



NPCCA

National Precast Concrete Association

precast.org

Introduction

The purpose of the NPCA (MEWP) Task Force is to assist our producing members in the education and understanding of evolving standards and practices. We are not an outright authority but a resource for information and networking. Our overarching goal is to increase knowledge and advocate for safe work practices.

Together we can make a meaningful positive impact on “Safety Culture”.....mitigating injury and potentially saving lives.

The NPCA and MEWP Task Force has committed to this task and takes its role seriously.

The following presentation will highlight key components of changes made to the following standards:

ANSI/SAIA – A92.24: Effective December 2019 – Training Requirements for the USE, OPORTION, INSPECTION, TESTING & MANITENANCE of (MEWPs)

ANSI/SAIA – A92.22: Effective June 2020 – Safe Use of (MEWPs)

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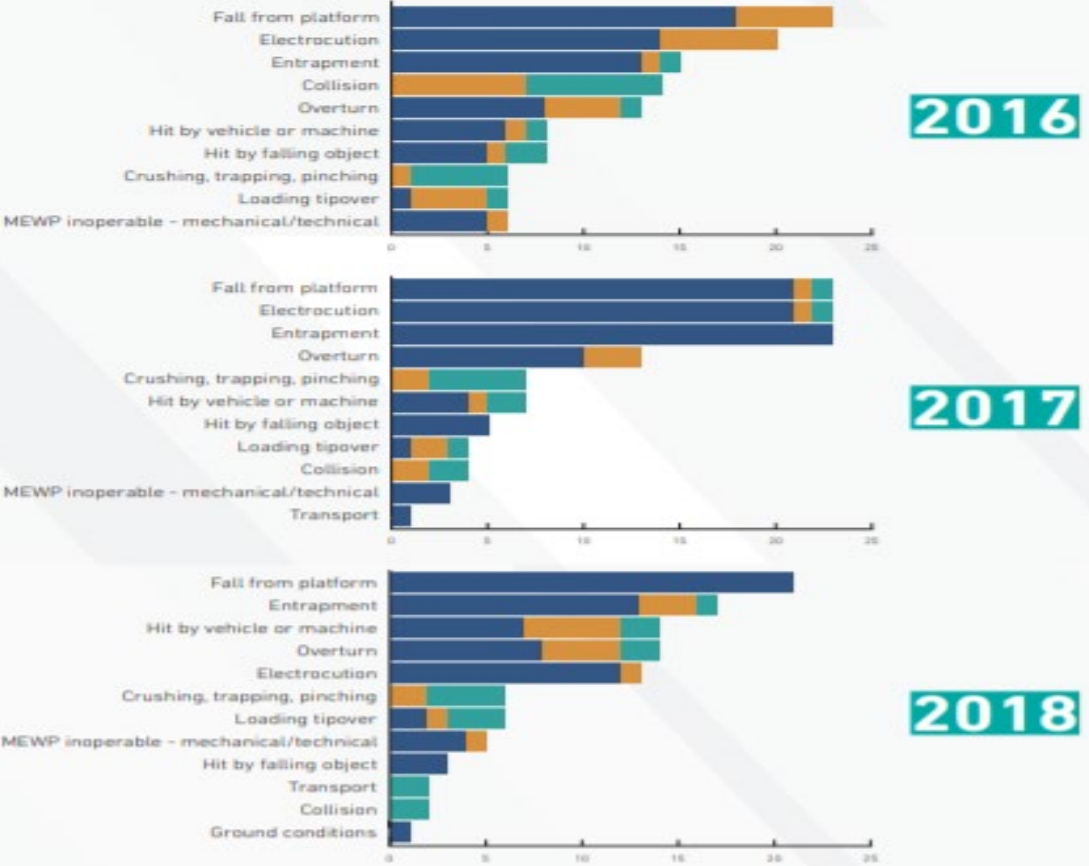
Injury Statistics: Provided by www.ipaf.org

CATEGORY

TOTAL LOST-TIME INCIDENTS INCLUDING FATALITIES BY CATEGORY BY YEAR

Fatal and lost-time incidents (One or more persons injured that caused the person(s) to not work for one or more days) by category, per year.

FATALITY
MAJOR INJURY
MINOR INJURY



ANNUAL AVERAGE OF LOST-TIME INCIDENTS BY CATEGORY



General Changes and New Classifications

In December 2018 new ANSI Aerial and Scissor lift standards were released. These new best practices have been reviewed and modified until a final standards was confirmed. The new ANSI A92 suite of standards took effect on June 1, 2020.

The reason for change was due to appeals concerning requirements that the Manual of Responsibilities be placed on every Mobile Elevating Work Platform (MEWP) and that modifications or additions to a MEWP could only be made with the permission of the manufacturer.

In addition to the changes in training requirements, equipment design and job safety rules, new terminology and classifications regarding aerial and scissor lifts are taking effect.

The new standards were devised to increase the safety of all entities involved with the use of MEWPs.

New Classifications

Aerial Work Platforms have now been renamed and are now called **Mobile Elevating Work Platforms or MEWPs**.

Previously - Aerial Work Platforms were classified by product type.....like scissor lifts, boom lifts.....etc.

MEWPs will now be classified into two “**GROUPS**” and sub divided onto three “**TYPES**”

GROUP A

MEWPs that move vertically but stay within the chassis or tipping lines.

GROUP B

MEWPs that can be moved beyond the machine’s chassis or tipping lines.

TYPE 1 MEWPs – Can only travel with the platform in a stowed position.

TYPE 2 MEWPs – Can travel elevated and is controlled from the chassis.

TYPE 3 MEWPs – Can travel elevated and is controlled from the platform.



GROUP A – MEWPs with platforms that move vertically but stay inside the tipping lines.



