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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

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Customize Your View *continued*



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Open Questions and Answers Session

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Presenters



Bill Botten



Marsha Mazz



Rex Pace

U.S. Access Board

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Session Agenda

- Responses to previously submitted questions
- Open Q & A

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Topics

- Application
- Protruding objects
- Operable parts
- Accessible Routes
- Doors
- Parking
- Stairways
- Plumbing
- Signage
- Assembly areas
- Transient lodging
- Restaurants/dining
- Sales and service counters
- Residential facilities
- Swimming pools/spas
- Public Rights of Way

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About the Access Board

Providing leadership in accessible design



- Guidelines and Standards
- Technical Assistance
- Training and Outreach
- Research
- ABA Enforcement

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Webinar Series

- 1st Thursday of each month
- Schedule up to September 2013
 - April 4th – *Accessible Restaurants and Cafeterias*
 - May 2nd – *Accessible Elevators and Platforms Lifts*
 - June 6th – *Accessible Fire Alarms Systems*
 - July 11th – *Section 508 – Accessible Web Content (WAG 2.0)*
 - August 1st – *Accessible Transportation Facilities*
 - September 5th – *Open Q & A Session*
 - Topic ideas encouraged!

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Archived Webinars




- | | |
|-------------------------------------|----------------------------------------------------|
| • Means of Egress | • Webinars |
| • Amusement Rides | • Detention and Correctional Facilities |
| • Medical Diagnostic Equipment | • Miniature Golf |
| • Historic Buildings and Facilities | • Communication Elements and Features |
| • Assistive Listening Systems | • Accessible Courthouses and Courtrooms |
| | • Accessible Detention and Correctional Facilities |

<http://www.accessibilityonline.org/Archives/>

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Application

Application

Americans with Disabilities Act (ADA)	Architectural Barriers Act (ABA)
<ul style="list-style-type: none">• State and local governments • Places of public accommodation 	<ul style="list-style-type: none">• Facilities designed, built, altered, or leased with Federal funds. 

ADA vs. ABA

- Key differences
 - Employee work areas (203.9)
 - Equivalent facilitation (103)
 - Existing elements (F203.2)
 - Leasing (F202.6)
 - Vertical access (206.2.3)

New ADA Standards



DOJ's 2010 standards
(mandatory March 15)

**Based on the Board's
ADA-ABA Guidelines
(2004)**



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Alterations

- *"A change to a building or facility that affects or could affect the usability of the building or facility or portion thereof."*
- Alterations include, but are not limited to, remodeling, renovation, rehabilitation, reconstruction, historic restoration, resurfacing of circulation paths or vehicular ways, changes or rearrangement of the structural parts or elements, and changes or rearrangement in the plan configuration of walls and full-height partitions.
- Normal maintenance not considered an alteration unless it affects usability

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Employee Work Areas

"All or any portion of a space used only by employees and used only for work. Corridors, toilet rooms, kitchenettes and break rooms are not employee work areas."

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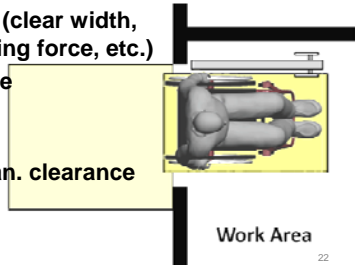
Work Areas

Access for “approach, entry, & exit”

- Door man. clearance (exterior)
- Compliant door (clear width, hardware, opening force, etc.)
- Clear floor space

Recommended:

- Interior door man. clearance
- Turning space



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Side-by-Side Comparison (original standards/ ADA-ABA guidelines/ IBC)

