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.

Who we are...

WASHINGTON, DC

The US Access Board is an independent Federal agency charged to develop accessibility guidelines for new construction and alteration under several laws.

The Access Board is the Federal government’s accessibility specialist. Our mandate includes responsibility for:

- rulemaking (developing guidelines);
- technical assistance and training;
- research, and

What we do...
Current ADA Standards

Department of Justice’s 2010 Standards
March 15, 2012

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)

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)
• Current Standard - ABAAS
enforcing ABA standards for Federal agencies.

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 courthouses and prisons,” Obama stated.

Amusement rides

- One of the following per ride
  - Wheelchair space OR
  - Ride seat designed for transfer OR
  - Use of a transfer device
- YOUR CHOICE
Boating facilities

- Marinas, public piers with boat slips
- Fixed and floating (not ferry docks)

Boating facilities

- Gangway slope - connecting floating facilities
  - Design for 1:12 maximum slope OR provide up to an 80 foot gangway
  - Less than 25 boat slips design for 1:12 maximum slope OR provide up to a 30 foot gangway
### Boating facilities

- Number of accessible boat slips
- Uses modified ADAAG parking table
- Dispersed among the different types

<table>
<thead>
<tr>
<th>Boat Slips Provided</th>
<th>Minimum Accessible</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-25</td>
<td>1</td>
</tr>
<tr>
<td>26-50</td>
<td>2</td>
</tr>
<tr>
<td>51-100</td>
<td>3</td>
</tr>
<tr>
<td>101-150</td>
<td>4</td>
</tr>
<tr>
<td>151-200</td>
<td>5</td>
</tr>
<tr>
<td>201-300</td>
<td>6</td>
</tr>
<tr>
<td>301-500</td>
<td>7</td>
</tr>
<tr>
<td>501-600</td>
<td>8</td>
</tr>
<tr>
<td>601-700</td>
<td>9</td>
</tr>
<tr>
<td>701-800</td>
<td>10</td>
</tr>
<tr>
<td>801-900</td>
<td>11</td>
</tr>
<tr>
<td>901-1000</td>
<td>12</td>
</tr>
<tr>
<td>1001 and over *</td>
<td>*2 x 1 for each 100 or fraction thereof</td>
</tr>
</tbody>
</table>

**Accessible boat slip** = 60 inches width of clear pier space
Where obstructed, at least one opening of 60 inches in width every 10 feet
Edge protection permitted
Boating facilities

- Boarding piers at launch ramps
- Where gangways connect
  - Design for 1:12 OR provide up to a 30 ft. gangway
- Accessible route within boat launch ramp – maximum slope does not apply

Fishing piers and platforms

- Accessible routes serving floating piers/platforms
- Use boating gangway exceptions
- Design gangway to 1:12 OR provide up to a 30 ft. gangway
Fishing piers and platforms

- Railings - Where provided
- Maximum 34 inch height for 25% of the railing lowered railing dispersed
- Exception: where a guard is provided which complies with ICC/IBC

Fishing piers and platforms

- Edge protection where railings are provided
- 2 inch minimum
- 30 inches x 48 inches clear space
- At least one maneuvering space

Play Area Accessibility Guidelines
Play Area Terms

Ground level play components

- Approached and exited at ground level

Elevated play components

- Approached from elevated level
- Attached to composite play structure
- Components (counted once)
Determining Ground or Elevated

Ground-Level Requirements

- "One of Each Type"
- More than one — integrated in the play area
Minimum Number of Elevated Components

50% of all elevated play components in a play area must be reached by an accessible route.

20 or more elevated components:
25% ramp + 25% ramp and/or transfer = 50%

Less than 20 elevated components:
ramp and/or transfer = 50%

Minimum Number of Different Types of Ground Level Play Components Required to be on Accessible Route

The table below provides the minimum number of different types of ground level play components required to be on accessible routes based on the number of elevated components provided:

<table>
<thead>
<tr>
<th>Number of Elevated Play Components</th>
<th>Minimum Quantity of Ground Level Play Components</th>
<th>Minimum Number of Different Types of Ground Level Play Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-24</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>25-28</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>29-32</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>33-36</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>37-40</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>41-44</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>45-48</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>49-52</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>53-56</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>57-60</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

Ground Level Accessible Routes

- Surface
- Clear width
- Clear width reductions
- Changes in level
- Running Slope
- Cross Slope
- Openings
- Vertical Clearance
Surfaces within the Use Zone

