

ADA Audio Conference Series January 17, 2012

This session is scheduled to begin at 2:00pm Eastern Time

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1





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2

Refresh on the 2010 ADA Accessibility Standards

By:

Earlene Sesker, Accessibility Specialist US Access Board

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2010 ADA Standards

- 1. Application & Administration
- 2. Scoping Requirements
- 3. Building Blocks
- 4. Accessible Routes
- 5. General Site & Building Elements
- 6. Plumbing Elements & Facilities
- 7. Communication Elements & Features
- 8. Special Rooms, Spaces & Elements
- 9. Built-In Elements
- 10. Recreation Facilities

2010 ADA Standards

- Better access and compliance
- Improved format and usability
- Consistency with ABA guidelines
- Harmonization: model building codes and industry standards

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Format

- Numbering System
- New figures (informational only)
- All dimensions stated in text
- New advisory notes (non-mandatory)

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Using the New ADA Standards

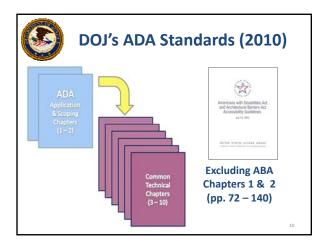
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Content of the new ADA standards



Based on the Board's updated ADA Accessibility Guidelines – "ADAAG" (2004)

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Additional Design Requirements (DOJ's regulations)

- Social Service Center Establishments
- Housing at Places of Education
- Assembly Areas
- Medical Care Facilities
- Residential Dwelling Units
- Detention and Correctional Facilities
- Places of Lodging

11

DOJ's ADA Standards (2010)

Apply to construction/ alteration of:

- state & local government facilities (title II)
- places of public accommodation (title III)
- commercial facilities (title III)



Except: transportation facilities (covered by similar standards issued by DOT in 2006)

Referenced Standards

- powered doors (ANSI/BHMA A156.10 & A156.19)
- elevators and lifts (ASME A17.1 & A18.1)
- egress (IBC)
- alarms (NFPA 72)
- play surfacing & equipment (ASTM standards)

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Earlier ADAAG Supplements

- State & Local Gov't Facilities (1998)
- •Children's Environments (1998)
- •Play Areas (2000)
- •Recreation Facilities (2002)

Included in the 2010 Standards without substantive changes

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Subject Index (pp. 294 – 304)

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New Construction

All areas must comply except:

- Exempted structures/ spaces
- Work areas (ADA facilities)
- Partially scoped spaces

16

Accessible Parking Scoping

Van Accessible Spaces

- 1 van space for every 6 accessible spaces required *
- There will always be at least one van space required

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Access Aisle Markings

Guidelines Require

"marked so as to discourage parking in them" *

Specific requirements may be a function of local code for regulating parking

Parking Space Signs

- International Symbol of Access required to designate and reserve accessible spaces
- 60 inches minimum to bottom of sign *
- "Van Accessible" added for van spaces
- Exception: sign not required where 4 or fewer spaces are provided *



Van Accessible

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19

Passenger Loading Zones



At least 1 for every 100 linear ft. of loading zone space provided

20

Passenger Loading at Entrance

• Canopy not required (2010 ADA Standard)



Opening Force

Exterior Doors: Automation Recommended



GSA

Required at GSA buildings (Public Building Service Standards)

Entrances (206.4)

At least 60% of public entrances must comply

Public entrance = any entrance that is not a service or restricted entrance

23

Secured Entrances (404.1)

Doors operated <u>only</u> by security personnel exempt from provisions for:

- Hardware (404.2.7)
- Closing speed (404.2.8)
- Opening force (404.2.9)



(automated doors subject to clear width & threshold requirements only)

Maneuvering Clearance

Compliance with 404.2.4 required for:

- Power-assisted doors
- Automatic doors on accessible MOE (except those with standby power or that stay open in power-off mode)



25

Maneuvering Clearances



Hospital Patient Rooms: latch side clearance not required at entry doors (404.2.4, exception)

Door Surface (404.2.10)

Bottom 10" must be smooth (full width of door)



Kick plates can be used to protect door

Vision Lights (404.2.11)



If provided, vision lights: 43" max. AFF (not required if bottom edge is above 66")