APPLICATION, ADMINISTRATION AND SCOPE		
ADA COMPLIANCE WITH APPLICATION AND ADMINISTRATION	2010 Standards for Accessible Design ¹ 5. ENFORCEMENT 5.1	International Building Code ² 107 SECTION 107.0 GENERAL
2010 Standard: "The minimum clearance for a wheelchair to approach, enter, and exit a doorway shall be 60 inches (1525 mm) for exterior doorways and 48 inches (1219 mm) for interior doorways. The minimum clearance for a wheelchair to approach, enter, and exit a doorway shall be 60 inches (1525 mm) for exterior doorways and 48 inches (1219 mm) for interior doorways. The minimum clearance for a wheelchair to approach, enter, and exit a doorway shall be 60 inches (1525 mm) for exterior doorways and 48 inches (1219 mm) for interior doorways." (ICC A117.1, 2010)	2010 Standard: "The minimum clear width for a wheelchair to approach, enter, and exit a doorway shall be 60 inches (1525 mm) for exterior doorways and 48 inches (1219 mm) for interior doorways. These guidelines apply to the unobstructed width of the doorway, not the width of the door frame or door leaf. The minimum clear width for a wheelchair to approach, enter, and exit a doorway shall be 60 inches (1525 mm) for exterior doorways and 48 inches (1219 mm) for interior doorways." (ICC A117.1, 2010)	2010 Standard: "The minimum clear width for a wheelchair to approach, enter, and exit a doorway shall be 60 inches (1525 mm) for exterior doorways and 48 inches (1219 mm) for interior doorways. These guidelines apply to the unobstructed width of the doorway, not the width of the door frame or door leaf. The minimum clear width for a wheelchair to approach, enter, and exit a doorway shall be 60 inches (1525 mm) for exterior doorways and 48 inches (1219 mm) for interior doorways." (ICC A117.1, 2010)

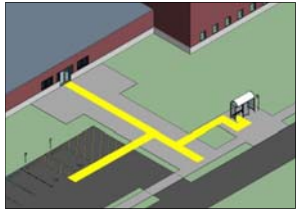
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Accessible Routes

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Accessible Routes

Connection to public streets and sidewalks, parking, passenger loading zones, public transportation stops



(Exception: site arrival by vehicle only)

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Protruding Objects

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Protruding Objects

Standards limit protrusions from walls and posts along all circulation paths, including stairways




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Doors

- ## Doors
- Use of chain link locks
 - Spring hinges vs. closers
 - Sliding doors – gaps in threshold

Hardware (404.2.7)

- 1 hand operation
- No tight grasping, pinching, twisting of wrist
- 5 lbf max. force
- Height: 34" – 48" AFF (exception for certain existing doors and gates at pools)



Hardware

Lever, pulls, and other types comply
Not compliant: rounded knobs



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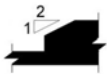
Hardware

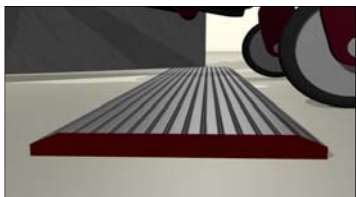
Closed fist/ loose grip operability =
good (but not required)



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Thresholds (404.2.5)

 $\frac{1}{2}$ " max. (beveled)
 $\frac{1}{4}$ " max. (vertical)
Existing/alterd: $\frac{3}{4}$ " (beveled) allowed



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Panic Hardware

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. **The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.**



• **404.2.9 Door and Gate Opening Force.** Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

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Parking

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Parking

- Length of van space
- Measuring slope of space
- Wheel stops
- On-street parking

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Van access aisle

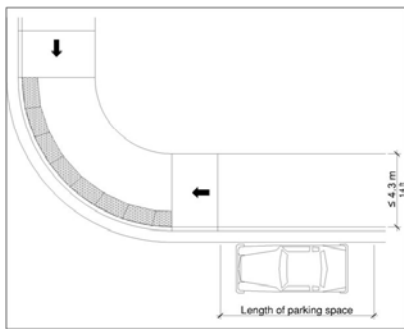
Recommendation: Provide access aisle for vans on the passenger side so that drivers do not have to back into the space



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On Street Parking



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Vehicle Overhang





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Stairways

Stairways

Covered: all stairs that are part of means of egress
(exceptions for altered and assembly stairs)



- Removed: level 12" h-rail extension at bottom
- Riser height (4"-7")

