

# 1-1 – 12

## 101(NEW)

**Proponent:** Kimberly Paarlberg, International Code Council

**Add new text as follows:**

### **101 Title**

These technical criteria shall be known as Accessible and Usable Buildings and Facilities, hereinafter referred to as 'this standard'.

**Reason:** The quantity of change proposals submitted by International Code Council is reflective of three elements of our work: 1. ICC is the Secretariat for the Standard and some changes reflect inconsistencies or improvements suggested by staff; 2. ICC develops and publishes a Commentary on the standard and writing the commentary illuminates issues of the text and figures; and 3. ICC provides an interpretation service for the standard which results in the observation of provisions the users find most confusing.

The standard lacks a title section found in most codes and standards. While that is not a significant problem by itself, title sections provide the vehicle by which the phrase 'this standard' which is used frequently in the standard will have meaning.

Committee Action:           AS                   AM                   D

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101, 404.2.6, 405.1, 502.1, 602.1, 602.4, 603.1, 605.1, 606.1, 607.1, 608.1, 609.1, 611.1, 702.1, 703.1, 704.1, 706.1, 707.1, 708.1, 803.1, 803.5, 804.1, 902.1, 902.5, 903.1, 904.1, 904.3.2, 905.1, 905.3, 1002.2, 1002.11.2, 1003.2, 1003.11.2, 1003.11.2.5, 1004.2, 1004.11.3.2, 1004.11.3.2.3, 1102.1, 1103.1, 1104.1

**Proponent:** Ed Roether, representing the ADA/A117 Harmonization Task Group

### Revise as follows:

**101 Purpose.** The technical criteria in Chapters 3 through 9, Sections 1002, 1003 and 1006 and Chapter 11 of this standard make sites, facilities, buildings and elements **accessible** to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness and hearing impairment, in coordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of these sections is to allow a person with a physical disability to independently get to, enter, and use a site, facility, building, or element.

Section 1004 of this standard provides criteria for Type B units. These criteria are intended to be consistent with the intent of the criteria of the U.S. Department of Housing and Urban Development (HUD) Fair Housing **Accessibility** Guidelines. The Type B units are intended to supplement, not replace, **Accessible** units or Type A units as specified in this standard.

Section 1005 of this standard provides criteria for minimal **accessibility** features for one and two family dwelling units and townhouses which are not covered by the U.S. Department of Housing and Urban Development (HUD) Fair Housing **Accessibility** Guidelines.

This standard is intended for adoption by government agencies and by organizations setting model codes to achieve uniformity in the technical design criteria in building codes and other regulations.

**101.1 Applicability.** Sites, facilities, buildings, and elements required to be **accessible** shall comply with the applicable provisions of Chapters 3 through 9 and Chapter 11. Dwelling units and sleeping units shall comply with the applicable provisions of Chapter 10.

### 103 Compliance Alternatives

Nothing in this standard is intended to prevent the use of designs, products, or technologies as alternatives to those prescribed by this standard, provided they result in equivalent or greater **accessibility** and such equivalency is approved by the administrative authority adopting this standard.

### 106.5 Defined Terms.

**accessible:** Describes a site, building, facility, or portion thereof that complies with this standard.

### 201 General

This standard provides technical criteria for making sites, facilities, buildings, and elements **accessible**. The administrative authority shall provide scoping provisions to specify the extent to which these technical criteria apply. These scoping provisions shall address the application of this standard to: each building and occupancy type; new construction, alterations, temporary facilities, and existing buildings; specific site and building elements; and to multiple elements or spaces provided within a site or building.

### 202 Dwelling and Sleeping Units

Chapter 10 of this standard contains dwelling unit and sleeping unit criteria for **Accessible** units, Type A units, Type B units, Type C (Visitable) dwelling units and units with **accessible** communication features. The administrative authority shall specify, in separate scoping provisions, the extent to which these

technical criteria apply. These scoping provisions shall address the types and numbers of units required to comply with each set of unit criteria.

**305.6 Approach.** One full, unobstructed side of the clear floor space shall adjoin or overlap an accessible route or adjoin another clear floor space.

**307.5 Required Clear Width.** Protruding objects shall not reduce the clear width required for accessible routes.

**309.1 General.** Operable parts required to be accessible shall comply with Section 309.

**401.1 Scope.** Accessible routes required by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 4.

**402.1 General.** Accessible routes shall comply with Section 402.

**402.2 Components.** Accessible routes shall consist of one or more of the following components: Walking surfaces with a slope not steeper than 1:20, doors and doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable portions of this standard.

**402.3 Revolving Doors, Revolving Gates, and Turnstiles.** Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

**403.1 General.** Walking surfaces that are a part of an accessible route shall comply with Section 403.

**403.5 Clear Width.** The clear width of an accessible route shall be 36 inches (915 mm) minimum.

**EXCEPTION:** The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided the reduced width segments are separated by segments that are 48 inches (1220 mm) minimum in length and 36 inches (915 mm) minimum in width.

**403.5.1 Clear Width at 180 Degree Turn.** Where an accessible route makes a 180 degree turn around an object that is less than 48 inches (1220 mm) in width, clear widths shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum during the turn, and 42 inches (1065 mm) minimum leaving the turn.

**EXCEPTION:** Section 403.5.1 shall not apply where the clear width during the turn is 60 inches (1525 mm) minimum.

**403.5.2 Passing Space.** An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing spaces shall be either a 60-inch (1525 mm) minimum by 60-inch (1525 mm) minimum space, or an intersection of two walking surfaces that provide a T-shaped turning space complying with Section 304.3.2, provided the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.

**404.1 General.** Doors and doorways that are part of an accessible route shall comply with Section 404.

**404.2.6 Door Hardware.** Handles, pulls, latches, locks, and other operable parts on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, pinching, or twisting of the wrist to operate. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the floor. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

**EXCEPTION:** Locks used only for security purposes and not used for normal operation shall not be required to comply with Section 404.2.6.

**405.1 General.** Ramps along **accessible** routes shall comply with Section 405.

**EXCEPTION:** In assembly areas, aisle ramps adjacent to seating and not serving elements required to be on an **accessible** route shall not be required to comply with Section 405.

## **406 Curb Ramps**

**406.1 General.** Curb ramps on **accessible** routes shall comply with Sections 406, 405.2, 405.3, and 405.10.

**406.11 Islands.** Raised islands in crossings shall be a cut-through level with the street or have curb ramps at both sides. Each curb ramp shall have a level area 48 inches (1220 mm) minimum in length and 36 inches (915 mm) minimum in width at the top of the curb ramp in the part of the island intersected by the crossings. Each 48-inch (1220 mm) by 36-inch (915 mm) area shall be oriented so the 48-inch (1220 mm) length is in the direction of the running slope of the curb ramp it serves. The 48-inch (1220 mm) by 36-inch (915 mm) areas and the **accessible** route shall be permitted to overlap.

**407.2.1.7 Destination-oriented Elevator Signals.** Destination-oriented elevators shall be provided with a visible signal and audible tones and verbal announcements to indicate which car is responding to a call. The audible tone and verbal announcement shall be activated by pressing a function button. The function button shall be identified by the International Symbol for **Accessibility** and a raised indication. The International Symbol for **Accessibility**, complying with Section 703.6.3.1, shall be  $\frac{5}{8}$  inch (16 mm) in height and be a visual character complying with Section 703.2. The indication shall be three raised dots, spaced  $\frac{1}{4}$  inch (6.4 mm) at base diameter, in the form of an equilateral triangle. The function button shall be located immediately below the keypad arrangement or floor buttons.