28

Break Out Opening



Doors on MOE: 32" min. clear break out opening (emergency mode)

Unless:

- Door has standby power
 - or
- Compliant manual door serves the same MOE

Controls





Wheelchair space at controls must be outside the door swing

Accessible Routes

Elevator Exceptions

Public (Government) sector:

2 story – access not required to non-public floor with max. occupancy of 5 (e.g., boat traffic tower)

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Accessible Routes

New exception for press boxes

- 500 sq ft or less (aggregate)
- on bleachers entered on 1 level
- or elevated 12' or more (free standing)



32

Accessible Routes

Clarifications

- access not req'd if no pedestrian route provided
- if circulation path interior, accessible route must be interior
- mezzanines vertical access not req'd where elevator not req'd

Accessible Means of Egress

- Reference to the International Building Code (IBC)
- Standby power for platform lifts on egress routes



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Detectable warnings



35

Detectable Warnings

Required on boarding platform edges only (and curb ramps covered by DOT standards)

No longer required at:

- curb ramps (except at transportation facilities covered by DOT standards)
- hazardous vehicular areas

Rulemaking on public rights-of-way to revisit issue

Work Areas (203.9)

- "approach, entry, & exit"
- circulation paths (in areas ≥ 1000 sq ft)
- means of egress

• Turning space

• visual alarm connection

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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

Work Area

Work Areas Accessible circulation paths Exceptions: • areas < 1000 sq. ft. • paths = integral part of equipment • exterior areas fully exposed to weather

Toilet Rooms

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Private Toilet Rooms

"Adaptable" access permitted

- •private (not common) use
- •single occupant
- •accessed only through private office

(clarified in the new ADA-ABA standards)



Private Toilet Rooms

Adaptability allows:

- later provision of grab bars (reinforcement/ blocking)
- alternative toilet seat & lavatory heights
- removable base cabinetry at lavs
- door swing into fixture clearances (where swing can be reversed)

Clustered Toilet Rooms

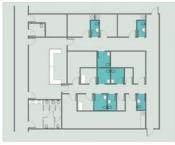
New exception:

Access to at least <u>50%</u> of single user toilet rooms <u>clustered</u> at one location that serve <u>same users</u> (instead of 100%)

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Clustered Toilet Rooms

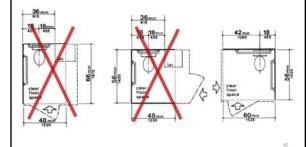
Example: medical office suite



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Water Closets

Original ADAAG (fig. 28) permitted overlap



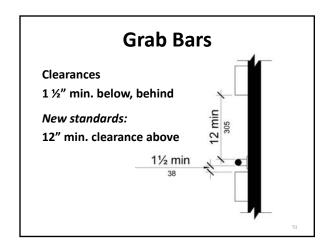
Water Closet Clearance No longer permitted under new standards









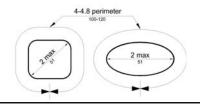


Grab Bars

Diameter: 1 1/4" - 1 1/2"

New standards:

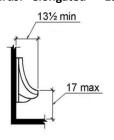
- 1 ¼" 2"
- specifications for non-circular cross sections



Urinals

17" max. height, elongated rim

New standards: "elongated" = 13 ½" min.



Children's Toilets

Alternate Specifications:

• WC centerline: 12" - 18"

• WC seat height: 11" - 17"

• Grab bar height: 18" - 27"

• Dispenser height: 14" - 19"

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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

55

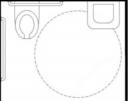
Toilet Stalls

Lavs in toilet stalls

New standards:

Stalls with more >1 plumbing fixture treated as toilet <u>room</u>

Second accessible lav required outside stall

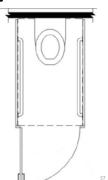


Ambulatory Stall

- parallel grab bars
- width: 36" (absolute)
- doors: out-swinging, self-closing

New standards:

- width 35" 37"
- depth: 60" min.



