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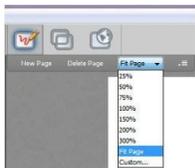
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Customize Your View *continued*



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Accessible Play Areas "Advanced Session"

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Presenters



Peggy Greenwell



Bill Botten

"Advancing Full Access and Inclusion for All"

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Session Agenda

- Coverage
- Referenced standards
- Alterations
- Clarifying terms and application of standards
- Ground level scoping provisions
- Technical provisions
- Playground surfaces
- Soft contained play structures

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Current ADA Standards

Department of Justice's 2010 Standards
March 15, 2012



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Covered

- State and local governments – schools, municipal parks and recreation departments, state parks, etc.
- Places of public accommodation - privately run day care, private schools, quick serve restaurants, shopping malls, etc.

Not Covered

- Child care centers that are actually run by religious entities such as a church run day care which includes religious instruction
- Private residential – HOA

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Existing play areas

- What about “grandfathering” and “safe harbor”? Are there requirements to address existing play areas that are covered by the ADA?
- What if we don’t have the budget to make changes?

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What about Existing ADA Play Areas?

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

*For more information,
contact DOJ @ 800 514-0301*

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Architectural Barriers Act (ABA) Accessibility Standards



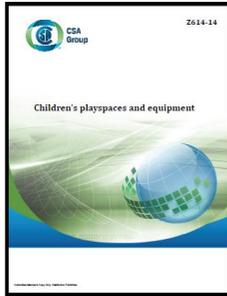
- Buildings and facilities constructed, altered or leased by or on behalf of the federal government and facilities constructed with Federal financial assistance allocated for the construction
- Employee day care centers, federal parks, other Federal leased facilities
- Play area accessibility standards effective May 8, 2006 - GSA



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Canadian Standards Association (CSA)

- CAN/CSA Z614, Annex H
- Annex H - requirements for Children's play spaces and equipment developed by the CSA Technical Committee.
- New construction and alterations.



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The play area standards also do not apply to:

- Play areas designed for children under 2 years old
- Family childcare facilities where the proprietor resides
- Amusement attractions



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Referenced Standards

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Referenced standards



- **ASTM F 1487-01** - Standard Consumer Safety Performance Specification for Playground Equipment for Public Use.
- **ASTM F 1292- 99 or 04** - Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment.
- **ASTM F 1951-99** - Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment
- Use of “Equivalent facilitation” for more recently published versions of these standards

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ASTM F 1487-01

- Defines the use zone as the ground area beneath and immediately adjacent to a play structure or play equipment .

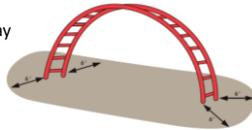


Figure 8. Use zone surrounding a handclimbing arch vibrator

- Provides for unrestricted circulation around the equipment and on whose surfaces where it is predicted that a user would land when falling from or exiting play structures or equipment

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ASTM F 1292-99 or 04



- If located within the use zone, the accessible ground surfaces must also be impact attenuating
- No values shall exceed:
 - 200 g-max
 - 1000 HIC

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ASTM F 1951-99

- Wheelchair Work Test Method
- A lab test in a controlled environment
- 7% ramp used as baseline
- Measures work per sq. ft. for straight propulsion and turning.
- Records data applied to push rim over 6 ½ ft. distance



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Alterations

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Alterations vs. Maintenance

Normal maintenance activities such as replacing worn “S” hooks or topping off ground surfaces are not considered alterations.



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Alterations

- Actions that affect, or could affect, the usability of the play area.



- Examples include removing a climbing play component & replacing it with a spring rocker, or changing the ground surfacing.

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Alterations

Additional Requirements

- When altering a “primary function area”

- Area altered must be in compliance with ADA or ABA Accessibility Standards
- Provide “path of travel” to the altered area

- 20% Disproportionality Rule



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When altering the play component...not the surface



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Replacing the entire ground surface...



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Clarifying Terms and Application of Play Area Standards

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Play Area

- Contains play components
- Designed and constructed for children



Applying the standards



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Applying the standards

Play Area

- A portion of a site containing play components designed and constructed for children.