**501.1 Scope.** General site and building elements required to be **accessible** by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 5.

**502.1 General.** **Accessible** car and van parking spaces shall comply with Section 502.

**502.4.1 Location.** Access aisles shall adjoin an **accessible** route. Two parking spaces shall be permitted to share a common access aisle. Access aisles shall not overlap with the vehicular way. Parking spaces shall be permitted to have access aisles placed on either side of the car or van parking space. Van parking spaces that are angled shall have access aisles located on the passenger side of the parking space.

**502.7 Identification.** Where **accessible** parking spaces are required to be identified by signs, the signs shall include the International Symbol of **Accessibility** complying with Section 703.6.3.1. Signs identifying van parking spaces shall contain the designation "van **accessible**." Such signs shall be 60 inches (1525 mm) minimum above the floor of the parking space, measured to the bottom of the sign.

**502.8 Relationship to **Accessible** Routes.** Parking spaces and access aisles shall be designed so that cars and vans, when parked, cannot obstruct the required clear width of adjacent **accessible** routes.

**503.1 General.** **Accessible** passenger loading zones shall comply with Section 503.

**503.3.1 Location.** Access aisles shall adjoin an **accessible** route. Access aisles shall not overlap the vehicular way.

**504.1 General.** **Accessible** stairs shall comply with Section 504.

**506.1 General.** **Accessible** windows shall have operable parts complying with Section 309.

**601.1 Scope.** Plumbing elements and facilities required to be **accessible** by scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 6.

**602.1 General.** **Accessible** drinking fountains shall comply with Sections 602 and 307.

**602.4 Spout Outlet Height.** Spout outlets of wheelchair **accessible** drinking fountains shall be 36 inches (915 mm) maximum above the floor. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the floor.

**603.1 General.** **Accessible** toilet and bathing rooms shall comply with Section 603.

**603.3 Mirrors.** Where mirrors are located above lavatories, a mirror shall be located over the **accessible** lavatory and shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor. Where mirrors are located above counters that do not contain lavatories, the mirror shall be mounted with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor.

**EXCEPTION:** Other than within **Accessible** dwelling or sleeping units, mirrors are not required over the lavatories or counters if a mirror is located within the same toilet or bathing room and mounted with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the floor.

**603.6 Operable Parts.** Operable parts on towel dispensers and hand dryers serving **accessible** lavatories shall comply with Table 603.6.

**604.1 General.** **Accessible** water closets and toilet compartments shall comply with Section 604. Compartments containing more than one plumbing fixture shall comply with Section 603. Wheelchair **accessible** compartments shall comply with Section 604.9. Ambulatory **accessible** compartments shall comply with Section 604.10.

**EXCEPTION:** Water closets and toilet compartments primarily for children's use shall be permitted to comply with Section 604.11 as applicable.

**604.2 Location.** The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition. Water closets located in ambulatory **accessible** compartments specified in Section 604.10 shall have the centerline of the water closet 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition.

**604.3.3 Clearance Overlap.** The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, sanitary napkin receptacles, coat hooks, shelves, **accessible** routes, clear floor space at other fixtures and the turning space. No other fixtures or obstructions shall be within the required water closet clearance.

**604.6 Flush Controls.** Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with Section 309. Flush controls shall be located on the open side of the water closet.

**EXCEPTION:** In ambulatory **accessible** compartments complying with Section 604.10, flush controls shall be permitted to be located on either side of the water closet.

**604.9 Wheelchair **Accessible** Compartments.**

**604.9.1 General.** Wheelchair **accessible** compartments shall comply with Section 604.9.

**604.9.2.1 Minimum area.** The minimum area of a wheelchair **accessible** compartment shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 56 inches (1420 mm)

minimum in depth for wall hung water closets, and 59 inches (1500 mm) minimum in depth for floor mounted water closets measured perpendicular to the rear wall.

**604.9.2.2 Compartment for children's use.** The minimum area of a wheelchair **accessible** compartment primarily for children's use shall be 60 inches (1525 mm) minimum in width measured perpendicular to the side wall, and 59 inches (1500 mm) minimum in depth for wall hung and floor mounted water closets measured perpendicular to the rear wall.

**604.9.4 Approach.** Wheelchair **accessible** compartments shall be arranged for left-hand or right-hand approach to the water closet.

**604.9.5 Toe Clearance.** Toe clearance for compartments primarily for children's use shall comply with Section 604.9.5.2. Toe clearance for other wheelchair **accessible** compartments shall comply with Section 604.9.5.1.

#### **604.10 Ambulatory Accessible Compartments**

**604.10.1 General.** Ambulatory **accessible** compartments shall comply with Section 604.10.

**604.10.2 Size.** The minimum area of an ambulatory **accessible** compartment shall be 60 inches (1525 mm) minimum in depth and 36 inches (915 mm) in width.

**604.11.1 General.** **Accessible** water closets and toilet compartments primarily for children's use shall comply with Section 604.11.

**604.11.2 Location.** The water closet primarily for children's use shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition. Water closets located in ambulatory **accessible** toilet compartments specified in Section 604.10 shall be located as specified in Section 604.2.

**604.11.6 Flush Controls.** Flush controls primarily for children's use shall be hand operated or automatic. Hand operated flush controls shall comply with Sections 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the floor. Flush controls shall be located on the open side of the water closet.

**EXCEPTION:** In ambulatory **accessible** compartments complying with Section 604.10, flush controls shall be permitted to be located on either side of the water closet.

**605.1 General.** **Accessible** urinals shall comply with Section 605.

**606.1 General.** **Accessible** lavatories and sinks shall comply with Section 606.

**607.1 General.** **Accessible** bathtubs shall comply with Section 607.

**608.1 General.** **Accessible** shower compartments shall comply with Section 608.

**608.5 Hand Showers.** A hand shower with a hose 59 inches (1500 mm) minimum in length, that can be used both as a fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a nonpositive shut-off feature. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars.

**EXCEPTION:** In other than **Accessible** units and Type A units, a fixed shower head located 48 inches (1220 mm) maximum above the shower floor shall be permitted in lieu of a hand shower.

**609.1 General.** Grab bars in **accessible** toilet or bathing facilities shall comply with Section 609.

**610.1 General.** Seats in **accessible** bathtubs and shower compartments shall comply with Section 610.

**611.1 General.** Accessible washing machines and clothes dryers shall comply with Section 611.

**701.1 Scope.** Communications elements and features required to be accessible by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 7.

**702.1 General.** Accessible audible and visible alarms and notification appliances shall be installed in accordance with NFPA 72 listed in Section 105.2.2, be powered by a commercial light and power source, be permanently connected to the wiring of the premises electric system, and be permanently installed.

**703.1 General.** Accessible signs shall comply with Section 703. Tactile signs shall contain both raised characters and braille. Where signs with both visual and raised characters are required, either one sign with both visual and raised characters, or two separate signs, one with visual, and one with raised characters, shall be provided.