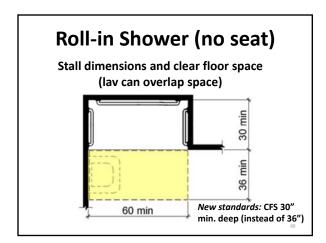
Bathing Facilities

Transfer Stall

Stall dimensions: absolute, not minimum

New standards: 36" measured at center point

Grab bars can be continuous or split



Shower Spray Unit

Hand-held shower spray unit required for showers and tubs (exception for "unmonitored" facilities)

New standards:

- •on/off control
- water temperature (120 degrees max.)



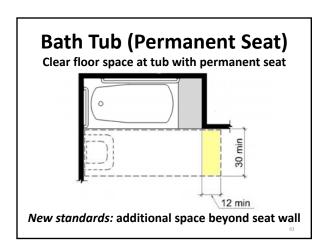
New standards: specifications for L-shaped and rectangular seats

22-23

seat wall

21/2 max

21/2 max



Residential Dwelling Units

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Residential Dwelling Units

Guidelines apply primarily to State or local government housing and public accommodations housing

(Fair Housing Act covers multi-multi-family housing in public and private sectors)



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Residential Dwelling Units

Scoping:

- 5% wheelchair accessible
- 2% communication access features
- Recognize coverage by HUD 504 regulations
- Exception for facilities with 15 or fewer units
- Units for sale (DOJ or HUD regs)

Residential Dwelling Units

Residential Facilities vs. Transient Lodging (definitions)

Residential: long-term in nature, used as residence

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Transient: short-term in nature, not used as residence



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Assembly areas

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Assembly Areas

Wheelchair Spaces

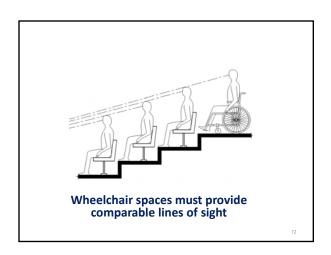
lower scoping for assembly areas with more than 500 seats:

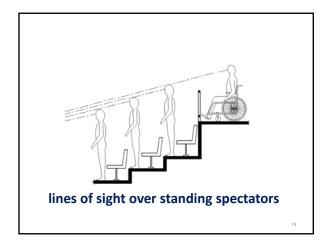


- 501 5,000 seats: 1 space/ every 150 seats (instead of 1%)
- > 5,000: 0.5% scoping

Assembly Areas Horizontal Dispersion Exception (300 seats max.) if: spaces & companion seats located in the 2nd or 3rd quartile of row 1st Quartile 2nd Quartile 3rd Quartile 4th Quartile

Assembly Areas Vertical Dispersion Exception (300 seats max.) if: viewing angles = or better than the average viewing angles in the assembly area





Fire Alarms

NFPA 72 (1999 or 2002)

guidelines require 110 dB max.



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Fire Alarms

NFPA 72 covers:

- flash rate & pulse duration
- location wall & ceiling
- minimum intensity
- larger coverage thru fewer appliances
- many spaces (other than corridors) can be covered by 1 appliance
- synchronization of multiple appliances

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Signs

- Raised characters
- Braille
- Visual characters
- Pictograms



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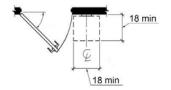
Signs

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

Signs

Location (tactile signs)

- latch side of doors, 60" high (to centerline) New standards:
- more detail, 48" 60" height, allowed on push side of doors (without hold-open devices)



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Telephones

- Volume controls on all public phones
- 20 dB (12 dB intermediate step)
- Automatic reset

TTYs:

- 34" min. height keyboard (unless seats provided)
- Revised scoping



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Assistive Listening Systems

Required where:

- audible communication = integral to use of the space and
- audio amplification
- courtrooms

Not triggered by fixed seating or occupant load New technical criteria (sound pressure level, signal-to-noise ratio, peak clipping level)

ATMs and Fare Machines

Access to 1 of each type at each location

- speech output
- privacy
- input controls
- display screen
- Braille instructions (for speech mode)



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Two-Way Communication Systems

Audible and visual signals required



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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

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Thank you for participating in today's ADA-Audio Conference Session

The 2011-2012 Schedule is available on-line

The next scheduled session is: Planning A Trip: What You Need To Know About Making Hotel Reservations February 21, 2012

Register at: www.ada-audio.org or call 866-232-1990 V/TTY