

# ANSI A92

## A GUIDE TO UNDERSTANDING ANSI STANDARD CHANGES

### What is changing and when?

The American National Standards Institute (ANSI) create standards that govern the design and use of aerial work platforms across North America. The last big change to these standards occurred in 2006. The new standards become effective December 2019. They set guidelines for aerial work platform design, safe use and training. ABLE Equipment Rental is totally committed to ensuring that all of our customers and employees are fully compliant with the new ANSI A92 standards.

### General Changes

Under the new standards, aerial work platforms (**AWPs**) are now called mobile elevating work platforms (**MEWPs**). **MEWPs** are also now classified differently. Operator training and familiarization will be based on groups and types.



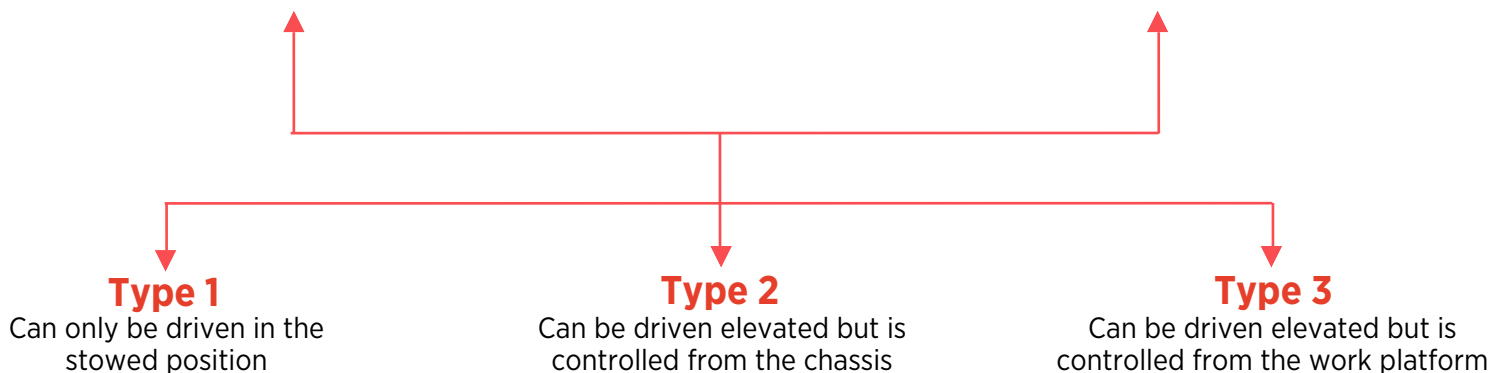
**Group A**

MEWPs with platforms that move vertically but stay inside the tipping lines



**Group B**

All other MEWPs, typically boom-type MEWPs where the platform extends past the machine's chassis



**EVERYONE MUST BE TRAINED TO THE NEW STANDARDS REGARDLESS OF PRIOR TRAINING**



# ANSI A92.24: Training

**GOAL** ▶ Provide guidance on preparing MEWP training materials, define how theoretical and practical training should be delivered and identify required elements for proper training and familiarization

- Companies that rent equipment (aka users) - must train and familiarize, or have proof of training and familiarization, for all employees they allow to operate a MEWP
- Rental companies (aka dealers) - must offer operator training or explain where the operator can get training when selling, leasing or renting a MEWP to someone
- When requested, dealers must offer familiarization to the person buying, leasing or renting a MEWP
- All training must be delivered by a qualified person and must be offered in a language and format the trainee can understand
- Occupants in the platform must have knowledge of how to work safely in a MEWP, including:
  - *How to use fall protection and the location of fall protection anchors*
  - *How their actions could affect stability*
  - *How to safely use MEWP accessories they are assigned to use*
  - *How to adhere to the safety plan and avoid site-specific hazards*
  - *How to complete emergency procedures in line with manufacturer's warning and safety information*
- People who directly supervise MEWP operators must be properly trained in:
  - *Proper MEWP selection*
  - *Rules, regulations and standards that apply to MEWPs including operation, safe use and training*
  - *Potential hazards associated with the use of MEWPs and how to protect against them, ie: risk assessment*
  - *How to properly train their operators to perform self-familiarizations on new types of MEWPs*
  - *How to periodically evaluate their operators*
- Maintenance and repair personnel must be trained to properly inspect and maintain MEWPs

## Who's required to complete training?

- Supervisors
- Operators
- Occupants
- Mechanics
- Drivers






# ANSI A92.22: Safe Use

## GOAL ▶ Specify requirements for application, inspection, training, repair and safe operation of MEWPs

The new standards require you to develop a safe use program to guide MEWP use on the job site. A safe use program starts with a site risk assessment, then continues daily with repeated emphasis on safety and properly trained personnel.

