Using the ADA and ABA Standards Series: Chapter 10: Recreation Facilities

Presenters

U.S. Access Board

Bill Botten  
Training & TA Coordinator

Sarah Pressley  
Accessibility Specialist
Agenda

• Amusement Rides
• Recreational Boating Facilities
• Fishing Piers and Platforms
• Play Areas
• Golf Facilities
• Miniature Golf Facilities
• Sports Facilities
• Swimming Pools, Wading pools, and Spas
• Outdoor Developed Areas (Federal Sites)

Amusement Rides

§234 & §1002
Amusement rides

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

Exceptions
Other provisions

• Accessible route to load/unload areas
• Alterations provisions
• Signage
Recreational Boating Facilities

§235 & §1003

Recreational boating facilities §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 §1003

- Fixed and floating facilities
- Accessible routes
- Gangways
- Accessible boat slips
- Boarding piers at boat launch ramps

Gangway slope

- Gangway slope – connecting floating facilities
  - Design for 1:12 maximum slope OR provide at least an 80 foot gangway
Gangway – small facilities

Less than 25 boat slips, the slope of the gangway may exceed 1:12 (8:33%), if the gangway is at least 30 feet long.

Transfer methods

Not required by the standards
Fishing Piers and Platforms
§237 & §1005

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

- Edge protection where railings are provided
  - 2 inch minimum
  - 30 inches x 48 inches clear space
  - At least one maneuvering space
Play Areas
§240 & §1008

The play area standards do not apply to:

• Play areas designed for children under 2 years old

• Family childcare facilities where the proprietor resides

• Amusement attractions
Play area terms

Elevated Play Component

Elevated Accessible Route

Use Zone

Ground-Level Accessible Route

Ground-Level Play Component

Ground level accessible routes

- Surface
- Clear width
- Clear width reductions
- Changes in level

- Running Slope
- Cross Slope
- Openings
- Protruding Objects
Ground level play components

- Approached and exited at ground level
- One of Each Type

Elevated play components

- Approached from elevated level
- Attached to composite play structure
- Components (counted once)
Minimum number of elevated components

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

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

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

Determining ground or elevated

AccessibilityOnline
Chapter 10: Recreation Facilities
December 3, 2020
Referenced standards

- **ASTM F 1292-99 or 04** - Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment.
- Use of “Equivalent facilitation” for more recently published versions of these standards.

Surface inspection and maintenance

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

Longitudinal Study on Playground Surfaces

Selecting an Accessible Play Surface
Is One of the Most Important Decisions

The following recommendations are based on our comprehensive study of playground surfaces and their impact on accessibility.

1. **Longitudinal Assessment**
   - Select a comprehensive planning and design process.
   - Consider the accessibility needs for all users.
   - Include the input of experts and community members.

2. **Longitudinal Study**
   - Evaluate playground surfaces in various settings.
   - Compare the performance of different surfaces under various conditions.

3. **Selecting a Surface**
   - Choose surfaces that provide a comfortable and safe playing environment.
   - Consider factors such as durability, maintenance requirements, and user safety.

4. **Accessibility Considerations**
   - Ensure that surfaces are accessible to all users, including those with disabilities.
   - Incorporate features such as ramps, accessible play areas, and soft surfaces.

5. **Maintenance and Inspection**
   - Regularly inspect playground surfaces for damage and maintenance needs.
   - Address any issues promptly to ensure safe play conditions.

6. **Inclusive Design**
   - Design playgrounds that accommodate users of all abilities.
   - Include features such as sensory engagement zones and quiet spaces.

7. **Community Engagement**
   - Involve the community in the planning and design process.
   - Seek feedback from users to ensure the playground meets their needs.

8. **Sustainability**
   - Choose surfaces that are sustainable and environmentally friendly.
   - Consider materials that are low maintenance and cost-effective.

**Conclusion**

By following these recommendations, playground owners can create an inclusive and accessible environment for all users. Regular evaluation and maintenance will ensure that the playground remains an inviting space for everyone to enjoy.
Natural feature play components

Water play components

Ground level access and transfer access to elevated play components required
Soft contained play structure entry points

A play structure made of one or more components where the user enters a fully enclosed environment that utilizes pliable materials, such as plastic, netting, or fabric.

