The United States Access Board is an independent federal agency that promotes equality for people with disabilities through leadership in accessible design and the development of accessibility guidelines and standards.

2010 ADA Standards for Accessible Design
ADA Coverage

**Private sector (title III)**
- Places of Public Accommodation
- Commercial Facilities

**Public Sector (title II)**
- State & Local Government Facilities
- Public transit facilities (titles II & III)

Existing facilities

*A facility in existence on any given date...*
What Standards Apply to ADA Existing Facilities?

• Title II — Program accessibility
  
• Title III — Readily achievable barrier removal

For more information, contact DOJ @ 800 514-0301

Safe Harbor – Existing Facilities

• Elements that comply with 1991 Standards do not need to be modified to meet the 2010 Standards unless those elements are altered on or after March 15, 2012.

Safe Harbor does not apply to elements in existing facilities that were not subject to specific requirements in the 1991 Standards

For more information, contact DOJ @ 800 514-0301
Elements in 2010 Standards Not Subject to Safe Harbor

(A) Residential facilities and dwelling units
(B) Amusement rides
(C) Recreational boating facilities
(D) Exercise machines and equipment
(E) Fishing piers and platforms
(F) Golf facilities
(G) Miniature golf facilities
(H) Play areas
(I) Saunas and steam rooms
(J) Swimming pools, wading pools, and spas
(K) Shooting facilities with firing positions,
(L) Miscellaneous.
(1) Team or player seating
(2) Accessible route to bowling lanes
(3) Accessible route in court sports facilities

For more information, contact DOJ @ 800 514-0301

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ABA Coverage

Applies to facilities designed, built, altered or leased with Federal funds

• Federal buildings (e.g., post offices)
• Non-Federal buildings (e.g., school built with Federal money)
Architectural Barriers Act (ABA)

- Federal facilities covered
  - Intended for use by the public OR may result in the employment or residence of individual with disabilities
  - Constructed or altered by, or on behalf of
  - Leased in whole or in part
  - Financed in whole or in part by a grant or loan

Plumbing Elements & Facilities (Chapter 6)

- Drinking Fountains
- Toilet & Bathing Rooms
- Water Closets & Toilet Compartments
- Urinals
- Lavatories & Sinks
- Bathtubs
- Shower Compartments
- Grab Bars
- Seats
- Washing Machines & Clothes Dryers
- Saunas & Steam Rooms
Drinking Fountains (211)

Where provided -- exterior site, floor, or secured area
- 2 required (wheelchair & standing access)
- Alternative: single unit with dual access (e.g., “hi-lo” units)
- Multiple installations: 50% of each type

Drinking Fountains (602)

- Forward approach - all wheelchair units
- Revised for spout location & water flow
- Clear floor space to be “centered”
- Height for standard units: 38 – 43 inches
Drinking Fountains & Bottle Fillers

combination of one fountain and bottle filler not “hi-low”

operable parts - reach over obstruction considerations

Toilet & Bathing Facilities (§213)

In new construction, all toilet and bathing facilities must be accessible, except:

• portable units (5% min)
• clustered single user toilet rooms (50% min)
Clustered Toilet Rooms
Access to at least 50% of single user toilet rooms clustered at 1 location & serving same users

Temporary facilities

F201.3 Temporary and Permanent Structures. These requirements shall apply to temporary and permanent buildings and facilities.

F213.2 Toilet Rooms and Bathing Rooms. 3. Where multiple single user portable toilet or bathing units are clustered at a single location, no more than 5 percent of the toilet units and bathing units at each cluster shall be required to comply with 603. Portable toilet units and bathing units complying with 603 shall be identified by the International Symbol of Accessibility complying with 703.7.2.1.
Private Toilet Rooms

“Adaptability” permitted:
• private (not common) use
• single occupant
• accessed only through private office

Toilet Rooms (§603)

Door maneuvering clearance (exterior)
Toilet Rooms
Wheelchair space beyond door swing

Toilet Rooms
Clear floor space at toilet for approach & transfer
Toilet Rooms

Turning space (circular or T-shaped)

Toilet Rooms

Clear floor space at fixtures & elements
Toilet Rooms

Interior door maneuvering clearance

Toilet & Bathing Rooms (603)

603.2.3 - Turning space (which door can swing into) and door clearances further define room size
Water Closets and Toilet (Stalls) Compartments (604)

Sections 604.2 and 604.3.2
- Range for toilet centerline
- Lavatory cannot overlap toilet clearance (except in dwelling units)

Water Closets and Toilet Compartments (604)

Section 604.5.2
- A fixture can be recessed
- Shorter (24” min.) rear grab bar allowed
Water Closets (604)

- Revised location for toilet paper dispenser (604.7)

**Water Closets (604)**

- Grab bars clearances (609.3) further determine location of non-recessed dispensers
Water Closets (604)

large dispensers can conflict with grab bar clearance

ICC/ANSI Standards - IBC

- ANSI A117.1 requires 18” min. vertical grab bar
  - 609.3 exception permits location
Toilet Stalls (§604.8)

56” min. (wall hung WC)
59” min. (floor-mounted or children’s WC)

Toilet Stalls

Door and WC: offset configuration
Toilet Stalls

Door must swing out.

