Welcome to the AccessibilityOnline Webinar Series



A collaborative program between the ADA National Network and the U.S. Access Board



The Session is Scheduled to begin at 2:30pm Eastern Time We will be testing sound quality periodically

Audio and Visual are provided through the on-line webinar system. This session is closed captioned. Individuals may also listen via telephone by dialing 1-712-432-3100 code 930098 (This is **not** a Toll Free number)

The content and materials of this training are property of the US Access Board and the Great Lakes ADA Center and cannot be used and/or distributed without permission. This program is indued through a contract agreement with the U.S. Access Board. For permission to use training content or obtain copies of materials used as part of this program piease contact us by email at adata@adagreedlakes.org or toll free (577)222-1990 (VPTT)

www.AccessibilityOnline.org

1



Listening to the Webinar



- The audio for today's webinar is being broadcast through your computer. Please make sure your speakers are turned on or your headphones are plugged in.
- You can control the audio broadcast via the Audio & Video panel. You can adjust the sound by "sliding" the sound bar left or right.
- If you are having sound quality problems check your audio controls by going through the Audio Wizard which is accessed by selecting the microphone icon on the Audio & Video panel



2

Listening to the Webinar, continued



MOBILE Users (iPhone, iPad, or Android device and Kindle Fire HD)

Individuals may listen** to the session using the Blackboard Collaborate Mobile App (Available Free from the Apple Store, Google Play or Amazon)



**Closed Captioning is not visible via the Mobile App and limited accessibility for screen reader/Voiceover

AccessibilityOnline Webinar Series 10-02-14



Captioning



- · Real-time captioning is provided during this
- · The caption screen can be accessed by choosing the icon in the Audio & Video panel.



• Once selected you will have the option to resize the captioning window, change the font size and save the transcript.



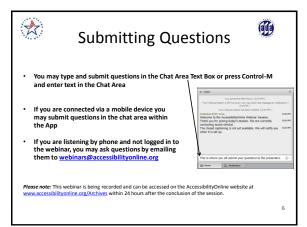
Listening to the Webinar, continued

If you do not have sound capabilities on your computer or prefer to listen by phone, dial:

1-712-432-3100

Pass Code: 930098

This is **not** a Toll Free number



AccessibilityOnline Webinar Series 10-02-14



Customize Your View



• Resize the Whiteboard where the Presentation slides are shown to make it smaller or larger by choosing from the drop down menu located above and to the left of the whiteboard. The default is "fit page"





Customize Your View continued



· Resize/Reposition the Chat, Participant and Audio & Video panels by "detaching" and using your mouse to reposition or "stretch/shrink". Each panel may be detached using the 🔳 icon in the upper right corner of each panel.

Setting Preferences

- Depending on your system settings you may receive visual and audible notifications when individuals enter/leave the webinar room or when other actions are taken by participants. This can be distracting.
- To turn off notifications (audible/visual)
 - Select "Edit" from the tool bar at the top of your screen
 - From the drop down menu select "Preferences"
 - Scroll down to "General"
 - select "Audible Notifications" Uncheck anything you don't want to receive and "apply"
 - Select "Visual Notifications" Uncheck anything you don't want to receive and "apply"
 - For Screen Reader User Set preferences through the setting options within the Activity Window (Ctrl+slash opens the activity window)

AccessibilityOnline Webinar Series 10-02-14



Technical Assistance



- If you experience any technical difficulties during the webinar:
 - Send a private chat message to the host by double clicking "Great Lakes ADA" in the participant list. A tab titled "Great Lakes ADA" will appear in the chat panel. Type your comment in the text box and "enter" (Keyboard - F6, Arrow up or down to locate "Great Lakes ADA" and select to send a message); or
 - 2. Email webinars@accessibilityonline.org; or
 - 3. Call 877-232-1990 (V/TTY)

10

"Building Blocks":
A Refresher
(ADA & ABA Standards)

Presenters







Dave Yanchulis

12

AccessibilityOnline Webinar Series 10-02-14

Session Agenda

- Operable Parts
- Clear Floor/ Knee & Toe Space
- Turning Space
- Floor & Ground Surfaces
- Protruding Objects



Chapter 3: Building Blocks

Basic specifications widely referenced throughout standards

Organized in one chapter for greater

Organized in one chapter for greater consistency, less redundancy



14

Chapter 3: Building Blocks

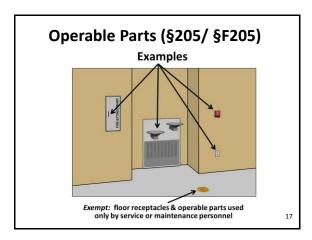
Example: clear floor space references

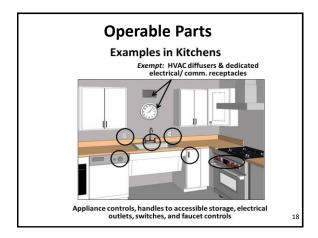


15

AccessibilityOnline Webinar Series 10-02-14







Operable Parts (§309)