If located within the use zone, the accessible ground surfaces must also be impact attenuating (ASTM 1292-99)

Surface inspection and maintenance

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

Elevated Accessible Routes

- Ramps
- Transfer Systems
### Longitudinal Study on Playground Surfaces

**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

**Area of sport activity**

Court Sports – Accessible route to directly connect both sides of the court
Exercise equipment and machines

- At least one of each type of equipment or machines

Exercise Equipment and Machines

- No requirement to modify equipment
- Clear space at equipment
- Controls and operating mechanisms exempt

Dressing, Fitting, & Locker Rooms

Access to at least 5% of each type of locker, in each cluster.
**[changing] Benches (903)**

- Clear floor space (parallel-short axis)
- Size: (42” min. long, 20" – 24" deep)

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**Swimming pools**

- Required means of access into the water
  - Over 300 linear ft of pool wall = 2
  - Less than 300 linear ft of pool wall = 1 lift or sloped entry

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**Permitted Means of Pool Access**

<table>
<thead>
<tr>
<th>Pool Type</th>
<th>Slope</th>
<th>Lift</th>
<th>Transfer Hoist</th>
<th>Transfer Platform</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)</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wave action, leisure, 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>Pool halls</td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steps</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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**United States Access Board**
Sloped Entry

Fig. 72
Sloped Entry Submerged Depth
- Extend to 24 inches to 30 inches below stationary water level
- 1:12 maximum slope
- Handrails - 33 inches min - 38 inches max clear width

Sloped entry

- Located where water does not exceed 48 inches
- Footrests – must be provided and move with seat

Fig. 71
Pool Lift Submerged Depth
Pool lift

Armrest – if provided opposite water shall be removable or fold in raised or load position

Capable of unassisted operation – both deck and water

Transfer Wall

- Clear deck space - 60 inches x 60 inches, slope 1:48 maximum
- Height – 16 inches to 19 inches
Transfer System

- Platform
  - 19 in min depth
  - 24 in clear width
  - 16 in to 19 in height
- Surface – not sharp and rounded edges

Pool Stairs

- Comply with stairs provisions, except as modified
- Handrail width 20 to 24 inches
- Extensions not required at bottom landing

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
Wading pools

- At least one sloped entry - handrails not required
- Extend to the deepest part of the wading pool

Temporary facilities

Access Board Resources

- TA Guide
- FAQ’s
- Webinars
- Access Currents
- Completed Research
Technical Assistance Material

http://www.access-board.gov/indexes/pubsindex.htm

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)
(800) 993-2822 (TTY)
(202) 272-0081 (FAX)
ta@access-board.gov
www.access-board.gov

Outdoor Developed Areas

- Trails
- Picnic/Camping
- Beach Access Routes
- Viewing areas

UNITED STATES ACCESS BOARD
<table>
<thead>
<tr>
<th>Covered</th>
<th>Not Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Facilities constructed or altered by</td>
<td>• Facilities subject to ADA</td>
</tr>
<tr>
<td>– Federal agencies</td>
<td>• ADA facilities built or altered with Federal grants and loans (ABA)</td>
</tr>
<tr>
<td>– Non-federal entities constructing facilities on federal land on</td>
<td></td>
</tr>
<tr>
<td>behalf of federal agencies e.g., a concession contract, partnership</td>
<td></td>
</tr>
<tr>
<td>agreement, or similar arrangement</td>
<td></td>
</tr>
</tbody>
</table>

**Effective November 25, 2013**

**New construction and alterations**

**Conditional exceptions**

- Apply on a provision-by-provision basis
- Where full compliance with a technical provision is not possible because of the limitations and constraints included in the conditional exceptions...
- “extent practicable”
Conditional exceptions

• Compliance is not practicable due to terrain

• Compliance cannot be accomplished with the prevailing construction practices

Conditional exceptions

• Compliance would fundamentally alter the function or purpose of the facility or the setting

• Compliance is precluded by the:
  - Endangered Species Act;
  - National Environmental Policy Act;
  - National Historic Preservation Act;
  - Wilderness Act; or
  - Other Federal, State, or local laws

