



# ADULT CHANGING STATIONS

ICC Adoptions

ANSI A117.1 Adoptions

Proposed IAPMO Standard

# Current Adoption Status for Adult Changing Stations

- **International Code Council: 2024 International Building Code**
  - **E142-2021 - Scoping provisions**
    - Adopted 14-0
  - **Final approval later after Public Comment later this year.**
- **ANSI A117.1 Consensus Committee**
  - **09-90-2021 - Technical provisions**
    - Reviewed and approved
  - **Final approval after Public Comment period later this year**
- **IAPMO Standard for Adult Changing Stations**
  - **IAPMO Committee established**
  - **Anticipate completion of work prior to final approval of ANSI A117.1 technical language**

Task Force  
Submission for  
2023 ANSI:  
06-90-21  
ANSI Consensus  
Committee  
Hearings

IAPMO Standard  
For Adult  
Changing Stations

Currently **no applicable standard**  
is available or referenced addressing  
**Adult Changing Stations.**

**IAPMO** (International Association of  
Mechanical and Plumbing Officials)  
has established a committee that  
will **develop a standard during 2023.**

It is expected to be available for adoption by  
the **ANSI A117.1 Consensus Committee**  
prior to the final adoption of  
the **2023 ANSI A117,1.**

# Code Change Process

## ICC and ANSI A117.1

## What to for ACS reqmts

### BACKGROUND:

1. The **2017 edition of ANSI A117.1** meets and exceeds the minimum requirements of the **2010 ADA**.
2. The Adult Changing Station provisions will be in
  - a. the **2024 edition of the International Building Code (IBC)**,
  - b. with the **2023 ANSI A117.1** as a referenced accessibility standard.

#### For States/municipalities that adopt the IBC with the referenced ANSI A117.1 standard:

1. **Petition the group** that adopts building codes for the state/municipality to **adopt the 2024 IBC and 2023 ANSI A117.1**.
2. If earlier building code editions are adopted, request **amending that adoption** with the ACS provisions approved by IBC and the ANSI Consensus Committee.

#### For States/municipalities that do **not** adopt the IBC with the referenced ANSI A117.1 standard:

1. **Petition the group** that adopts building codes for the state/municipality to **adopt the 2024 IBC and 2023 ANSI A117.1**.
2. If ADAAG or earlier building code editions are adopted, **request amending that adoption** with the ACS provisions approved by IBC and the ANSI Consensus Committee.

# Adoption Process States and Local Governments

## STANDARDS DEVELOPMENT:

1. **ICC Consensus Procedures** are on the [ICC Standard Page](#)
2. **ICC A117.1 web page** is the **best place for their dates to be posted for development**
  - a. The original work plan is *no longer valid* because the committee has been taking way longer than expected for debate on the original proposals.
  - b. Best idea for **FIRST PUBLIC COMMENT PERIOD** is probably June or July of 2023. <https://www.iccsafe.org/icc-asc-a117-1/>

The best available graphic currently that ICC has for the new code change process (see link below).

### **Overview of revised Code Development Process.**

[Link to Revised Code Development Process](#)

[Information above from  
Kimberly Paarlberg, ICC Senior Staff Architect,  
Codes and Standards Department]

# Remainder of Presentation

1. ADA – ADAAG
2. Adult Changing Station Issues
3. **ANSI A117.1 Task Force**
  - a. **Scope** on Adult Changing Stns
  - b. **Tasks**
  - c. **Objective**
  - d. **Process 1 + 2**
  - e. **State language reviewed**
4. **Adopted language Submitted**
  - a. ICC: **E142-21** – 3 pgs with links
  - b. ANSI A117.1: **06-90-21** – 9 pgs

# ADA + ADAAG

- **The Americans with Disabilities Act (ADA)** establishes:
  - **Design requirements for**
    - **new construction and alteration of facilities**
    - **in the private and public sectors.**
- **Requirements are known as the ADA Accessibility Guidelines or "ADAAG."**
  - Contains requirements for **new construction and alterations.**
- **2010 USDOJ issues**
  - Addresses **baby changing tables** only
  - No changes since 2010
  - Enforced 'after the fact' only when complaints occur unless adopted by state
- **Scoping for ACS needs to be addressed:**
  - **in model building code** adopted by each state
  - In **state-adopted specific accessibility** code

# ISSUES

## ADAAG addresses

1. Baby changing tables (BCT)
2. BCT clear floor area reqmts.

- When User **outgrows** Baby Changing Table
  - Changed on floor when/if space available
  - Unable to go out or travel any distance from home due to lack of facilities
- This typically may address
  - Anyone larger than BCS size
  - Anyone requiring assistance with sanitary issues
  - Older people with disabilities
  - Reflects medical advances in care after ADA adoption
- Locations:
  - Elementary, middle, + high schools;
  - Universities, colleges;
  - Large assembly spaces, including museums, arenas and convention centers



ANSI A117.1  
established a  
TASK FORCE

SCOPE  
8/4/2020

- Evaluate the **requirements** for
  - **adult changing tables** and the
  - **associated room requirements.**
- Recommend **technical criteria** for
  - **changing tables** and
  - **associated clearances.**
- Recommend **scoping criteria** for
  - **which occupancies** should include such facilities.