- Accessible route
- Clear floor space
- Reach range
- Operability



19

Connecting Accessible Route



AR must adjoin one full unobstructed side of the space

20

Connecting Accessible Route

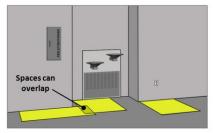


Alterations - connecting AR to altered elements required:

- if circulation path to element also altered or
- as part of accessible path of travel to altered primary function area (§202.3/ §F202.3, Ex. 1)

AccessibilityOnline Webinar Series 10-02-14

Clear Floor/ Ground Space (§305)



Clear floor space required at operable parts and other accessible elements (e.g., drinking fountains, lavatories and sinks, counters, dining/work surfaces, etc.)

Clear Floor/ Ground Space



Forward Approach: Required at dining/ work surfaces, DFs, lavatories, most sinks, urinals



Side Approach: Specified/ usually provided at sales & service counters, beds, and most appliances

Either approach allowed at other elements

Size/ Centering



Minimum size: 30" x 48" (unconfined)

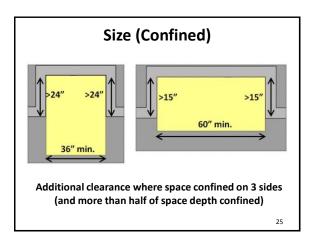


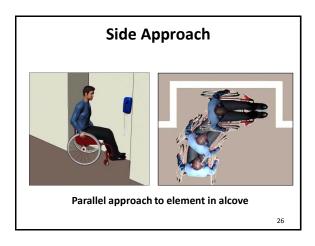


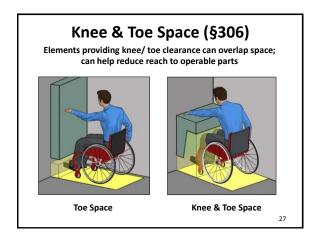


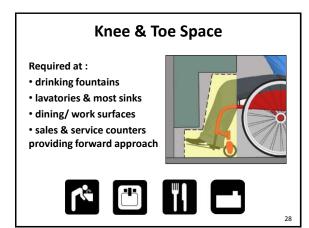
Centering = required at only certain elements: DFs, kitchen work surfaces, washers & dryers

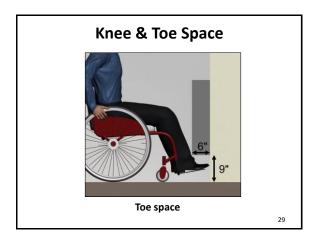
AccessibilityOnline Webinar Series 10-02-14

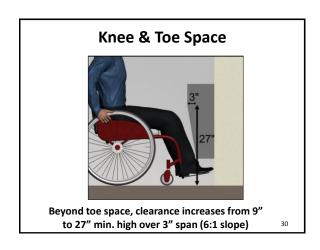




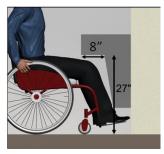








Knee & Toe Space



Knee Space (8" deep min. where knee space required)

3

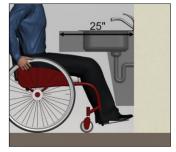
Knee & Toe Space



Required knee & toe space must be at least 17" deep

32

Knee & Toe Space



Additional depth must provide 27" min. clearance for knees (max. total depth 25")

33

AccessibilityOnline Webinar Series 10-02-14

Knee & Toe Space 25" Space beyond 25" depth is not usable

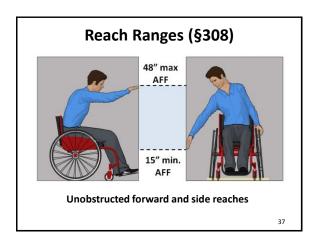
Knee & Toe Space

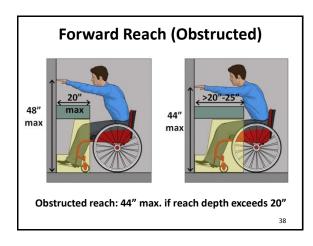


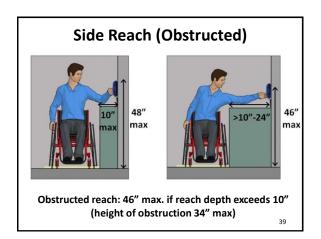
Obstructed reach cannot exceed depth of usable knee & toe space – also limited to 25" max