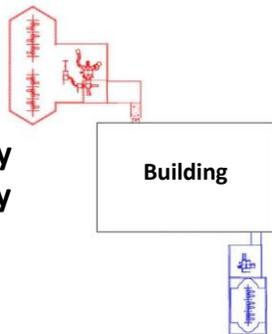
Area of Sport Activity

- That portion of a room or space where the play or practice of a sport occurs.



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Geographically Separated Play Areas



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Multiple play areas on same site



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What is a Play Component?

A play component is an element designed to generate specific opportunities for play, socialization, and learning.



Natural feature play components



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Determining Ground or Elevated

Ground-Level Play Component



Elevated Play Component



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Can a free standing slide still be considered a ground-level accessible play component if it has another play component attached to one of its' posts, such as a play panel or a post climber?



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Ground Level Scoping Provisions

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Ground-level Requirement One of Each Type



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Ground-Level Requirements



More than one — integrated in the play area

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Minimum number based on the number of elevated play components provided

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

Number of Elevated Play Components	Min. Number of Ground Level Components Required to be on Accessible Route	Min. Number of Different Types of Ground Level Components Required to be on Accessible Route
1	Not applicable	Not applicable
2 to 4	1	1
5 to 7	2	2
8 to 10	3	3
11 to 13	4	3
14 to 16	5	3
17 to 19	6	3
20 to 22	7	4
23 to 25	8	4
More than 25	8 plus 1 for each additional 3 over 25, or fraction thereof	5

- Minimum quantity of ground-level play components
- Minimum number of different types

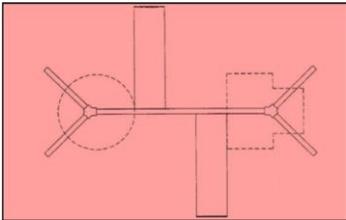
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Technical Provisions

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Vertical clearance

- 80 inch vertical clearance required on ground level routes, clear floor spaces, and maneuvering spaces.



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Ground Level Accessible Routes



- Surface
- Clear width
- Clear width reductions
- Changes in level
- Running Slope
- Cross Slope
- Openings
- Protruding Objects

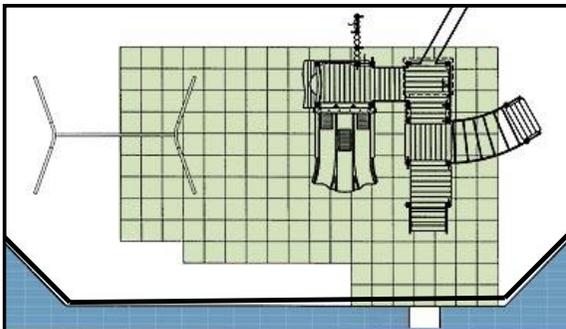
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Ground-level Accessible Route



Clear width 60 inches minimum

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Smaller Play Areas < 1000 sq.ft. must have:
- Ground accessible routes that are 44 inches in width
- Wheelchair turning space if route exceeds 30 ft. in length.

Clear width reductions



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Playground Surfaces

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5 Categories of Surfaces

1. Engineered wood fiber product
2. Shredded rubber / crumb rubber
3. Unitary rubber mat / tile surfaces
4. Unitary rubber "poured in place" surfaces
5. Combination or hybrid surface systems under development

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Longitudinal Assessment

NCA Playground Surface Study



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Rubber Tiles



COMMON ACCESSIBILITY ISSUES

Puncture holes and shifting seams creating openings and changes in level

Seam separation

Settling of subsurface

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Hybrid Surface Systems



COMMON ACCESSIBILITY ISSUES

Seams may separate or detach from border

Shifting of loose fill in base layer

Static electricity

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Field Testing



ASTM F1292-99/04
Impact Attenuation
Field Test: TRIAX



ASTM F1951-99
Wheelchair Work Force
Field Test: Rotational Penetrometer

Soft Contained Play Structures

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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.



Transfer system permitted



▪3 or fewer entry points = 1 on accessible route

▪4 or more entry points = 2 on accessible route

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Access Board Resources

- TA Guide
- FAQ's
- Webinars
- *Access Currents*
- Completed Research



Online Guides to the ADA / ABA Standards

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Questions?

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Thank you for participating
in today's webinar



Next session: March 5, 2015

"Open Question and Answer Session"

2:30 pm – 4:00 pm

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Continuing Education



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



Course Title: Accessible Play Areas-Advance Session
Course Number: GL20150205
Date: February 5, 2015



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