GROUP B – MEWPs All other MEWPs where the platform extends past the machine's chassis.

With respect to:

Type 1 (Can only be driven in the stowed position)

Type 2 (Can be driven elevated but is controlled from the chassis)

Type 3 (Can be driven elevated but is controlled from the work platform)

Please confirm the Type of **MEWP** with your providing supplier. Adhere to all guidelines, procedure, operational and safety requirements outlined by supplier.

Training Requirements

The new standards put forth by ANSI & CSA set the onus of responsibility on Dealers, Owners and Users.

ANSI A92.24	
Dealers, owners and users must train and familiarize or have proof of training and familiarization, for all employees they allow to operate a MEWP.	Dealers must offer “operation training” or explain where the operator can get training.
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 MEWP must have knowledge of how to work safely, including: <ul style="list-style-type: none"> - How to use fall protection and the location of fall protection anchors. - How their actions could affect stability - How to safely used MEWP accessories they are assigned to use. - How to adhere to safety plan and avoid site specific hazards - How to complete emergency procedures in line with manufacturer’s warnings and safety information. 	People who directly supervise MEWP operators must be properly trained in: <ul style="list-style-type: none"> - Proper MEWP selection - Rules, regulations and standards that apply to MEWP’s including operation and safe use and training - Potential hazards associated with the use of MEWP’s and how to protect against them. - Where manufacturer’s operation manuals should be stored and how to be used.

WHO REQUIRES TRAINING??

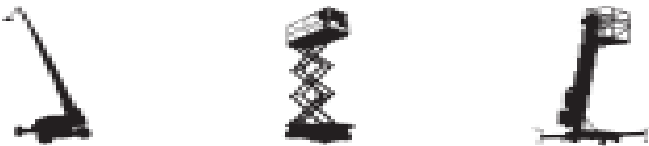
Operators (ANSI & CSA)
 Occupants (ANSI & CSA)

Supervisors
 Maintenance & Repair Personal

(ANSI Only)
 (CSA Only)

Safe Use & Site Risk Assessment– ANSI 92.22

The new standards require you to develop a safe use program while using/operating a MEWP. The main component of safe use is starting with a thorough site risk assessment. Followed with daily communication and repeated highlighting of safety and training protocol.

<p>OUTLINE THE WORK</p>	<ul style="list-style-type: none"> • What Specific tasks will be needed to complete the job. • Where will you be working? • Will you need to transport the machine? 	<ul style="list-style-type: none"> • When does the work need to be finished? Are there restriction on time of day you can work?
<p>SELECT THE PROPER MEWP FOR THE JOB</p>	<ul style="list-style-type: none"> • Group A vs Group B • Type 1,2,3 	
<p>EVALUATE RISK</p>	<ul style="list-style-type: none"> • Working at height, staying within rated capacity • Avoiding powerlines, hard to reach areas 	<ul style="list-style-type: none"> • Keeping workers on the ground safe from falling objects or unauthorized use of MEWP
<p>IDENTIFY CONTROLS</p>	<ul style="list-style-type: none"> • Use correct PPE and understand all fall arrest anchor points and systems • Proper training and familiarization with all controls 	<ul style="list-style-type: none"> • Organize work in order to minimize exposure to hazards • Self rescue planning, assisted rescue and technical rescue
<p>COMMUNICATION</p>	<ul style="list-style-type: none"> • Operator is authorized to use MEWP • Operator has sound knowledge of MEWP and understands safe use policy 	<ul style="list-style-type: none"> • Supervisors monitor and record to ensure safety plan is followed • Maintenance team records and performs duties as specified by manufacture’s requirements

*Templates for Safe Use & Site Risk Assessment can be obtained from the manufacture or training organization. Documentation must coincide and be organized along with Owner & Site Supervisors requirements.

Maintenance – Inspection - Repair

The maintenance, inspection and repair of MEWPs are crucial requirements that keep the MEWPS working safely. Proper maintenance decreased the chance of costly repairs and helps to mitigate potential cause of injury.

Maintenance	Inspections	Frequency
<ul style="list-style-type: none">• Maintain the MEWP according to the manufacturer's recommendations.• Verify that only qualified personal conduct maintenance.• Maintenance training must be conducted by a qualified person.	<ul style="list-style-type: none">• There are multiple types and intervals for inspections. Please check with your manufacture's recommendations.• Annual Inspections• Pre-Start Inspections• Pre-Delivery Inspections	<ul style="list-style-type: none">• There are some scenarios that will require more frequent inspections.• Out of service for longer than 3 months• Environmental conditions• Under manufacturers instructions.



MEWP Rescue Planning

A documented rescue plan must be created and included in the companies training procedures. Rescue training is imperative to ensure the safe and timely rescue of a worker should he or she fall or become trapped. The plan should stipulate time constraints for occupants and be amended to match worksite or environmental conditions. Alternative rescue methods may need to be considered.

For all MEWP Rescue Planning and “working at heights” regulation please refer to OSHA for guidelines and training.

The rescue plan can include the following:

SELF- RESCUE



ASSISTED RESCUE



TECHNICAL RESCUE



Resources

OSHA Safety Training (MEWP) : <https://www.osha-safety-training.net/mewp/>

ANSI / SAIA : A92.24 - <https://webstore.ansi.org/Search/Find?in=1&st=A92.24>

ANSI / SAIS : A92.22 - <https://webstore.ansi.org/Search/Find?in=1&st=A92.22>

American Society of Safety Professionals : <https://www.assp.org/standards/standards-topics/work-aerial-work-platforms-a92>

IPAF – International Powered Access Federation : www.ipaf.org

OSHA Fall Protection Training: <https://www.osha.gov/fall-protection>