Toilet Stalls

Toe clearance (9” min) below front and at least one side partition
Toilet Stalls

Tip: Configure stalls for a latch (instead of hinge) approach for better access

Toilet Stalls: End of Row

End-of-row stall incorporates aisle space into stall (door can swing in)
Toilet Stalls

Stalls with more than 1 plumbing fixture (toilet & lav) treated as toilet room

Second accessible lav required outside stall

Ambulatory Stall

Required where 6 or more stalls provided
Ambulatory Stall

Required where 6 or more stalls provided

- parallel grab bars
- width: 35” – 37”
- depth: 60” min.
- doors: out-swinging, self-closing

Urinals (605)

13½ min

if 2 are provided… minimum depth specified
Mirrors

- Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches maximum above the finish floor.

- Mirrors not located above lavatories the bottom edge of the reflecting surface 35 inches max. above the finish floor or ground.

Lavatories & Sinks (606)

- Apron clearance (29” min.) removed
Lavatories & Sinks (606)

Hand-operated metering faucets shall remain open for 10 seconds minimum

Lavatories

Locate controls & dispensers above, not beyond, usable CFS to be within reach
### Children’s Toilets
Advisory information provides guidance according to age group

<table>
<thead>
<tr>
<th></th>
<th>Ages 3 &amp; 4</th>
<th>Ages 5 - 8</th>
<th>Ages 9 - 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>WC Centerline</td>
<td>12 in</td>
<td>12 - 15 in</td>
<td>15 - 18 in</td>
</tr>
<tr>
<td>Toilet Seat Height</td>
<td>11 - 12 in</td>
<td>12 - 15 in</td>
<td>15 - 17 in</td>
</tr>
<tr>
<td>Grab Bar Height</td>
<td>18 - 20 in</td>
<td>20 - 25 in</td>
<td>25 - 27 in</td>
</tr>
<tr>
<td>Dispenser Height</td>
<td>14 in</td>
<td>14 - 17 in</td>
<td>17 - 19 in</td>
</tr>
</tbody>
</table>

### Bathing Facilities
Bathing Facilities (§603)

At least one shower or tub required

Options:
• transfer shower stall
• roll-in shower
• tubs

Transfer Stall

• Seat required
• ½” curb allowed
• Absolute stall dimensions
• Grab bars can be continuous or split
Transfer Stall

Stall dimensions: **absolute**, not minimum
36” measured at center point of wall

Clear floor space positioned for alignment with seat
Roll-in Shower

- Folding seating can be provided (required for some transient lodging guest rooms)
- ½” beveled curb allowed
- Grab bars can be continuous or split

Roll-in Shower (no seat)

Shower head and controls permitted on any wall if no seat provided
Roll-in Shower (with seat)
Shower head & controls required on back wall within reach from seat

Roll-in Shower (with seat)
Lavatory can overlap clear floor space, but must be opposite seat wall
Roll-in Shower (with seat)

Recommended: additional space (12” min.) beyond seat wall will allow better alignment with seat

Shower Compartments (608)

• alternate design permitted in any facility
Roll-in Showers

Other ways to control water:
• 2% max. slope allowed
• consider trench drain
• Resource from the Center for Universal Design
  www.design.ncsu.edu

Bath Tubs

Permanent seat
Communication Elements & Features (Chapter 7)

- Fire Alarm Systems
- Signs
- Telephones
- Detectable Warnings
- Assistive Listening Systems
- ATMs & Fare Machines
- Two-Way Communication Systems

Communication Elements

- Assistive Listening Systems (§219 & §706)
- ATMs & Fare Machines (§220 & §707)
- Two-way Communication Systems (§230 & §708)
Which signs must be raised and brailled?

Signs (§216)

• Tactile/visual – labels for permanent rooms & spaces, exit doors
• Visual only – directional or informational signs
• Exempt: temporary signs, building menus, directories, addresses, company names and logos
Tactile Signs

Scoping (interior & exterior):

- Restroom labels (at entry)
- Room numbers/ names (not likely to change)
- Floor levels
- Exit access/discharge
- Areas of Rescue Assistance

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Signs (216)

Required Signs
- Means of egress
- Parking
- Entrances
- Elevators
- Toilet and bathing rooms
- TTYs
- Assistive listening systems
- Check-out aisles
- Other Info Pictograms
- Directional Signs
Tactile Signs: Location
New standards:
48” – 60” high measured to character baseline (instead of 60” centerline)

Visual Characters (703.5)
- “Conventional form”
- Character proportion, height, & spacing
- Location (40” min. height)
- Stroke thickness
- Line spacing
- Finish & contrast
  (visual signs with raised characters & Braille subject only to finish & contrast specs of 703)
Fire Alarm Systems (215)

- **If Provided** – Must be audible and visible
- Employee work areas (wiring)
- Alterations: required where system is upgraded or replaced or a new one is installed

Fire Alarm Systems (702)

NFPA 72
(1999 or 2002)