# TASKS Identified 8/4/2020

1. Review **current laws or proposed laws** for such facilities (e.g., Rhode Island, California, Minnesota, Pennsylvania).
2. Review **history and experience with current** installations (e.g., Chicago-O'Hare Airport).
3. Review **products available** on the market for coordination with technical requirements.
4. Review **room requirements** such as toilet, lavatory, turning space, amenities, waste disposal, signage.
5. Review **options for fixed tables** in areas with high vandalism vs. adjustable tables.
6. Review **options for lifts** to assist in transfer.
7. Propose **technical criteria** for the adult changing tables and associated transfer/care giver space.
8. Propose **scoping for new construction** (e.g., highway rest stops, transportation facilities, malls, others).
9. Propose **scoping for existing buildings** (e.g., alterations, additions, new bathrooms)
10. Recommend **location for technical criteria** (e.g., within the standard, an appendix, a separate document, etc.)

# OBJECTIVE

## 8/4/2020

1. Recommend **proposed technical criteria** for the A117.1 standard, and/or other organizations as appropriate.
  
2. Submit **proposed scoping** to
  - a. A117.1 Scoping Task Group and/or
  - b. Other organizations as appropriate.
    - ICC for 2024 IBC inclusion
    - IAPMO for Adult Changing Table standard

# Adult Changing Table (ACT) Task Force

## PROCESS 1

- **Composed of 23 Task Force members**
  - **code consultants, architects, manufacturers, government representatives, , and participants from related disciplines.**
- **Researched **pending ACT legislation** in/for**
  - **18 US states (plus CA + MD already enforcing) and**
  - **4 foreign countries (Canada, Australia, UK and Europe)**
- **Recommend **scoping criteria** for**
  - **which occupancies should include such facilities.**

# TASK FORCE PROCESS

Every 2<sup>nd</sup> Tues  
2:30 – 3 PM  
8/8/20 - 6/8/21

Additional  
separate sub-  
group mtgs

## PROCESS 2

- **Task Force members**
  - **Divided into 5 sub-groups**
  - **2-4 mbrs/sub-group**
- **5 individual sub-groups addressing**
  1. **Definitions**
  2. **Scoping**
  3. **Room Reqmts + Vent/Ltg**
  4. **Plumbing**
  5. **Table/surface provisions**
- **Sub-group evaluations presented to main group for**
  - **Discussion + approval**



# ADOPTED LANGUAGE

- ICC for 2024 IBC
- ANSI A117.1

ICC Submission  
for 2024 IBC:  
E142-21

ICC Code Hearings:  
6/22

Approval 14-01  
without changes  
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**1110.3 Adult Changing Stations.** **Where required**, adult changing stations shall be accessible and shall comply with Sections 1110.3.1 through 1110.3.4.

**1110.3.1 Where required.** **At least one** adult changing station shall be provided in the building in the occupancies listed below:

1. In **assembly and mercantile occupancies**, where family or assisted-use toilet or bathing rooms are required to comply with Section 1110.2.1.
2. In a **college or university business occupancy**, where an aggregate of twelve or more male and female water closets or urinals are provided on any floor in a building.
3. In an **elementary or high school educational occupancy with an assembly use**, where an aggregate of six or more male and female water closets is required for that assembly use.
4. In **highway rest stops** and **service plazas**.



# ICC Submission for 2024 IBC: E142-21

ICC Code Hearings:  
6/22

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**1110.3.2 Room.** Adult changing stations **shall be located in toilet rooms open to the public that include only one water closet and only one lavatory.** Fixtures located in such rooms shall be included in determining the number of fixtures provided in an occupancy.

- **Exception:** Adult changing stations **shall be permitted to be located in family or assisted toilet rooms required in Section 1110.2.1.**

**1110.3.3 Prohibited location.** The **required accessible routes** to adult changing stations **shall not pass-through security checkpoints.**

**1110.3.4 Travel distance.** **Where buildings are required to have an adult changing station** in accordance with Section 1110.3.1, adult changing stations **shall be located such that a person is no more than one story above or below the story with the adult changing station** and the **path of travel to such facility shall not exceed 2000 feet.**

ICC Submission  
for 2024 IBC:  
E142-21

ICC Code Hearings:  
6/22

Approval 14-0  
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## Highlights from 2021 Action Committee Hearings:

<https://www.iccsafe.org/building-safety-journal/bsj-dives/code-change-highlights-from-the-2021-committee-action-hearings/>

## E142-21 Language:

<https://www.cdpaccess.com/live/proposal/6786/html/>

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Committee  
Hearings:  
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**603.2.2 Door swing.** Doors shall not swing into the clear floor space or clearance for any fixture.