**703.1.3 Pictograms.** Where pictograms are provided as designations of permanent interior rooms and spaces, the pictograms shall comply with Section 703.5 and shall have text descriptors located directly below the pictogram field and complying with Sections 703.2 and 703.3.

**EXCEPTION:** Pictograms that provide information about a room or space, such as “No Smoking”, occupant logos, and the International Symbol of Accessibility, are not required to have text descriptors.

**703.6.1 General.** Symbols of accessibility shall comply with Section 703.6.

**703.6.2 Finish and Contrast.** Symbols of accessibility and their backgrounds shall have a non-glare finish. Symbols of accessibility shall contrast with their backgrounds, with either a light symbol on a dark background or a dark symbol on a light background.

**703.6.3.1 International Symbol of Accessibility.** The International Symbol of Accessibility shall comply with Figure 703.6.3.1.

**703.9 Pedestrian Signals.** Accessible pedestrian signals shall comply with Section 4E.06-Accessible Pedestrian Signals, and Section 4E.09-Accessible Pedestrian Signal Detectors, of the Manual on Uniform Traffic Control Devices listed in Section 105.2.1.

**EXCEPTION:** Pedestrian signals are not required to comply with the requirement for choosing audible tones.

**704.1 General.** Accessible public telephones shall comply with Section 704.

**704.2 Wheelchair Accessible Telephones.** Wheelchair accessible public telephones shall comply with Section 704.2.

**EXCEPTION:** Drive up only public telephones are not required to comply with Section 704.2.

**706.1 General.** Accessible assistive listening systems in assembly areas shall comply with Section 706.

**707.1 General.** Accessible automatic teller machines and fare machines shall comply with Section 707.

**707.8 Speech Output.** Machines shall be speech enabled. Operating instructions and orientation, visible transaction prompts, user input verification, error messages, and all displayed information for full use shall be accessible to and independently usable by individuals with vision impairments. Speech shall be delivered through a mechanism that is readily available to all users including, but not limited to, an

industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized.

**EXCEPTIONS:**

1. Audible tones shall be permitted in lieu of speech for visible output that is not displayed for security purposes, including but not limited to, asterisks representing personal identification numbers.
2. Advertisements and other similar information shall not be required to be audible unless they convey information that can be used in the transaction being conducted.
3. Where speech synthesis cannot be supported, dynamic alphabetic output shall not be required to be audible.

**708.1 General.** Accessible two-way communication systems shall comply with Section 708.

**801.1 Scope.** Special rooms and spaces required to be accessible by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 8.

**802.5 Approach.** The wheelchair space shall adjoin an accessible route. The accessible route shall not overlap the wheelchair space.

**802.8.2 Identification.** Each designated aisle seat shall be identified by the International Symbol of Accessibility.

**803.1 General.** Accessible dressing, fitting, and locker rooms shall comply with Section 803.

**803.5 Coat Hooks and Shelves.** Accessible coat hooks provided within the room shall accommodate a forward reach or side reach complying with Section 308. Where provided, a shelf shall be 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the floor.

**804.1 General.** Accessible kitchens and kitchenettes shall comply with Section 804.

**804.3 Work Surface.** At least one work surface shall be provided in accordance with Section 902.

**EXCEPTION:** Spaces that do not provide a cooktop or conventional range shall not be required to provide an accessible work surface.

**805.2.4 Connection.** Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route complying with Section 402.

**805.3 Bus Shelters.** Bus shelters shall provide a minimum clear floor space complying with Section 305 entirely within the shelter. Bus shelters shall be connected by an accessible route complying with Section 402 to a boarding and alighting area complying with Section 805.2.

**807.2 Turning Space.** Where provided, each area that is raised or depressed shall provide a turning space complying with Section 304.

**EXCEPTION:** Levels of jury boxes not required to be accessible are not required to comply with Section 807.2.

**901.1 Scope.** Built-in furnishings and equipment required to be accessible by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 9.

**902.1 General.** Accessible dining surfaces and work surfaces shall comply with Section 902.



**EXCEPTION:** Dining surfaces and work surfaces primarily for children's use shall be permitted to comply with Section 902.5.

**902.5 Dining Surfaces and Work Surfaces for Children's Use.** Accessible dining surfaces and work surfaces primarily for children's use shall comply with Section 902.5.

**EXCEPTION:** Dining surfaces and work surfaces used primarily by children ages 5 and younger shall not be required to comply with Section 902.5 where a clear floor space complying with Section 305 is provided and is positioned for a parallel approach.

**903.1 General.** Accessible benches shall comply with Section 903.

**904.1 General.** Accessible sales and service counters and windows shall comply with Section 904 as applicable.

**EXCEPTION:** Drive up only sales or service counters and windows are not required to comply with Section 904.

**904.2 Approach.** All portions of counters required to be accessible shall be located adjacent to a walking surface complying with Section 403.

**904.3 Sales and Service Counters.** Sales and service counters shall comply with Section 904.3.1 or 904.3.2. The accessible portion of the countertop shall extend the same depth as the sales and service countertop.

**904.3.2 Forward Approach.** A portion of the counter surface 30 inches (760 mm) minimum in length and 36 inches (915 mm) maximum in height above the floor shall be provided. A clear floor space complying with Section 305, positioned for a forward approach to the accessible counter, shall be provided. Knee and toe clearance complying with Section 306 shall be provided under the accessible counter.

**905.1 General.** Accessible storage facilities shall comply with Section 905.

**905.3 Height.** Accessible storage elements shall comply with at least one of the reach ranges specified in Section 308.

**1001.1 Scoping.** Dwelling units and sleeping units required to be Accessible units, Type A units, Type B units, Type C (Visitable) units or units with accessible communication features by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 10.

**1002.1 General.** Accessible units shall comply with Section 1002.

**1002.2 Primary Entrance.** The accessible primary entrance shall be on an accessible route from public and common areas. The primary entrance shall not be to a bedroom unless it is the only entrance.

**1002.3 Accessible Route.** Accessible routes within Accessible units shall comply with Section 1002.3.

**1002.3.1 Location.** At least one accessible route shall connect all spaces and elements that are a part of the unit. Accessible routes shall coincide with or be located in the same area as a general circulation path.

**EXCEPTION:** An accessible route is not required to unfinished attics and unfinished basements that are part of the unit.

**1002.3.2 Turning Space.** All rooms served by an accessible route shall provide a turning space complying with Section 304.

## EXCEPTIONS:

1. A turning space shall not be required in toilet rooms and bathrooms that are not required to comply with Section 1002.11.2.
2. A turning space is not required within closets or pantries that are 48 inches (1220 mm) maximum in depth.

**1002.3.3 Components.** Accessible routes shall consist of one or more of the following elements: walking surfaces with a slope not steeper than 1:20, doors and doorways, ramps, elevators, and platform lifts.

**1002.4 Walking Surfaces.** Walking surfaces that are part of an accessible route shall comply with Section 403.

**1002.9 Operable Parts.** Lighting controls, electrical panelboards, electrical switches and receptacle outlets, environmental controls, appliance controls, operating hardware for operable windows, plumbing fixture controls, and user controls for security or intercom systems shall comply with Section 309.