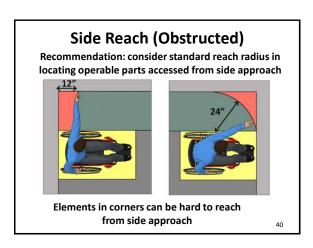
Knee & Toe Space No protrusions allowed into minimum knee & toe space (other than dip of overflow at sinks)

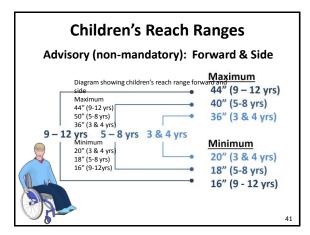
AccessibilityOnline Webinar Series 10-02-14 Basic Building Blocks: A Refresher

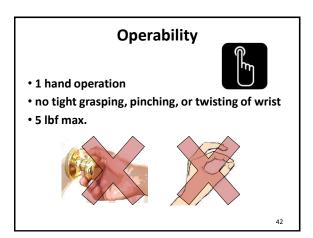










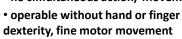


Operability Closed fist operation = good, but not mandatory Many other types comply (e.g., U-shaped pulls)

Operability

Recommended:

- buttons raised/flush (not recessed)
- no simultaneous action/ movement

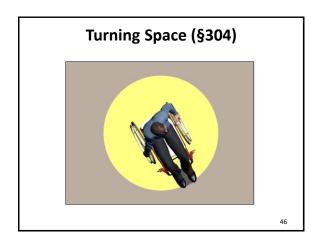


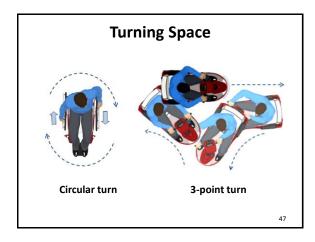


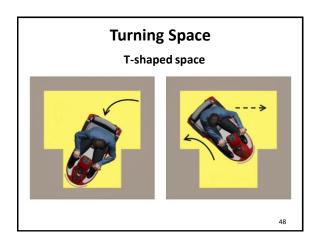
44

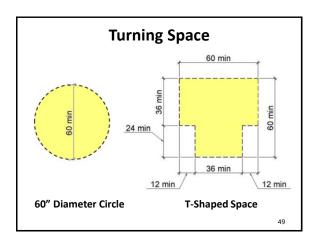
Turning Space

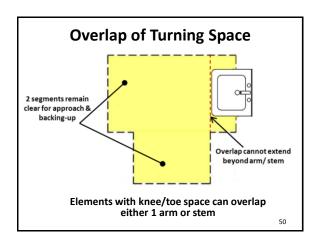
AccessibilityOnline Webinar Series 10-02-14 Basic Building Blocks: A Refresher

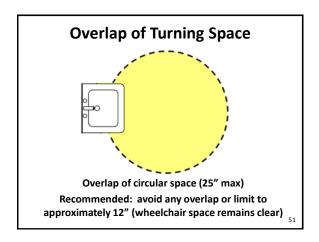


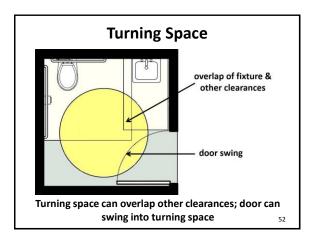












Where Turning Space is Required

- toilet/ bathing facilities
- dressing/ fitting/ locker rooms
- transient lodging guest rooms
- dwelling units (all rooms on accessible routes)
- patient bedrooms
- · holding and housing cells
- · saunas and steam rooms
- courtrooms (raised stations served by ramps)
- certain recreation spaces

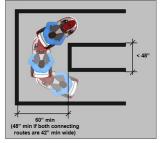








Where Turning Space is Required



Required at 180 degree turns around obstructions less

than 48" long (unless route at least 42" wide)

AccessibilityOnline Webinar Series 10-02-14

Floor or Ground Surfaces

Ground/ Floor Surfaces (§302)



Firm, stable, and "slip resistant"

5

Ground/ Floor Surfaces



Loose surface materials:

- most do not comply unless properly treated (e.g., binders, consolidants, compaction, and grid forms)
- repeated maintenance often required

57

AccessibilityOnline Webinar Series 10-02-14

Ground/ Floor Surfaces

Board sponsored longitudinal studies by National Center on Accessibility (NCA):

- Playground Surfaces (October 2013)
- Natural Trail Surface Materials (March 2014)

Reports available at www.ncaonline.org



Slip Resistance

Slip resistance – minimum level ("coefficient of friction") not specified



- Standard practices for minimizing slipperiness often suffice
- Specify according to likely conditions (e.g. exposure to moisture)

59

Surface Smoothness



Surface smoothness – changes in level Recommendation: Avoid rough surfaces composed of cobblestones, Belgian blocks, etc. = difficult/ painful to traverse

60

AccessibilityOnline Webinar Series 10-02-14

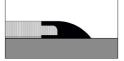
Carpet

- 1/2" max. pile height (measured to the backing, cushion, or pad)
- texture: level or textured loop, level cut pile, or level cut/uncut pile
- firm backing, cushions, pads (avoid cushions/ pads for greater firmness)
- firm securement, edging

61

Carpet

Trim required along exposed edges – must be fastened to the floor to prevent curling and meet changes in level specifications.