**EXCEPTIONS:**

- 1. Doors** to a toilet or bathing room **for a single occupant, accessed only through a private office and not for common use or public use** shall be permitted to swing into the clear floor space, **provided the swing of the door can be reversed** to comply with Section 603.2.2.
- 2. Where the room is intended for individual use, family or assisted-use, and a clear floor space is provided within the room outside the arc of the door swing,** the **such a door** shall **not be required to comply** with 603.2.2.

**SECTION 902  
DINING SURFACES AND WORK SURFACES**

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

**Exceptions:**

- Dining surfaces and work surfaces primarily for children's use shall be permitted to comply with Section 902.5.
- 2. Adult changing surfaces** shall **not be required to comply this section.**

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## SECTION 613 ADULT CHANGING STATIONS

**613.1 General.** **Adult changing stations** shall **comply with Section 613.2 through 613.4.**

**613.2 Installation location.** **Where provided, adult changing stations** shall be **installed in** accordance with the **locations** specified in Section 613.2.1, 613.2.2 or 613.2.3.

**613.2.1. Single user or family or assisted use toilet or bathing room.** **Where adult changing stations are provided** in a toilet room with only one water closet and one lavatory, or in a family or assisted-use toilet or bathing room, **the room shall provide all of the following** components:

1. A **dispenser for soap** complying with Section 308.
2. A **hand towel dispenser or hand dryer** complying with Table 603.6.
3. A **coat hook** located in close proximity to the changing surface.
4. A **waste receptacle.**
5. **Signage** indicating “Adult Changing Station” **provided at the entrance** to the room and **complying with the visual character requirements** in Section 703.2.
6. **Signage indicating** the **weight capacity** and **instructions for operation** of the changing station within the room.

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**613.2.2 Multi-user toilet or bathing room. Where adult changing stations are provided in a multi-user toilet or bathing room, the adult changing station shall be located in a compartment that includes all of the following components:**

- 1. Privacy** provided by walls, curtains or partitions **enclosing the compartment.**
- A **turning space** complying with Section 304.
- A **lavatory** complying with Section 606.
- A **dispenser for soap** complying with Section 308.
- A **hand towel dispenser or hand dryer** complying with Table 603.6.
- A **coat hook** in close proximity to the changing surface.
- A waste receptacle.**
- 8. Signage** indicating “Adult Changing Station” provided **at the entrance to the room** and **complying with the visual character requirements** in Section 703.2.
- 9. Signage** indicating the **weight capacity** and **instructions for operation of the changing station** within the compartment.

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**613.2.3 Room or space other than a toilet room or bathing room.**  
**Where adult changing stations are provided in a room or space other than a toilet or bathing room and including, but not limited to,** nurses' work areas, therapist work areas, or special education classrooms, the **adult changing station shall be located in a compartment or room that includes all of the following components:**

- 1. Privacy** provided by walls, curtains or partitions.
- 2. A turning space** complying with Section 304.
- A **lavatory** complying with Section 606 **or an alcohol-based hand sanitizer dispenser.**
- Where a lavatory is provided in the compartment or room, **provide a dispenser for soap.**
- Where a lavatory is provided in the compartment or room, **provide a hand towel dispenser or hand dryer** complying with Table 603.6.
- A **waste receptacle.**
- 7. Signage** indicating the **weight capacity** and **instructions for operation** of the changing station within the room.