## EXCEPTIONS:

1. Receptacle outlets serving a dedicated use.
2. Where two or more receptacle outlets are provided in a kitchen above a length of counter top that is uninterrupted by a sink or appliance, one receptacle outlet shall not be required to comply with 309.
3. Floor receptacle outlets.
4. HVAC diffusers.
5. Controls mounted on ceiling fans.
6. Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be accessible.
7. Reset buttons and shut-offs serving appliances, piping and plumbing fixtures.
8. Electrical panelboards shall not be required to comply with Section 309.4.

**1002.11.2 Accessible Toilet and Bathing Facility.** At least one toilet and bathing facility shall comply with Section 603. At least one lavatory, one water closet and either a bathtub or shower within the unit shall comply with Sections 604 through 610. The accessible toilet and bathing fixtures shall be in a single toilet/bathing area, such that travel between fixtures does not require travel through other parts of the unit.

**1002.11.2.1 Vanity Counter Top Space.** If vanity counter top space is provided in dwelling or sleeping units not required to be Accessible units within the same facility, equivalent vanity counter top space, in terms of size and proximity to the lavatory, shall also be provided in Accessible units.

**1002.11.2.2 Mirrors.** Mirrors above accessible lavatories shall have the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor.

**1002.12 Kitchens** and kitchenettes. Kitchens and kitchenettes shall comply with Section 804. At least one work surface, 30 inches (760 mm) minimum in length, shall comply with Section 902.

**EXCEPTION:** Spaces that do not provide a cooktop or conventional range shall not be required to provide an accessible work surface.

**1003.2 Primary Entrance.** The accessible primary entrance shall be on an accessible route from public and common areas. The primary entrance shall not be to a bedroom unless it is the only entrance.

**1003.3 Accessible Route.** Accessible routes within Type A units shall comply with Section 1003.3.

**1003.3.1 Location.** At least one **accessible** route shall connect all spaces and elements that are a part of the unit. **Accessible** routes shall coincide with or be located in the same area as a general circulation path.

**EXCEPTION:** An **accessible** route is not required to unfinished attics and unfinished basements that are part of the unit.

**1003.3.2 Turning Space.** All rooms served by an **accessible** route shall provide a turning space complying with Section 304.

**EXCEPTIONS:**

1. A turning space is not required in toilet rooms and bathrooms that are not required to comply with Section 1003.11.2.
2. A turning space is not required within closets or pantries that are 48 inches (1220 mm) maximum in depth.

**1003.3.3 Components.** **Accessible** routes shall consist of one or more of the following elements: walking surfaces with a slope not steeper than 1:20, doors and doorways, ramps, elevators, and platform lifts.

**1003.4 Walking Surfaces.** Walking surfaces that are part of an **accessible** route shall comply with Section 403.

**1003.9 Operable Parts.** Lighting controls, electrical panelboards, electrical switches and receptacle outlets, environmental controls, appliance controls, operating hardware for operable windows, plumbing fixture controls, and user controls for security or intercom systems shall comply with Section 309.

**EXCEPTIONS:**

1. Receptacle outlets serving a dedicated use.
2. Where two or more receptacle outlets are provided in a kitchen above a length of counter top that is uninterrupted by a sink or appliance, one receptacle outlet shall not be required to comply with Section 309.
3. Floor receptacle outlets.
4. HVAC diffusers.
5. Controls mounted on ceiling fans.
6. Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be **accessible**.
7. Reset buttons and shut-offs serving appliances, piping and plumbing fixtures.
8. Electrical panelboards shall not be required to comply with Section 309.4.

**1003.11.1 Grab Bar and Shower Seat Reinforcement.** Reinforcement shall be provided for the future installation of grab bars complying with Section 604.5 at water closets; grab bars complying with Section 607.4 at bathtubs; and for grab bars and shower seats complying with Sections 608.3, 608.2.1.3, 608.2.2.3 and 608.2.3.2 at shower compartments.

**EXCEPTIONS:**

1. At fixtures not required to comply with Section 1003.11.2, reinforcement in accordance with Section 1004.11.1 shall be permitted.
2. Reinforcement is not required in a room containing only a lavatory and a water closet, provided the room does not contain the only lavatory or water closet on the **accessible** level of the dwelling unit.
3. Reinforcement for the water closet side wall vertical grab bar component required by Section 604.5 is not required.
4. Where the lavatory overlaps the water closet clearance in accordance with the exception to Section 1003.11.2.4.4 reinforcement at the water closet rear wall for a 24-inch (610 mm)

minimum length grab bar, centered on the water closet, shall be provided.

**1003.11.2 General.** At least one toilet and bathing facility shall comply with Section 1003.11.2. At least one lavatory, one water closet and either a bathtub or shower within the unit shall comply with Section 1003.11.2. The accessible toilet and bathing fixtures shall be in a single toilet/bathing area, such that travel between fixtures does not require travel through other parts of the unit.

**1003.11.2.3 Mirrors.** Mirrors above accessible lavatories shall have the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the floor.

**1003.11.2.4 Clearance Overlap.** The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, paper dispensers, coat hooks, shelves, accessible routes, clear floor space required at other fixtures, and the wheelchair turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

**EXCEPTION:** A lavatory measuring 24 inches (610 mm) maximum in depth and complying with Section 1003.11.2.2 shall be permitted on the rear wall 18 inches (455 mm) minimum from the centerline of the water closet to the side edge of the lavatory where the clearance at the water closet is 66 inches (1675 mm) minimum measured perpendicular from the rear wall.

**1003.11.2.5 Bathing Fixtures.** The accessible bathing fixture shall be a bathtub complying with Section 1003.11.2.5.1 or a shower compartment complying with Section 1003.11.2.5.2.

**1004.1 General.** Type B units shall comply with Section 1004.

**1004.2 Primary Entrance.** The accessible primary entrance shall be on an accessible route from public and common areas. The primary entrance shall not be to a bedroom unless it is the only entrance.

**1004.3 Accessible Route.** Accessible routes within Type B units shall comply with Section 1004.3.

**1004.3.1 Location.** At least one accessible route shall connect all spaces and elements that are a part of the unit. Accessible routes shall coincide with or be located in the same area as a general circulation path.

**EXCEPTIONS:**

1. An accessible route is not required to unfinished attics and unfinished basements that are part of the unit.
2. One of the following is not required to be on an accessible route:
  - 2.1 A raised floor area in a portion of a living, dining, or sleeping room; or
  - 2.2 A sunken floor area in a portion of a living, dining, or sleeping room; or
  - 2.3 A mezzanine that does not have plumbing fixtures or an enclosed habitable space.

**1004.3.2 Components.** Accessible routes shall consist of one or more of the following elements: walking surfaces with a slope not steeper than 1:20, doors and doorways, ramps, elevators, and platform lifts.

**1004.4 Walking Surfaces.** Walking surfaces that are part of an accessible route shall comply with Section 1004.4.

**1004.4.1 Clear Width.** Clear width of an accessible route shall comply with Section 403.5.

**1004.9 Operable Parts.** Lighting controls, electrical switches and receptacle outlets, environmental controls, electrical panelboards, and user controls for security or intercom systems shall comply with Sections 309.2 and 309.3.