1/2" max height, 1:2 max beveled edge 1/4" max high - vertical edge permitted

62

Carpet



Securement/ attachment to prevent rolling or buckling (which makes maneuvering difficult)

6

AccessibilityOnline Webinar Series 10-02-14

Openings

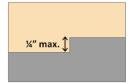
1/2" max. in one dimension

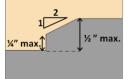
Long dimension = perpendicular to travel direction



64

Changes in Level (§303)





1/4" max. – no treatment

1/2" max. - 1:2 max. bevel

> ½" — treatment as ramp/ other means of vertical access

6

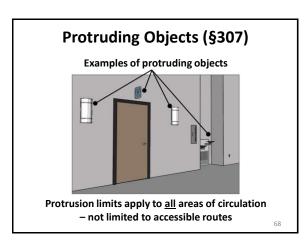
Changes in Level

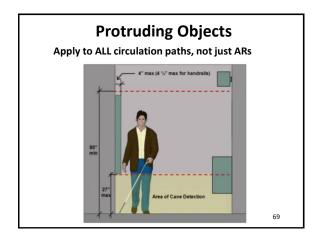


Apply to all level changes along accessible routes, including thresholds

AccessibilityOnline Webinar Series 10-02-14







Protruding Objects Drinking Fountains

Elements often recessed to comply (e.g., drinking fountains at standard heights)

Protruding Objects Recessed to limit projection to 4" Wheelchair accessible unit (27" high absolute) can enclose one side of high units

Protruding Objects

- Cannot reduce min. clear with required for accessible routes
- Cannot protrude into door maneuvering clearance

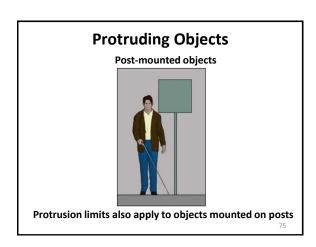


72

AccessibilityOnline Webinar Series 10-02-14

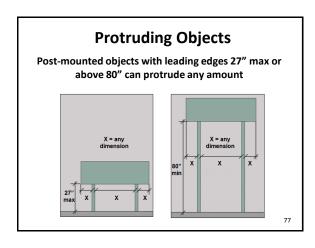
Door Maneuvering Clearance Wall thickness, elements can offset maneuvering clearance up to 8" from face of door

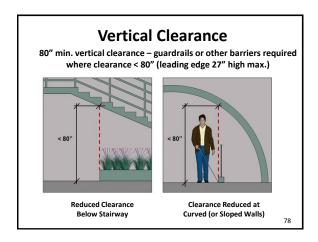
Door Maneuvering Clearance If recess > 8": maneuvering clearance for forward approach must be provided 8" max. from face of door



AccessibilityOnline Webinar Series 10-02-14

Protruding Objects Objects with leading edges 27"- 80" high on posts/ pylons: 12" max. protrusion into circulation paths.





AccessibilityOnline Webinar Series 10-02-14







(800) 872-2253 (voice) (800) 993-2822 (TTY)

E-mail: ta@access-board.gov www.access-board.gov

"Advancing Full Access and Inclusion for All"

81

AccessibilityOnline Webinar Series 10-02-14



Continuing Education



LA CES Provider Name: Great Lakes ADA Center
AICP Provider Name: Great Lakes ADA Center

LA CES

Course Title: Building Blocks: A Refresher (ADA & ABA Standards)
Course Number: GL20141002
Date: October 2, 2014

SAIGH MICH

Credits earned on completion of this course will be reported to AIA CES for AIA members and LA CES for those with an LA number. Certificates of Completion are available upon request.

This course is registered with AIA, LA CES, and AICP for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the professional organizations of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.

Questions will be addressed at the conclusion of this presentatio

82

Thank you for participating in today's webinar





Next session: November 6, 2014

Accessible Retail Stores and Spaces - "Advanced Session"
2:30 pm - 4:00 pm ET
www.accessibilityonline.org
(877) 232-1990 (v/TTY)

83

AccessibilityOnline Webinar Series 10-02-14