### How To Perform a Site Risk Assessment\*

01	<b>Define the Work</b> <ul style="list-style-type: none"> <li>■ Task: What specific tasks do you need to do to complete the job?</li> <li>■ Location: Where will you be working? Will you need to transport machines?</li> </ul>	<ul style="list-style-type: none"> <li>■ Timing: What is the deadline for the completion of the work?</li> <li>■ Are there times any restrictions on the work hours?</li> </ul>
02	<b>Evaluate Risks</b> <ul style="list-style-type: none"> <li>■ MEWP related: Working at height, staying within rated capacity</li> <li>■ Job-specific: Avoiding power lines, accessing hard-to-reach areas</li> </ul>	<ul style="list-style-type: none"> <li>■ Additional: Keeping workers on the ground safe, preventing unauthorized use of equipment</li> <li>■ Ground slope and floor loading limitations</li> </ul>
03	<b>Select a MEWP</b>	 <ul style="list-style-type: none"> <li>● Boom Lift</li> <li>● Scissor Lift</li> <li>● Vertical Lift</li> </ul>
04	<b>Identify Controls</b> <ul style="list-style-type: none"> <li>■ Safe work procedures: Use correct PPE, ensure understanding of fall arrest systems</li> <li>■ Proper training: For operators, occupants, supervisors and maintenance personnel</li> </ul>	<ul style="list-style-type: none"> <li>■ Smart scheduling: Organize the work in ways that minimize exposure to hazards</li> <li>■ Rescue planning: May include self-rescue, assisted rescue and/or technical rescue</li> </ul>
05	<b>Communicate</b> <ul style="list-style-type: none"> <li>■ Operator is trained and authorized to operate the MEWP</li> <li>■ Occupant has basic knowledge of MEWP use and safety</li> </ul>	<ul style="list-style-type: none"> <li>■ Supervisor monitors use of MEWP to ensure safety plan is followed</li> <li>■ Technician performs MEWP maintenance in line with manufacturer's requirements</li> </ul>

\*The steps listed above are several of the necessary steps when performing a site risk assessment. Consult your site supervisor for a full list of required steps.



# ANSI A92.20: Machine Design

**GOAL** ▶ Serve as a guide for manufacturers, remanufacturers, engineers and designers of MEWPs to ensure the machines being built are compliant

## Load Sensing      Wind Force Requirements      Tires

**New:** Machines are required to actively monitor load and interrupt normal operations/sound an alarm if overloaded.

**New:** To be rated for outdoor use, machines may require reduced platform capacities and/or increased weight for more stability.

**New:** Most rough terrain equipment is only available with solid and/or foam-filled tires based on new stability testing guidelines. Air filled are still allowed but must go through additional testing procedures

## Tilt Sensing Requirements      Entrance Gates      Platform Railings

**New:** Machines that could previously only operate on level surfaces can now be used on slopes but are required to have a tilt sensor alarm and cutout. The system will disable boom and drive functions if the incline surpasses the slope limit.

**New:** Flexible devices, like chains, are no longer acceptable entrance gates, and toe boards must be on all areas of the platform.

**New:** The railing height requirement has been raised for small indoor scissor lifts, so to fit through standard doorways, taller, folding rails are needed to replace fixed, non-folding rails on select models.

## Machine Markings and Manuals

**New:** Operator manuals must include a list of MEWP functions, features, operating characteristics, limitations and devices to be included in familiarization. Each machine must have a dedicated space to mark the date of the last annual inspection.

Old machines do not need to be retrofitted to meet the new standards.

## TRAINING PROGRAMS

# ABLE

### EQUIPMENT RENTAL



ableequipment.com

OSHA requires all operators of Mobile Elevated Work Platforms (MEWPs) to be trained prior to operation. ABLE offers two types of training - classroom & online. Both of these training options fulfill the requirements set by ANSI for the new A92.22 Safe Use and A92.24 Training Requirements that go into effect December 2019.

**Classroom training:** Includes theory, all required course materials, hands-on practical evaluation, exam and certificate of completion. Ideal class size is 6 people. Saturday classes also offered. Course fee required.

**Online training - Two part program.** Complete at your own pace. Part 1 online instruction includes all required course materials, exam and certificate of completion. Part 2 includes hands-on evaluation at an ABLE facility or jobsite. Upon completion of Parts 1 & 2, an operator card will be issued. Course fee required.

**We also offer TELEHANDLER and Straight Mast Forklift Training.**

ABLE's 6 locations serve the Northeast region including New York, New Jersey, Connecticut, Pennsylvania, Maryland and Delaware. For more information or to schedule a class, call at (866) 468-2666 or email us at A92@ableequipment.com