**EXCEPTIONS:**

1. Receptacle outlets serving a dedicated use.
2. Where two or more receptacle outlets are provided in a kitchen above a length of counter top that is uninterrupted by a sink or appliance, one receptacle outlet shall not be required to comply with Section 309.
3. Floor receptacle outlets.
4. HVAC diffusers.
5. Controls mounted on ceiling fans.
6. Controls or switches mounted on appliances.
7. Plumbing fixture controls. Reset buttons and shut-offs serving appliances, piping and plumbing fixtures.
8. Where redundant controls other than light switches are provided for a single element, one control in each space shall not be required to be **accessible**.
9. Within kitchens and bathrooms, lighting controls, electrical switches and receptacle outlets are permitted to be located over cabinets with counter tops 36 inches (915 mm) maximum in height and 25 1/2 inches (650 mm) maximum in depth.

**1004.11 Toilet and Bathing Facilities.** Toilet and bathing fixtures shall comply with Section 1004.11.

**EXCEPTION:** Fixtures on levels not required to be **accessible**.

**1004.11.1 Grab Bar and Shower Seat Reinforcement.** Reinforcement shall be provided for the future installation of grab bars and shower seats at water closets, bathtubs, and shower compartments. Where walls are located to permit the installation of grab bars and seats complying with Section 604.5 at water closets; grab bars complying with Section 607.4 at bathtubs; and for grab bars and shower seats complying with Sections, 608.3, 608.2.1.3, 608.2.2.3 and 608.2.3.2 at shower compartments; reinforcement shall be provided for the future installation of grab bars and seats complying with those requirements.

**EXCEPTIONS:**

1. In a room containing only a lavatory and a water closet, reinforcement is not required provided the room does not contain the only lavatory or water closet on the **accessible** level of the unit.
2. At water closets reinforcement for the side wall vertical grab bar component required by Section 604.5 is not required.
3. At water closets where wall space will not permit a grab bar complying with Section 604.5.2, reinforcement for a rear wall grab bar 24 inches (610 mm) minimum in length centered on the water closet shall be provided.
4. At water closets where a side wall is not available for a 42-inch (1065 mm) grab bar complying with Section 604.5.1, reinforcement for a sidewall grab bar, 24 inches (610 mm) minimum in length, located 12 inches (305 mm) maximum from the rear wall, shall be provided.
5. At water closets where a side wall is not available for a 42-inch (1065 mm) grab bar complying with Section 604.5.1 reinforcement for a swing-up grab bar complying with Section 1004.11.1.1 shall be permitted.
6. At water closets where a side wall is not available for a 42-inch (1065 mm) grab bar complying with Section 604.5.1 reinforcement for two swing-up grab bars complying with Section 1004.11.1.1 shall be permitted to be installed in lieu of reinforcement for rear wall and side wall grab bars.
7. In shower compartments larger than 36 inches (915 mm) in width and 36 inches (915 mm) in depth reinforcement for a shower seat is not required
- 8.

**1004.11.3.1 Option A.** Each fixture provided shall comply with Section 1004.11.3.1.

**EXCEPTIONS:**

1. Where multiple lavatories are provided in a single toilet and bathing area such that travel between fixtures does not require travel through other parts of the unit, not more than one lavatory is required to comply with Section 1004.11.3.1.
2. A lavatory and a water closet in a room containing only a lavatory and water closet, provided the room does not contain the only lavatory or water closet on the **accessible** level of the unit.

**1004.11.3.2 Option B.** One of each type of fixture provided shall comply with Section 1004.11.3.2. The **accessible** fixtures shall be in a single toilet/ bathing area, such that travel between fixtures does not require travel through other parts of the unit.

**1004.11.3.2.3 Bathing Fixtures.** The **accessible** bathing fixture shall be a bathtub complying with Section 1004.11.3.2.3.1 or a shower compartment complying with Section 1004.11.3.2.3.2.

**1006.1 General.** Units required to have **accessible** communication features shall comply with Section 1006.

**1006.7 Closed-Circuit Communication Systems.** Where a closed-circuit communication system is provided, the public or common-use system interface shall comply with Section 1006.6.1, and the unit system interface in units required to have **accessible** communication features shall comply with Section 1006.6.2.

**1101.1 Scope.** Recreational facilities required to be **accessible** by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 11.

**1101.2 .1 General Exceptions.** The following shall not be required to be **accessible** or to be on an **accessible** route:

1. Raised structures used solely for refereeing, judging, or scoring a sport.
2. Water Slides.
3. Animal containment areas that are not for public use.
4. Raised boxing or wrestling rings.
5. Raised diving boards and diving platforms.
6. Bowling lanes that are not required to provide wheelchair spaces.
7. Mobile or portable amusement rides
8. Amusement rides that are controlled or operated by the rider.
9. Amusement rides designed primarily for children, where children are assisted on and off the ride by an adult.
10. Amusement rides that do not provide amusement ride seats.

**1101.2.2 Area of Sport Activity.** Areas of sport activity shall be served by an **accessible** route and shall not be required to be **accessible** except as provided in Chapter 11.

**1101.3 Protruding Objects.** Protruding objects on circulation paths shall comply with Section 307.

#### **EXCEPTIONS:**

1. Within areas of sport activity, protruding objects on circulation paths shall not be required to comply with Section 307.
2. Within play areas, protruding objects on circulation paths shall not be required to comply with Section 307 provided that ground level **accessible** routes provide vertical clearance complying with Section 1108.2.

**1102.1 General.** **Accessible** amusement rides shall comply with Section 1102.

**1102.2 Accessible Routes.** **Accessible** routes serving amusement rides shall comply with Chapter 4.

**EXCEPTIONS:**

1. In load or unload areas and on amusement rides, where complying with Section 405.2 is not structurally or operationally feasible, ramp slope shall be permitted to be 1:8 maximum.
2. In load or unload areas and on amusement rides, handrails provided along walking surfaces complying with Section 403 and required on ramps complying with Section 405 shall not be required to comply with Section 505 where complying is not structurally or operationally feasible.

**1102.4.6 Approach.** One side of the wheelchair space shall adjoin an **accessible** route when in the load and unload position.

**1102.5.4 Wheelchair Storage Space.** Wheelchair storage spaces complying with Section 305 shall be provided in or adjacent to unload areas for each required amusement ride seat designed for transfer and shall not overlap any required means of egress or **accessible** route.

**1102.6.3 Wheelchair Storage Space.** Wheelchair storage spaces complying with Section 305 shall be provided in or adjacent to unload areas for each required transfer device and shall not overlap any required means of egress or **accessible** route.

**1103.1 General.** **Accessible** recreational boating facilities shall comply with Section 1103.

**1103.2 Accessible Routes.** **Accessible** routes serving recreational boating facilities, including gangways and floating piers, shall comply with Chapter 4 except as modified by the exceptions in Section 1103.2.