Plumbing

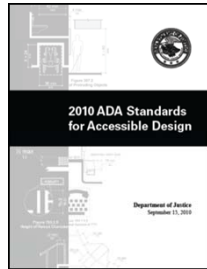
Plumbing

- Garden tubs
- Grab bars forces

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

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Using more stringent



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Shower Spray Unit

Hand-held shower spray unit

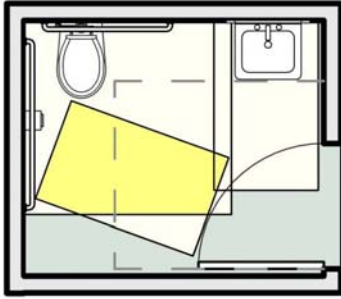
on/off control with “non-positive shut-off”



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Toilet Room

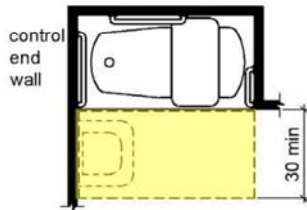


New standards: permit door swing into fixture clearances where unobstructed wheelchair space is available beyond it

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Lavatory in Tub Clear Floor Space

Clear floor space at tub with removable seat



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Bath Tub (removable seat)



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Children's elements

Elements designed specifically for use by children 12 and younger.

- drinking fountains (§602)
 - water closets and toilet compartments (§603)
 - lavatories and sinks (§606) and
 - dining and work surfaces (§902).
- Advisory notes on children's reach ranges (§301.1) and ramp handrails (§505.4)



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Children's Toilets

Advisory information provides guidance according to age group

	Ages 3 & 4	Ages 5 - 8	Ages 9 - 12
WC Centerline	12 in	12 - 15 in	15 - 18 in
Toilet Seat Height	11 - 12 in	12 - 15 in	15 - 17 in
Grab Bar Height	18 - 20 in	20 - 25 in	25 - 27 in
Dispenser Height	14 in	14 - 17 in	17 - 19 in

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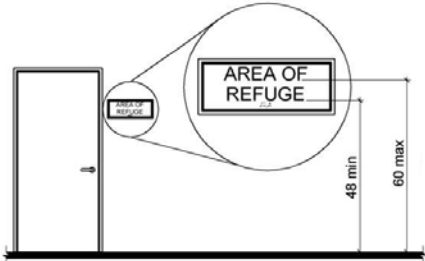
Signage

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Tactile Signs: Location

New standards:

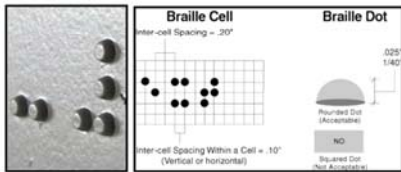
48" – 60" high measured to character baseline (instead of 60" centerline)



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Signage

- Are the braille dots indicated in the photo considered domed or rounded, in conformance to the 2010 ADA Standards?



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Assembly areas

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Transient Lodging

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Peepholes

Tip: Prisms/ lenses (door scopes) available that provide wide-angle view and are usable from standing and seated positions



(standards do not address peephole height)

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Mobility Features Scoping

224.2 Guest Rooms with Mobility Features (text version)

Total Number of Guest Rooms Provided	Minimum Number of Required Rooms without Roll-In Showers	Minimum Number of Required Rooms with Roll-In Showers	Total Number of Required Rooms
1 to 25	1	0	1
26 to 50	2	0	2
51 to 75	3	1	4
76 to 100	4	1	5
101 to 150	5	2	7
151 to 200	6	2	8
201 to 300	7	3	10
301 to 400	8	4	12
401 to 500	9	4	13
501 to 1000	2 percent of total	1 percent of total	3 percent of total
1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000	10, plus 1 for each 100, or fraction thereof, over 1000	30, plus 2 for each 100, or fraction thereof, over 1000

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Communication Features Scoping