Permissible Uses of Conditions for Exceptions

<table>
<thead>
<tr>
<th>Exception Permitted For</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoor Constructed Features - clear ground space</td>
<td>Alterations Only</td>
</tr>
<tr>
<td>Tent Pad/Tent Platforms - any provision</td>
<td>New Construction or Alterations</td>
</tr>
<tr>
<td>Camp Shelters - any provision</td>
<td>New Construction or Alterations</td>
</tr>
<tr>
<td>Outdoor Recreation Access Routes at Camping facilities</td>
<td>Alterations Only</td>
</tr>
<tr>
<td>Picnic facilities, and Trailheads - any provision</td>
<td>New Construction or Alterations</td>
</tr>
<tr>
<td>Viewing Areas - any provision</td>
<td>Alterations Only</td>
</tr>
<tr>
<td>Outdoor Recreation Access Routes to Viewing Areas -- any provision</td>
<td>New Construction or Alterations</td>
</tr>
<tr>
<td>Beach Access routes - any provision</td>
<td>New Construction or Alterations</td>
</tr>
</tbody>
</table>
Trails

- Pedestrian route developed primarily for outdoor recreational purposes
- Newly constructed/altered trail directly connected to a trailhead or another trail that substantially complies with guidelines
- Conditional exceptions permitted – new and altered
- Shared use paths to be addressed in separate rulemaking

Trailheads

- Outdoor space developed to serve as an access point to a trail
  - Not a junction of two or more trails where no other access point is provided
- 20% of each type of outdoor constructed feature provided within trailhead to be accessible

Trails

- 36 inches minimum width
- Passing spaces – every 1,000 feet where less than 60 inches in width
- Tread obstacles – 2 inches maximum, except concrete, asphalt, or board = ½ inch
- Openings – ½ inch maximum
Research Projects

National Trails Surface Study

Trail Slope/Grade

<table>
<thead>
<tr>
<th>Running Slope of Trail Segment</th>
<th>Maximum Length of Segment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steeper than 1:20</td>
<td>200 feet (61 m)</td>
</tr>
<tr>
<td>But not Steeper than 1:12</td>
<td>30 feet (9 m)</td>
</tr>
<tr>
<td>1:12</td>
<td>10 feet (3050 mm)</td>
</tr>
<tr>
<td>1:10</td>
<td></td>
</tr>
</tbody>
</table>

Trails

- Cross slope – 1:20 max, except concrete, asphalt, or boards = 1:48
- Resting intervals – 60 in. long, alongside trail + turning space, slope 1:20 max, except concrete, asphalt, or boards = 1:48
- Gates and barriers – clear width, gate hardware
Outdoor constructed features

- Picnic tables
- Fire rings
- Grills
- Fireplaces and woodstoves
- Trash and recycling containers
- Water hydrants
- Utility and sewage hookups
- Outdoor rinsing showers
- Benches
- Viewing Scopes

Outdoor constructed features

- **Scoping** - Camping facilities, Picnic facilities; Viewing areas, Trailheads, and Trails
- Outdoor constructed features are not scoped at beaches

Picnic facilities

- At least 20% of picnic units in picnic facility where two or more picnic units are provided
- Two or fewer = each accessible
Picnic facilities

- 20% of outdoor constructed features in public and common use areas serving accessible picnic units
- Dispersion of accessible picnic units required
- ORAR connection

Camping facilities

<table>
<thead>
<tr>
<th>Total Number of Camping Units Provided in Camping Facility</th>
<th>Minimum Number of Accessible Camping Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2 to 25</td>
<td>2</td>
</tr>
<tr>
<td>26 to 50</td>
<td>3</td>
</tr>
<tr>
<td>51 to 75</td>
<td>4</td>
</tr>
<tr>
<td>76 to 100</td>
<td>5</td>
</tr>
<tr>
<td>101 to 150</td>
<td>7</td>
</tr>
<tr>
<td>151 to 200</td>
<td>8</td>
</tr>
<tr>
<td>201 and over</td>
<td>8, plus 2 percent of the number over 200</td>
</tr>
</tbody>
</table>

Beach access routes

Where required –

The construction or alteration of any of the following facilities to serve the beach:

1. Circulation paths;
2. Parking facilities;
3. Toilet facilities; or
4. Bathing facilities

Exception limits the cost of the beach access route to no more than 20 percent of the cost of constructing or altering the facilities
Beach access routes

- Permanent or removable
- Minimum number – at least one for each ½ mile of shoreline managed by the entity
- Not required to exceed the number of pedestrian access points to a beach provided by the entity

Connections -
- High tide level
- Mean high water
- Normal recreation pool
- Clear width - 60 inches min.
- Surface - firm and stable
- Obstacles - 1 inch max, except concrete, asphalt, or boards = ½ inch

United States Access Board

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