ABAAS requires 110 dB max.
Assistive Listening Systems (219)

Required where:

• Audible communication = integral to use of the space, AND
• Audio amplification provided

Not triggered by fixed seating or occupant load

Chapter 8 - Special Rooms & Spaces

Assembly Areas
Dressing, Fitting, & Locker Rooms
Kitchens & Kitchenettes
Medical & Long-term care
Transient Lodging
Prison Cells
Courtrooms
Dwelling Units
Transportation Facilities
Storage
Assembly Areas (221)

Wheelchair Spaces

lower scoping for assembly areas with more than 500 seats:

- 501 – 5,000 seats: 1 space/ every 150 seats (instead of 1%)
- > 5,000: 0.5% scoping

Assembly Areas (221)

Dispersion of wheelchair spaces –

to provide choices of seating locations & viewing angles “substantially equal to, or better than,” the choices of all other spectators
Assembly Areas (221)

Other Changes:
• Companion seat for each space (can be movable)
• Designated aisle seats - 5% of aisle seats
• Lawn seating - accessible route

Wheelchair Spaces (802)

lines of sight over seated/standing spectators
Kitchens, Kitchenettes, & Sinks (212)

- New provision – applies where provided
- Covers sinks (5% or at least 1)
- Mop & service sinks exempted

Built-In Elements (Chapter 9)

- Dining & Work Surfaces
- Benches
- Check-Out Aisles & Service Counters
Dining & Work Surfaces (226)

Access to at least 5%, not fewer than 1

Sales & Service (227 and 904.4)

F227 Scoping
• Counters – 1 of each type
• Cash register not factor

904.4 Technical
• Accessible part same depth
• Parallel or forward approach
• No alternatives
• Exception for alterations
• Security glazing – voice communication
Sales & Service Counters (904)

Parallel Approach
- 36” min. length
- 36” max

Forward Approach
- 30” min. length
- 36” max
- Knee and Toe Clearance Under Counter

Work Surface (902)
- 34” max

Service Counter (904)
- 36” max
- 36” max
- 34” max
Recreation Facility Guidelines

- Amusement rides
- Boating facilities
- Fishing piers and platforms
- Sports facilities
- Play areas
- Golf courses
- Miniature golf courses
- Swimming pools, wading pools, and spas

"For the very first time, these rules will cover recreational facilities like amusement parks and marinas and gyms and golf facilities and swimming pools, and municipal facilities like courtrooms and prisons," Obama stated.

Recreational Boating Facilities

§235 & §1003
Recreational Boating Facilities

*Section 235*

- Number of boat slips required to be accessible (based on the number of slips provided)
- Dispersion of accessible boat slips throughout the various types provided
- Number of boarding piers at boat launch ramps required to be accessible.

Technical Provisions

*Section 1003*

- Fixed and floating facilities
- Accessible routes
- Gangways
- Accessible boat slips
- Boarding piers at boat launch ramps
Play Areas
§240 & §1008

Play Area Terms

Elevated Play Component
Use Zone
Ground-Level Accessible Route
Ground-Level Play Component
Determining Ground or Elevated Surface inspection and maintenance

Accessible ground surfaces must be inspected and maintained regularly & frequently to ensure continued compliance with ASTM 1951-99.
Longitudinal Study on Playground Surfaces

Sports facilities

(area of sport activity, exercise equipment, player team seating, bowling facilities, shooting facilities, saunas and steam rooms)
Sports facilities

- Area of sport activity: That portion of a room or space where the play or practice of sport occurs
- Accessible route to each area of sport activity
- Exempt from firm, stable, and slip resistant surface provision

Team player seating areas

- Platform lift permitted
Swimming pools and Spas
§242 & §1009

Swimming pools (242.2)

- Required means of access into the water
  - Over 300 linear ft of pool wall = 2 (one primary)
  - Less than 300 linear ft of pool wall = 1
  - lift or sloped entry
**PERMITTED MEANS OF POOL ACCESS**

<table>
<thead>
<tr>
<th>POOL TYPE</th>
<th>SLOPED ENTRY</th>
<th>LIFT</th>
<th>TRANSFER WALLS</th>
<th>TRANSFER SYSTEMS</th>
<th>STAIRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swimming (less than 300 linear feet of pool wall)</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swimming (300 or more linear feet of pool wall) — two means of entry required</td>
<td>✓*</td>
<td>✓*</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Wave action, leisure river, and other pools where user entry is limited to one area</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wading pools</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spas</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

*Primary means must be by sloped entry or lift, secondary means can be any of the permitted types.

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**Technical Assistance**

- Publications and guides
- On-line guide
- Newsletter
- Webinar series

United States Access Board
Utilize your Regional ADA Center

1-800-949-4232   www.adata.org

Where to direct questions

U.S. Department of Justice

• Implementing regulation and additional requirements
• Requirements for existing facilities – title II & III

(800) 514-0301 (voice)
(800) 514-0383 (TTY)
www.ada.gov

U.S. Access Board

• 2010 Accessibility Standards for new construction and alterations

(800) 872-2253 (voice)
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