**1103.2.1 Boat Slips.** An **accessible** route shall serve boat slips.

**EXCEPTIONS:**

1. Where an existing gangway or series of gangways is replaced or altered, an increase in the length of the gangway shall not be required to comply with Section 1103.2.
2. Gangways shall not be required to comply with the maximum rise specified in Section 405.6.
3. Where the total length of a gangway or series of gangways serving as part of a required **accessible** route is 80 feet (24 m) minimum, gangways shall not be required to comply with Section 405.2.
4. Where facilities contain fewer than 25 boat slips and the total length of the gangway or series of gangways serving as part of a required **accessible** route is 30 feet (9145 mm) minimum, gangways shall not be required to comply with Section 405.2.
5. Where gangways connect to transition plates, landings specified by Section 405.7 shall not be required.
6. Where gangways and transition plates connect and are required to have handrails, handrail extensions shall not be required. Where handrail extensions are provided on gangways or transition plates, the handrail extensions shall not be required to be parallel with the floor.
7. The cross slope specified in Sections 403.3 and 405.3 for gangways, transition plates, and floating piers that are part of **accessible** routes shall be measured in the static position.
8. Changes in level complying with Sections 303.3 and 303.4 shall be permitted on the surfaces of gangways and boat launch ramps.
9. Cleats and other boat securement devices shall not be required to comply with Section 309.3.

**1103.2.2 Boarding Piers at Boat Launch Ramps.** An **accessible** route shall serve boarding piers.

**EXCEPTIONS:**

1. **Accessible** routes serving floating boarding piers shall be permitted to use Exceptions 1, 2, 5, 6, 7 and 8 in Section 1103.2.1.

2. Where the total length of the gangway or series of gangways serving as part of a required **accessible** route is 30 feet (9145 mm) minimum, gangways shall not be required to comply with Section 405.2.
3. Where the **accessible** route serving a floating boarding pier or skid pier is located within a boat launch ramp, the portion of the **accessible** route located within the boat launch ramp shall not be required to comply with Section 405.

**1104.1 Clear Floor Space.** **Accessible** exercise machines and equipment shall have a clear floor space complying with Section 305 positioned for transfer or for use by an individual seated in a wheelchair. Clear floor spaces required at exercise machines and equipment shall be permitted to overlap.

**1105.1 Accessible Routes.** **Accessible** routes serving fishing piers and platforms, including gangways and floating piers, shall comply with Chapter 4.

**EXCEPTIONS:**

1. **Accessible** routes serving floating fishing piers and platforms shall be permitted to use Exceptions 1, 2, 5, 6, 7 and 8 in Section 1103.2.1.
2. Where the total length of the gangway or series of gangways serving as part of a required **accessible** route is 30 feet (9145 mm) minimum, gangways shall not be required to comply with Section 405.2.

**1106.1 General.** Golf facilities shall comply with Section 1106.

**1106.2 Accessible Routes.** **Accessible** routes serving teeing grounds, practice teeing grounds, putting greens, practice putting greens, teeing stations at driving ranges, course weather shelters, golf car rental areas, bag drop areas, and course toilet rooms shall comply with Chapter 4 and shall be 48 inches (1220 mm) minimum in width. Where handrails are provided, **accessible** routes shall be 60 inches (1525 mm) minimum in width.

**EXCEPTION:** Handrails shall not be required on golf courses. Where handrails are provided on golf courses, the handrails shall not be required to comply with Section 505.

**1107.2 Accessible Routes.** **Accessible** routes serving holes on miniature golf courses shall comply with Chapter 4.

**EXCEPTION:** **Accessible** routes located on playing surfaces of miniature golf holes shall be permitted to comply with the following:

1. Playing surfaces shall not be required to comply with Section 302.2.
2. Where **accessible** routes intersect playing surfaces of holes, a curb that is 1 inch (25 mm) maximum in height and 32 inches (815 mm) minimum in width shall be permitted.
3. A slope of 1:4 maximum shall be permitted for a rise of 4 inches (100 mm) maximum.
4. Ramp landing slopes specified by Section 405.7.1 shall be permitted to be 1:20 maximum.
5. Ramp landing length specified by Section 405.7.3 shall be permitted to be 48 inches (1220 mm) minimum.
6. Ramp landing size at a change in direction specified by Section 405.7.4 shall be permitted to be 48 inches (1220 mm) minimum by 60 inches (1525 mm) minimum.
7. Handrails shall not be required on holes. Where handrails are provided on holes, the handrails shall not be required to comply with Section 505.

**1107.3.2 Golf Club Reach Range Area.** All areas within holes where golf balls rest shall be within 36 inches (915 mm) maximum of a clear floor space 36 inches (915 mm) minimum in width and 48 inches (1220 mm) minimum in length having a running slope not steeper than 1:20. The clear floor space shall be served by an **accessible** route.



**1108.1 Scope.** Play areas shall comply with 1108.

**1108.2 Accessible Routes for Play Areas.** Play areas shall provide accessible routes in accordance with Section 1108.2. Accessible routes serving play areas shall comply with Chapter 4 except as modified by Section 1108.4.

**1108.2.1 Ground Level and Elevated Play Components.** At least one accessible route shall be provided within the play area. The accessible route shall connect ground level play components required to comply with Section 1108.3.2.1 and elevated play components required to comply with Section 1108.3.2.2, including entry and exit points of the play components.

**1108.2.2 Soft Contained Play Structures.** Where three or fewer entry points are provided for soft contained play structures, at least one entry point shall be on an accessible route. Where four or more entry points are provided for soft contained play structures, at least two entry points shall be on an accessible route.

**1108.3.2.1.1 Minimum Number and Types.** Where ground level play components are provided, at least one of each type shall be on an accessible route and shall comply with Section 1108.4.3.

**1108.3.2.2 Elevated Play Components.** Where elevated play components are provided, at least 50 percent shall be on an accessible route and shall comply with Section 1108.4.3.

**1108.4 Accessible Routes Within Play areas.** Play areas shall comply with Section 1108.4.

**1108.4.1 Accessible Routes.** Accessible routes serving play areas shall comply with Chapter 4 and Section 1108.4.1 and shall be permitted to use the exceptions in Sections 1108.4.1.1 through 1108.4.1.3. Where accessible routes serve ground level play components, the vertical clearance shall be 80 inches (2030 mm) minimum in height.

**1108.4.1.1 Ground Level and Elevated Play Components.** Accessible routes serving ground level play components and elevated play components shall be permitted to use the exceptions in Section 1108.4.1.1.

**EXCEPTIONS:**

1. Transfer systems complying with Section 1108.4.2 shall be permitted to connect elevated play components except where 20 or more elevated play components are provided no more than 25 percent of the elevated play components shall be permitted to be connected by transfer systems.
2. Where transfer systems are provided, an elevated play component shall be permitted to connect to another elevated play component as part of an accessible route.

**1108.4.1.2 Soft Contained Play Structures.** Accessible routes serving soft contained play structures shall be permitted to use the exception in Section 1108.4.1.2.

**EXCEPTION:** Transfer systems complying with Section 1108.4.2 shall be permitted to be used as part of an accessible route.

**1108.4.1.3 Water Play Components.** Accessible routes serving water play components shall be permitted to use the exceptions in Section 1108.4.1.3.

**EXCEPTIONS:**

1. Where the surface of the accessible route, clear floor spaces, or turning spaces serving water play components is submerged, complying with Sections 302, 403.3, 405.2, 405.3, and 1108.4.1.6 shall not be required.

2. Transfer systems complying with Section 1108.4.2 shall be permitted to connect elevated play components in water.

**1108.4.1.4 Clear Width.** Accessible routes connecting play components shall provide a clear width complying with Section 1108.4.1.4.

