstance cannot be guaranteed. Therefore, braille copy should be proofread by qualified persons who know braille codes, and final sizing and spacing should be checked. Specialized braille-production services have the capacity to produce final braille copy.

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<sup>2</sup> Ibid

<sup>3</sup> Ibid

## Resources

American Council of the Blind  
2200 Wilson Blvd., Suite 650  
Arlington, VA 22201  
(202)467-5081, 800-424-8666  
Fax: (703) 465-5085  
[www.acb.org](http://www.acb.org)

American Foundation for the Blind  
Information Center  
2 Penn Plaza, Suite 1102  
New York, NY 10121  
(212)502-5658, 800-232-5463  
Fax: (646) 478-9555  
[www.afb.org](http://www.afb.org)

Braille Authority of North America  
[www.brailleauthority.org](http://www.brailleauthority.org)

CNIB (Canadian National Institute for the Blind)  
National Coordinator, Braille Production  
1929 Bayview Avenue  
Toronto ON  
M4G 3E8  
Canada  
[www.cnib.ca](http://www.cnib.ca)

Library of Congress  
National Library Service for the Blind and Physically Handicapped  
1291 Taylor Street, NW  
Washington, DC 20542  
(202) 707-5100, 800-424-8567  
[www.loc.gov/nls](http://www.loc.gov/nls)

National Federation of the Blind  
200 E. Wells Street at Jernigan Place  
Baltimore, MD 21230  
(410) 659-9314  
Fax: (410) 685-5653  
[www.nfb.org](http://www.nfb.org)

United States Department of Justice  
950 Pennsylvania Avenue, NW  
Washington, DC 20530-0001  
[www.usdoj.gov](http://www.usdoj.gov)

This fact sheet distributed by The Braille Authority of North America  
[www.brailleauthority.org](http://www.brailleauthority.org)

For more information about the Braille Authority of North America (BANA) and Unified English Braille (UEB), visit [www.brailleauthority.org](http://www.brailleauthority.org).