224.4 Guest Rooms with Communication Features	
Total Number of Guest Rooms Provided	Minimum Number of Required Guest Rooms with Communication Features
2 to 25	2
26 to 50	4
51 to 75	7
76 to 100	9
101 to 150	12
151 to 200	14
201 to 300	17
301 to 400	20
401 to 500	22
501 to 1000	5 percent of total
1001 and over	50, plus 3 for each 100 over 1000

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Restaurants and Dining

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Dining

- Dispersion of accessible dining surfaces
- Toe clearance requirements
- New construction vs. alterations

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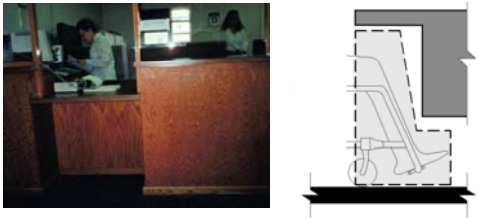
Sales and Service

Sales and Service Counters (904.4)
Parallel Approach



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Sales and Service Counters (904.4)
Forward Approach



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Residential facilities

- ## Residential
- Use of 2010 ADA Standards for HUD projects
 - Definition of a “kitchen”
 - Electrical outlets in kitchens
 - Walk-in closets
 - Kitchen storage space requirements

What is a Kitchen?

To be considered a kitchen (or kitchenette) a space must have at least one cooking element such as:

- A range or oven
- A cook top
- A microwave oven
- A convection oven

Non Kitchens



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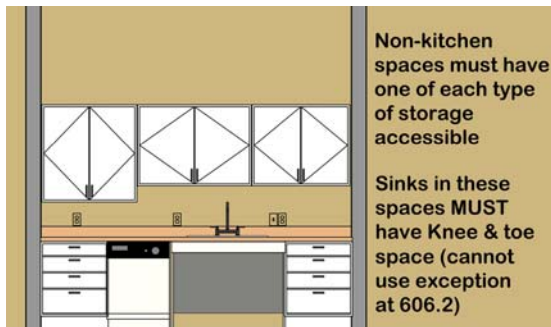
Non Kitchens

As the definition stated, to be a kitchen the space must have cooking facilities.

These spaces are not required to meet the 50% storage requirements of kitchens but where they have a sink it must always have knee and toe space if it is part of the 5% of sinks required to be accessible by 212.3 & F212.3.

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Storage in Non Kitchens

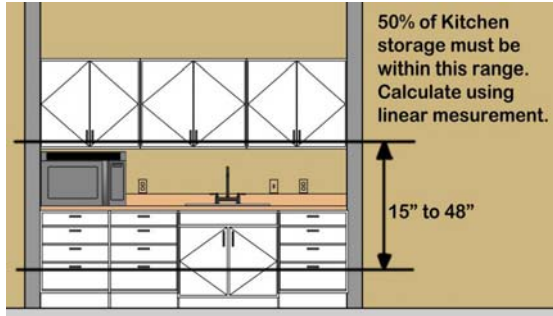


Non-kitchen spaces must have one of each type of storage accessible

Sinks in these spaces **MUST** have Knee & toe space (cannot use exception at 606.2)

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Kitchen Storage



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Public Rights of Way

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Pedestrian Bridges



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Public Rights of Way

- NPRM published July 26, 2011
- Over 600 comments received
- Next step regulatory assessment and final rule
- SNPRM Published on Shared Use Path Guidelines - to be included with PROW provisions



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Swimming pools/spas

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Spas

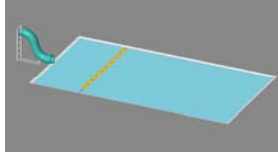
- At least one means of entry:
 - Lift - footrests not required
 - Transfer wall
 - Transfer system
- Where provided, in a cluster, 5% but not less than one



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Catch Pools



- “A pool or designated section of a pool used as a terminus for water slide flumes.”

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Questions?

You may type and submit questions in the Chat Area Text Box or press Control-M and enter text in the Chat Area

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**Thank you for participating
in today's webinar**



Next session:

Accessible Restaurants and Cafeterias

April 4, 2013

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