**1108.4.1.4.1 Ground Level.** At ground level, the clear width of accessible routes shall be 60 inches (1525 mm) minimum.

**EXCEPTIONS:**

1. In play areas less than 1000 square feet (93 m<sup>2</sup>), the clear width of accessible routes shall be permitted to be 44 inches (1120 mm) minimum, if at least one turning space complying with Section 304.3 is provided where the restricted accessible route exceeds 30 feet (9145 mm) in length.
2. The clear width of accessible routes shall be permitted to be 36 inches (915 mm) minimum for a distance of 60 inches (1525 mm) maximum provided that multiple reduced width segments are separated by segments that are 60 inches (1525 mm) minimum in width and 60 inches (1525 mm) minimum in length.

**1108.4.1.4.2 Elevated.** The clear width of accessible routes connecting elevated play components shall be 36 inches (915 mm) minimum.

**EXCEPTIONS:**

1. The clear width of accessible routes connecting elevated play components shall be permitted to be reduced to 32 inches (815 mm) minimum for a distance of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) minimum in length and 36 inches (915 mm) minimum in width.
2. The clear width of transfer systems connecting elevated play components shall be permitted to be 24 inches (610 mm) minimum.

Table 1108.3.2.1.2 Number and Types of Ground Level Play Components Required to be on Accessible Routes

**1108.4.1.6 Ground Surfaces.** Ground surfaces on accessible routes, clear floor spaces, and turning spaces shall comply with Section 1108.4.1.6.

**1108.4.2.2 Transfer Steps.** Transfer steps shall be provided where movement is intended from transfer platforms to levels with elevated play components required to be on accessible routes. Transfer steps shall comply with Section 1108.4.2.2.

**1108.4.3 Play Components.** Ground level play components on accessible routes and elevated play components connected by ramps shall comply with Section 1108.4.3.

**1109.1 General.** Swimming pools, wading pools, hot tubs and spas shall comply with Section 1109.

**1109.1.1 Swimming pools.** At least two accessible means of entry shall be provided for swimming pools. Accessible means of entry shall be swimming pool lifts complying with Section 1109.2; sloped entries complying with Section 1109.3; transfer walls complying with Section 1109.4, transfer systems complying with Section 1109.5; and pool stairs complying with Section 1109.6. At least one accessible means of entry provided shall comply with Section 1109.2 or 1109.3.

**EXCEPTIONS:**

1. Where a swimming pool has less than 300 linear feet (91 m) of swimming pool wall, no more than one **accessible** means of entry shall be required.
2. Wave action pools, leisure rivers, sand bottom pools, and other pools where user access is limited to one area shall not be required to provide more than one **accessible** means of entry provided that the **accessible** means of entry is a swimming pool lift complying with Section 1109.2, a sloped entry complying with Section 1109.3, or a transfer system complying with Section 1109.5.
3. Catch pools shall not be required to provide an **accessible** means of entry provided that the catch pool edge is on an **accessible** route.

**1109.1.3 Hot tubs and Spas.** At least one **accessible** means of entry shall be provided for hot tubs and spas. **Accessible** means of entry shall comply with swimming pool lifts complying with Section 1109.2; transfer walls complying with Section 1109.4; or transfer systems complying with Section 1109.5.

**EXCEPTION:** Where hot tubs or spas are provided in a cluster, no more than 5 percent, but not less than one hot tub or spa in each cluster shall be required to comply with Section 1109.1.3.

**Reason:** The ADA/A117 Harmonization Task Group (HTG) was created as a task group of the A117.1 Committee to compare the 2010 ADA with the 2009 A117.1 Standard. The HTG has recommend a series of changes through a set of change proposals. The HTG is recommending changes, for the most part, address where the ADA was viewed as more stringent than the A117. Where the A117 contained provisions not addressed in the ADA, these were not considered a conflict needing action to amend the A117. In addition there are a number of places where the ADA and A117.1 are different as a result of specific actions, by the A117.1 Committee during the development of the 2009 edition, to remain or create a difference where, in the judgment of the committee the ADA was deficient.

The text listed includes everywhere accessible is used in the A117.1.

If the intent is to be consistent in the use of 'accessible', there does not seem to be any way around using

- Accessible route
- Accessible parking spaces
- Accessible means of entry (pools)
- Accessible unit
- Using 'accessible' when tying a requirement to a specific item – such as putting the accessible mirror over the accessible lavatory

We would be relying on the text at the beginning of each chapter for the requirements to be just for the 'accessible elements' rather than all elements. Example:

**401 General**

**401.1 Scope.** **Accessible** routes required by the scoping provisions adopted by the administrative authority shall comply with the applicable provisions of Chapter 4.

If we are agreeing that this idea would be totally understood, then the exception in 405.1 is not needed. This is just one example of how not using 'accessible' as a limit can be misinterpreted.

**405 Ramps**

**405.1 General.** Ramps along **accessible** routes shall comply with Section 405.

**EXCEPTION:** ~~In assembly areas, aisle ramps adjacent to seating and not serving elements required to be on an **accessible** route shall not be required to comply with Section 405.~~

Committee Action:            AS                    AM                    D

# 1-3 – 12

## 102

**Proponent:** Hope Reed, New Mexico Governor's Commission on Disability (NMGCD)

**Revise as follows:**

**102 Anthropometric Provisions.** The technical criteria in this standard are based on adult dimensions and anthropometrics. This standard also contains technical criteria based on children's dimensions and anthropometrics for reach ranges, handrails, drinking fountains, water closets, toilet compartments, lavatories and sinks, dining surfaces, work surfaces and benches.

**Reason:** This is the companion update to 308.1 children's reach ranges, 505.4 children's handrails.

Committee Action:           AS                   AM                   D

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102-REED.doc

# 1-4 – 12

## 102

**Proponent:** Edward Steinfeld, IDEA Center, School of Architecture and Planning, University at Buffalo, State University of New York

**Revise as follows:**

**102 ~~Anthropometric Provisions~~ Provisions and Considerations.** The technical criteria in this standard are based on a variety of important design technology and design considerations. These include such things as technological and economic feasibility. It is also based in part on the physical body sizes and functional abilities of adults and children so to accommodate the largest range of people possible given the current technological and economic constraints. ~~adult dimensions and anthropometrics. This standard also contains technical criteria based on children's dimensions and anthropometrics for drinking fountains, water closets, toilet compartments, lavatories and sinks, dining surfaces, work surfaces and benches.~~

**Reason:** The language above acknowledges the fact that the standard is based on a variety of issues that impact recommended architecture as opposed to only anthropometric considerations. As worded, the current standard is redundant (e.g., "...adult dimensions and anthropometrics..." while anthropometry does include both the measurement and analysis of physical and functional body dimensions). The new language is more accurate.

Committee Action:            AS                    AM                    D

102-STEINFELD.doc

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# 1-5 – 12

## 104.2

**Proponent:** Kimberly Paarlberg, International Code Council

**Delete and substitute as follows:**

~~**104.2 Dimensions.** Dimensions that are not stated as “maximum” or “minimum” are absolute. All dimensions are subject to conventional industry tolerances.~~

**104.2 Dimension tolerances.** All dimensions are subject to conventional industry tolerances except where the requirement is stated as a range with specific minimum and maximum end points.