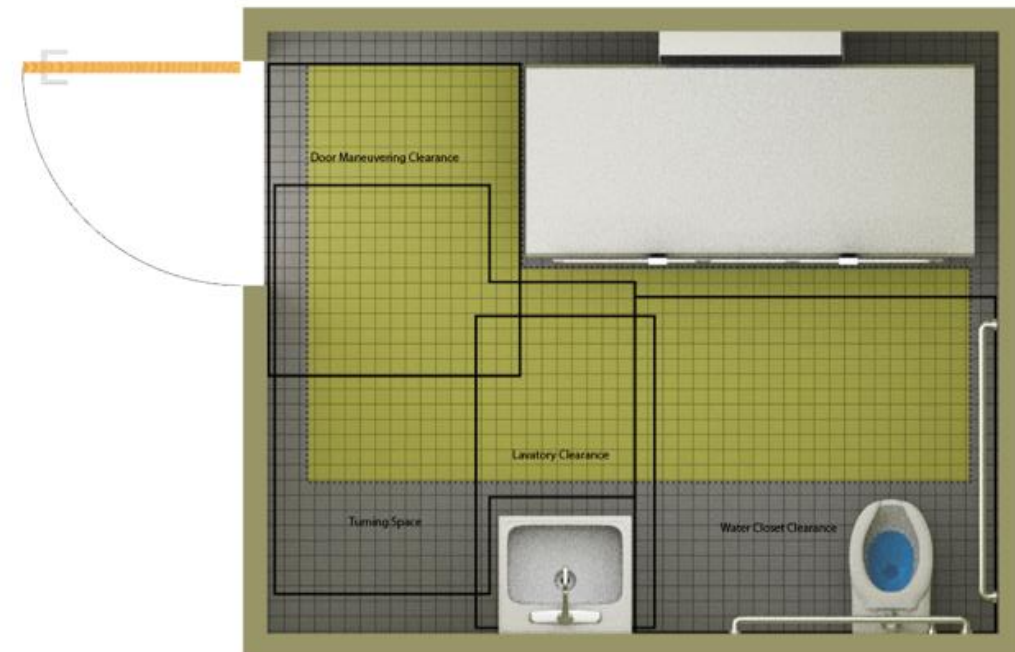
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**613.3 Room clearances.** An **adult changing station and its supporting structure shall not obstruct** required clear floor spaces and clearances at

- accessible elements,
- maneuvering clearances at doors,
- or the wheelchair turning spaces.



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**613.4 Changing surface.** A **changing surface shall be provided** and **shall comply with** Section 613.4.

**613.4.1 Safety and performance.** Adult changing stations **shall comply with the following** safety and performance requirements:

- 1. Protect the user** from falling from the changing surface along the open long sides, **by means such as retractable safety rails.**
- 2. Provide a belt** to **secure the user** on the changing surface.
- 3. Protect** the user and caregiver **from entrapment** during operation.
- 4. Support a weight** of **not less than 400 lbs.** (182 kg) applied to the changing surface
5. Provide a method to **prevent tipping** such as secured to the floor or wall, or other means.
- 6. Provide** a changing **surface that is durable, cleanable, non-absorbent, and resistant to corrosion.**
- 7. Electrical components** complying with NFPA 70.
- 8. Operable controls** for height adjustment and, where provided, on and off complying with Section 309.4.



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**613.4.2 Size.** The **changing surface** shall be **70 inches** (1778mm) **minimum in length** and **30 inches** (762mm) **minimum in width.**

**613.4.3 Height adjustability.** The **changing surface height shall be adjustable at variable heights** from 17 inches (432mm) minimum to 38 inches (965mm) maximum above the floor as measured to the top of the changing surface.

**Exception: Where** the adult changing station is **not required by the administrative authority**, a **fixed height changing surface shall be permitted** and shall be mounted with the **top of the changing surface** 19 inches (483mm) minimum and 23 inches (584 mm) maximum above the floor.

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**613.4.4 Clearances.** **Clearances** complying with Sections 613.4.4.1 and 613.4.4.2 **shall be provided adjacent to the changing surface**, measured when the surface are in the operational position.

**613.4.4.1 Side clearance.** A **36-inch (914mm) deep minimum side clearance** shall be provided **along the open long side** of the changing surface.

**Exception:** In the raised position, the side rail shall be permitted to overlap the side clearance.

**613.4.4.2 End clearance.** A **36-inch (914mm) wide minimum end clearance** shall be provided **along the depth of one end** of the changing surface. The width of the end clearance shall extend the depth of the changing surface and the side clearance.

**Exceptions:**

1. A 24-inch (610 mm) wide minimum end clearance shall be permitted where a clear floor space complying with Section 305.3 is provided within the room beyond the clearances for the changing surface.
2. Where installed in locations specified in Section 613.2.3, end clearances complying with Section 613.4.4.2 is not required.

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**613.4.5 Side rail.** **Where side rails are provided** at the changing surface they **shall comply with** Sections 613.4.5.1 and 613.4.5.2.

**613.4.5.1 Size and location.** **Side rails shall be** a **minimum** of **2/3 of the length** of the changing surface **and** shall be **centered +/- 3 inch (75 mm) along the long open sides** of the changing surface.

**613.4.5.2 Rail positioning.** **Side rails shall be capable of being raised and lowered.** The side rail **shall be fixed in place when in the raised position.** The top of the side rail shall extend 5 inches (127mm) minimum above the top of the changing surface.

# Questions to:

Laurel W. Wright, Chair

ANSI A117.1 - ACS Task Force

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