

**ANSI/WCMA A100.1-2010 (PS2)  
Revision of Provisional ANSI/WCMA A100.1-2009**

**2<sup>nd</sup> PROVISIONAL AMERICAN NATIONAL STANDARD  
FOR SAFETY OF  
CORDED WINDOW COVERING PRODUCTS**



**SPONSOR  
WINDOW COVERING MANUFACTURERS ASSOCIATION, INC.**

**This standard was approved September 3, 2010 under the procedures for the publication for a Provisional Standard in the ANSI Essential Requirements Annex B.**

Changes of the 2<sup>nd</sup> provisional standard are illustrated with revised text underlined.

Summary of revisions:

- Added or revised several definitions in Section 3 including a new definition for hazardous loops.
- Deleted prescriptive Roman style shades requirements in 4.5 and replaced them with performance requirements for determining hazardous loops in Sections 4.5 and 4.6 and new test requirements described in new Appendix C and new Appendix D.
- Eliminated cord release devices as a compliance path for Roman style shades.
- Added a roll-up style shade warning tag in Section 5.2.9.
- Revised requirements for instructions for length adjustable products in Section 5.3.
- Revised requirements for cord shroud devices in Section 6.4.
- Revised requirements for tension devices in Section 6.5.
- Revised requirements for stock blinds in Section 6.6.4.
- Added Appendix E note concerning wide lift cords.

## AMERICAN NATIONAL STANDARD

Some of the information contained in this document has been processed in accordance with ANSI's requirements for a Provisional American National Standard. It replaces Provisional Standard WCMA 100.1-2009 which is being withdrawn to coincide with the publication of this revision. The same or similar document will undergo the full standards development process set forth in the WCMA's accredited procedures. In accordance with ANSI procedures, this second Provisional ANS shall be withdrawn on or before the two year anniversary date of its approval, or before September 3, 2012.

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## FOREWORD

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## 1. SCOPE

1.1 The members of the Window Covering Manufacturers Association, Inc. (WCMA), recognizing that unfortunate accidents, including strangulation, have occurred among young children using certain products having flexible loops made or imported by members of the industry, have prepared this Standard in cooperation with the U.S. Consumer Product Safety Commission (CPSC).

WCMA members have been engaged in an extensive awareness program and have also furnished millions of devices to be used in a retrofit manner to reduce the chance of user injury.

This Standard is not intended to inhibit, but rather to encourage the development of devices and methods that shall further improve the safety of products manufactured by industry members. Manufacturers and other users of this Standard are requested to submit suggestions for improvements to WCMA.

Members of WCMA, in recognition of continuing improvements to be made, shall sponsor appropriate revisions to this Standard on a regular basis.

1.2 This Standard applies to all interior drapery hardware and window covering products that incorporate bead chains, cords, or any type of flexible looped device in their operation. The items covered include the products listed in 1.3 when used in all reasonably foreseeable environments where young children are present.

1.3 Window covering products covered include cellular shades, horizontal blinds, pleated shades, roll-up blinds, roller shades, Roman style shades, traverse rods, and vertical blinds, and stock and custom products. (See Section 3 for definitions of these terms.)

## 2. GENERAL

2.1 **Objective** The objective of this Standard is to provide requirements for covered products in 1.3 that reduce the possibility of injury, including strangulation, to young children from the bead chain, cord, or any type of flexible loop device used to operate the product.

2.2 **Values** Required values given in this Standard are given in U.S. units. The SI (metric) equivalents are approximate.

2.3 **Tolerances** Where only plus or minus values are given, they are permitted to be exceeded or reduced as appropriate at the option of the manufacturers. Linear dimensions expressed without specific tolerances or are not marked maximum or minimum shall be plus or minus 1/32 in. (1 mm).

## 3. DEFINITIONS

3.1 **Accessible Cords** Cords which are exposed from the front, back, or side of a properly installed window covering product and can be reached and pulled.

3.2 **Bead Chain** A series of small spheres, equally spaced on a cord or connected by metal shafts, and used to operate a window-covering product.

3.3 **Cellular Shades** Includes those products referenced and commonly known as Honeycomb Shades. (Figure 2.) These products are manufactured using a number of natural and artificial materials, which include but are not limited to, fabric, and polyester film. Cellular shade substrates consist of multiple layers (referenced to as a single, double or triple cell construction) of material formed into tubes or cells in a horizontal orientation.

3.4 **Combined Loop** A loop formed by a combination of cord and blind material, or cord and shade material that results in an opening between the parts comprising the loop.

3.5 **Cord Connector** A device used to join the ends of several individual cords and provide cord(s) for operation below the cord connector.

3.6 **Cord or Bead Loop** A curving or doubling of a bead chain or cord so as to form a closed loop.