**Reason:** The quantity of change proposals submitted by International Code Council is reflective of three elements of our work: 1. ICC is the Secretariat for the Standard and some changes reflect inconsistencies or improvements suggested by staff; 2. ICC develops and publishes a Commentary on the standard and writing the commentary illuminates issues of the text and figures; and 3. ICC provides an interpretation service for the standard which results in the observation of provisions the users find most confusing.

Many people find the existing language confusing. Is 34” maximum absolute? Or is 16” to 18” absolute? Are the absolute dimensions (ranges) also subject to industry tolerances? The proposed language is very similar to ADA.

Committee Action:           AS                   AM                   D

104.2 #1-PAARLBERG.doc

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# 1-6 – 12

## 104.2

**Proponent:** Francine Wai, Executive Director, Disability & Communication Access Board

**Revise as follows:**

**104.2 Dimensions.** Dimensions that are not stated as “maximum” or “minimum” are absolute. All dimensions are subject to conventional industry tolerances except where the requirement is stated as a range with specific minimum and maximum end points.

**Reason:** The Department of Justice’s 2010 ADA Standards do not allow a tolerance where a range is stated. As originally written, it can be argued that even where a range is stated, conventional industry tolerances apply.

The 2010 ADA Standards state:

**104.2 Dimensions.** Dimensions that are not stated as “maximum” or “minimum” are absolute. All dimensions are subject to conventional industry tolerances.

Committee Action:           AS                   AM                   D

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104.2-WAI.doc

## 1-7 – 12

### 104.2 (New)

**Proponent:** Kimberly Paarlberg, International Code Council

**Add new text as follows:**

**104.2 Calculation of Percentages.** Where the required number of *elements* or *facilities* to be provided is determined by calculations of ratios or percentages and remainders or fractions result, the next greater whole number of such *elements* or *facilities* shall be provided. Where the determination of the required size or dimension of an *element* or *facility* involves ratios or percentages, rounding down for values less than one half shall be permitted.

**Reason:** The quantity of change proposals submitted by International Code Council is reflective of three elements of our work: 1. ICC is the Secretariat for the Standard and some changes reflect inconsistencies or improvements suggested by staff; 2. ICC develops and publishes a Commentary on the standard and writing the commentary illuminates issues of the text and figures; and 3. ICC provides an interpretation service for the standard which results in the observation of provisions the users find most confusing.

Scoping provisions typically require you to always round up, however, this idea of addressing rounding is in the ADA.

Committee Action:           AS                   AM                   D

104.2 #2-PAARLBERG.doc

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# 1-8 – 12

## 105.2.1, 105.2.2, 105.2.4, 105.2.6, 105.2.8

**Proponent:** Kimberly Paarlberg, International Code Council

**Revise as follows:**

**105.2.1 Manual on Uniform Traffic Control Devices:** MUTCD-~~2003~~ 2009 (The Federal Highway Administration, Office of Transportation Operations, Room 3408, 400 7th Street, S.W., Washington, DC 20590).

**105.2.2 National Fire Alarm Code:** NFPA 72-~~2007~~ 2010 (National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269-9101).

**105.2.4 Power Operated Pedestrian Doors:** ANSI/ BHMA A156.10-~~2005~~ 2011(Builders Hardware Manufacturers' Association, 355 Lexington Avenue, 15th Floor, New York, NY 10017).

**105.2.6 Safety Standard for Platform Lifts and Stairway Chairlifts:** ASME A18.1-~~2005~~ 2008(American Society of Mechanical Engineers International, Three Park Avenue, New York, NY 10016-5990).

~~**105.2.8 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment** ASTM F 1292-~~99~~. (ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA, 19428-2959).~~

**Reason:** The quantity of change proposals submitted by International Code Council is reflective of three elements of our work: 1. ICC is the Secretariat for the Standard and some changes reflect inconsistencies or improvements suggested by staff; 2. ICC develops and publishes a Commentary on the standard and writing the commentary illuminates issues of the text and figures; and 3. ICC provides an interpretation service for the standard which results in the observation of provisions the users find most confusing.

The latest versions of standard should be referenced unless there is a specific reason not to update. There should not be earlier editions of a standard referenced. Section 105.2.8 lists an earlier edition of a standard also listed in Section 105.2.9.

The revisions shown above are based the current editions of these standards listed in the 2012 *International Building Code*. Staff will determine for the August 2012 Committee meeting if other standards listed in Section 105.2 have more current editions

Committee Action:           AS                   AM                   D

105.2-PAARLBERG.doc

# 1-9 – 12

## 105.2.5

**Proponent:** Brian Black, BDBlack & Associates, representing National Elevator Industry Inc.

**Revise as follows:**

**105.2.5 Safety Code for Elevators and Escalators:** ASME A17.1- ~~2007~~ 2013/CSA B44-~~07~~ 13  
(American Society of Mechanical Engineers International, Three Park Avenue, New York, NY 10016-5990)

**Reason:** This change updates the reference standard to the edition that will be published by the time the next A17.1 is published. A significant benefit to persons with disabilities will be the inclusion of new **Occupant Evacuation Operation** rules in the 2013 edition. These rules specify how elevators will operate during fire conditions to allow persons to use the elevators to evacuate the building.

Committee Action:           AS                   AM                   D

105.2.5-BLACK.doc

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# 1-10 – 12

## 106.5

**Proponent:** Ed Roether, representing the ADA/A117 Harmonization Task Group

**Revise or add the following definitions:**

### 106.5 Defined terms

**assembly area.** A building or facility, or portion thereof, used for the purpose of entertainment, worship, educational or civic gatherings, or similar purposes. For the purposes of these requirements, assembly areas include, but are not limited to, classrooms, lecture halls, courtrooms, public meeting rooms, public hearing rooms, legislative chambers, motion picture houses, auditoria, theaters, playhouses, dinner theaters, concert halls, centers for the performing arts, amphitheaters, arenas, stadiums, grandstands, or convention centers.

**assistive listening system (ALS).** An amplification system utilizing transmitters, receivers, and coupling devices to bypass the acoustical space between a sound source and a listener by means of induction loop, radio frequency, infrared, or direct-wired equipment.

**space.** A definable area, such as a room, toilet room, hall, assembly area, entrance, storage room, alcove, courtyard, or lobby.

**transition plate.** A sloping pedestrian walking surface located at the end(s) of a gangway.

**vehicular way.** A route provided for vehicular traffic, such as in a street, driveway, or parking facility.

**Reason:** The ADA/A117 Harmonization Task Group (HTG) was created as a task group of the A117.1 Committee to compare the 2010 ADA with the 2009 A117.1 Standard. The HTG has recommend a series of changes through a set of change proposals. The HTG is recommending changes, for the most part, address where the ADA was viewed as more stringent than the A117. Where the A117 contained provisions not addressed in the ADA, these were not considered a conflict needing action to amend the A117. In addition there are a number of places where the ADA and A117.1 are different as a result of specific actions, by the A117.1 Committee during the development of the 2009 edition, to remain or create a difference where, in the judgment of the committee the ADA was deficient.

**Definitions:** These definitions are contained in the 2010 ADA but are not in the A117.1, or not in the way. The terms are used and the definitions will assist the users.

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