▪ 3 or fewer entry points = 1 on accessible route
▪ 4 or more entry points = 2 on accessible route

Transfer system permitted

Sports facilities

(area of sport activity, exercise equipment, player team seating, bowling facilities, shooting facilities)
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
Area of sport activity

Court Sports –

Accessible route to directly connect both sides of the court

General Exceptions

• Recreation Facilities
• Raised structures used solely for refereeing, judging, or scoring a sport
• Raised boxing/wrestling rings
• Water slides and raised diving boards/platforms
• Animal containment areas not open to the public
Dressing, Fitting, & Locker Rooms

Access to at least 5% of each type of locker, in each cluster.

[changing] Benches (§903)

Size: (42” min. long, 20” – 24” deep)
clear floor space (parallel-short axis)
Exercise equipment and machines

- At least one of each type of equipment or machines
- No requirement to modify equipment
- Clear space at equipment
- Controls and operating mechanisms exempt

Exercise equipment and machines

- Provide a 30 in x 48 in clear space and be served by accessible route
- Positioned for use by an individual using a mobility device
- Clear floor space or ground space for more than one piece of equipment permitted to overlap
Golf facilities

§238 & §1006

Golf facilities

TECHNICAL PROVISIONS

§1006

• Golf car passage
• Teeing grounds
• Putting greens
• Weather shelters
• Practice facilities
Golf courses

• In lieu of a compliant accessible route

• Golf car passage – “Continuous passage on which a motorized golf car can operate”

• 48 inch minimum width

• 60 inches min. width if handrails are provided

Golf courses

• Putting greens – each putting green designed and constructed so that a golf car can enter and exit
Driving ranges

- Where teeing stations or practice teeing grounds are provided, at least 5%, not less than one

Miniature Golf facilities

§239 & §1007
Miniature golf course configuration

- 50% of holes required to be accessible and consecutive
- Exception permits one break, provided the last hole is included
- AR can not travel back through completed holes

Miniature golf

- Accessible route may be provided on the playing surface or adjacent to
Golf club reach range

*Note: 1:20 maximum slope

Fig. 63
Golf Club Reach Range

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>POOL LIFT</th>
<th>TRANSFER WALLS</th>
<th>TRANSFER SYSTEMS</th>
<th>STAIRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swimming pools &lt; 300 linear ft.</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swimming pools &gt; 300 linear ft. pool wall (2 means of entry req.)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Wave action, leisure river, &amp; other pools where user entry is limited to one area</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Wading pools</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spas</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Sloped entries (§1009.3)

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 entries

- Handrail height - 34 and 38 inches to the top of the gripping surface
- Handrail extensions required at top landing but not at the bottom
Pool lift location (§1009.2.1)

- Located where water does not exceed 48 inches
- Exception - Where the entire pool depth is greater than 48 inches
- No more than one required to be located in an area where the water level is 48 inches maximum

Pool lift (§1009.2.6)

- Armrests – if provided opposite water shall be removable or fold in raised or load position
- Footrests – must be provided and move with seat
Pool lift operation (§1009.2.7)

Capable of unassisted operation – both deck and water

Transfer walls (§1009.4.1 & §1009.4.2)

- Clear deck space -
- 60 inches x 60 inches
  slope 1:48 maximum
- Height – 16 inches to 19 inches
Grab bars (§1009.4.5)

- At least one
- Perpendicular to the pool wall and full depth of the transfer wall
- Gripping surface 4 to 6 inches above transfer walls.
- Where two grab bars - clearance between grab bars 24 inches minimum

Transfer system (§1009.5.1)

- Platform
  - 19 in min depth
  - 24 in clear width
  - 16 in to 19 in height
- Surface – not sharp and rounded edges
Pool stairs (§1009.6)

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

Spas (§242.4)

- 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
Outdoor Developed Areas

F244 – F248, 1011 – 1019

- Trails
- Camping Facilities
- Picnic Facilities
- Viewing Areas
- Beach Access Routes

Technical Assistance

- Publications and guides
- On-line guide
- Newsletter
- Webinar series
- New website
Questions?

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

U.S. Access Board
(800) 872-2253 (voice)
(800) 993-2822 (TTY)
E-mail: ta@access-board.gov
www.access-board.gov
Continuing Education

AIA Provider Number: I017
AICP Provider Name: Great Lakes ADA Center

Course Title: Using the ADA and ABA Standards Series: Chapter 10: Recreation Facilities
Course Number: GL20201203
Date: December 3, 2020

Credits earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion are available upon request.

This course is registered with AIA, ICC 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 presentation.

Thank you for participating in today’s webinar

Next session:

Interior and Exterior Accessible Routes

January 7, 2021
www.accessibilityonline.org
(877) 232-1990 (v/TTY)