



# Mobile Elevating Work Platform SAFE USE

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IPAF North America Manager ANS/SAIA A92.22 Safe-use standard chair



## WHAT DO WE ACCEPT TODAY THAT WE WON'T ACCEPT TOMORROW?







CREWS PUTTING UP DECORATIONS AT THE INTERSECTION OF W. BROADWAY AVENUE & N. LYNDALE AVENUE (NOVEMBER 10, 1948)



## **How Do YOU MEASURE Workplace Safety?**



Safety is not the absence of accidents, Safety is the presence of defenses that PREVENT accidents





## These activities did not result in an accident: ARE THEY THEREFORE SAFE?











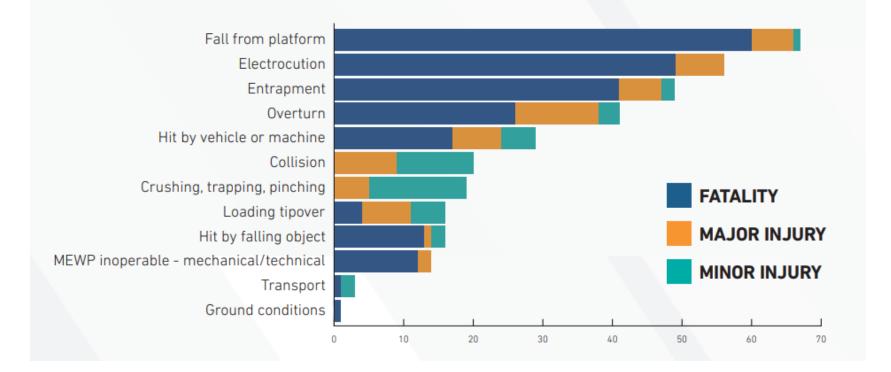
#### **IPAF MEWP ACCIDENT STATISTICS**



#### **CATEGORY**

#### **LOST-TIME INCIDENTS BY CATEGORY 2016-2018**

The chart on this page shows the top 12 lost-time incidents by category including all fatalities for the period 2016-2018. Lost-time incidents are incidents where one or more person was injured and as a result the person was unable to work for one or more days.



## Processes in a Safe-Use Plan



A SAFE-USE PLAN or System of Work is required Risk **Assessment Equipment Selection Safety of Others** Site Access, **Preparation & Unauthorized Use Maintenance Trained MEWP** Specific **Site Specific Personnel** Safe-Use Plan Requirements Maintenance, Inspections, & Repair **Trained Supervisors to Evaluate Operators Proficiency (Retraining) Documentation Operator Familiarization** 



# What are the responsibilities of CM (vs subcontractor) regarding the NEW ANSI A92 Suite of Standards?

→ USER

→ OWNER



→ DEALER

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→ CONTRACTUAL RESPONSIBILITIES



## **Record Retention**



## Required **Documentation**

#### (informative)

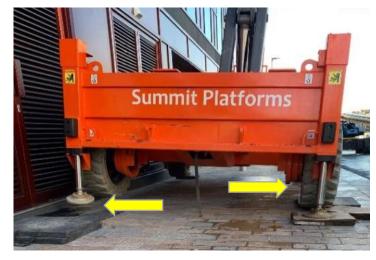
OBSCRVATIONS				
Name of instructor: Name of trainer:				
	ie of:			
Mark if acceptable				
		nice lectre V*	"Work platform mavement	
SUITABILITY	Assess the suitability for the task	Х.	ж.	
VERIFICATION	Visually sheck the condition of the MEWP	Х.	×	
	Verify that the safety-related items specified by the manufacturer operate correctly	ж	х	
POSITIONING	Direct the operator and evaluate ability to interpret and execute the command and communication gestures.	х	х	
	Pasition the unit stallocation	Х.	х.	
	Bring the MENIP into service	Ж.	×	
	Set us the markets and sions	×	×	
	Adjust the stabilizans	Ж.	×	
	Sat the MEW P hashroom	×	×	
	Position the work platform along a flat vertical surface	Ж.	×	
	Nove the work platform along a flat vertical surface	Х.	ж.	
	Position the work platform above a flat surface	Ж.	×	
	Mayo the work platform across this surface		ж	
	Position the work platform below a flat surface	X.	×	
	Move the work platform aprove this eurlage		×	
	Position the work platform in a restricted space		×	
	Put the MEWP into the transport position	X.	×	
	Smootheese of the maneuvers	×	ж	
	Accuracy of the mereuvers	X.	×	
EMERGENCY	Perform recovery management	×	ж	
	Perform resour maneuvers (from the ground position)	Х.	×	
Ming structure solves solving NOTE** Novek pioliters	rather is for nethal excurrents of the early platfors due to reasons to all the lifting shoules. It includes assume a military stage of the platfors analysis of the graduates. I reasonable "this is may recovered all the work platfors raised up assessed resulting for a question of the life the MEMP lates in morely, evolute and instands platfors reasonable assembly severage over announced as	Bing shorter	s. Trin include	n borisons

- 1. Transfer of **ownership**
- 2. Frequent and annual inspections
- 3. Pre-delivery preparation, service and repairs
- 4. Training and familiarization
- 5. The operator evaluation will be accomplished through visual observation, at a minimum, which shall be documented for retention by the user
- 6. Training test results of the theory (classroom/online) and practical (hands-on) evaluations shall be documented.
- (See Appendix A-D for examples.)
- 7. Person trained, MEWP classification, entity and person delivering training, familiarization



I've seen a couple lifts get stuck while up in the air mainly because the outrigger isn't stabilized. I know there's a manual button on the base of the lift to lower it but if that was to fail what would be the proper procedure for a worker emergency removal?





- → Machine FAMILIARIZATION
- → Site RISK ASSESSMENT
- → RESCUE PLANNING







## What's WRONG with these lifts?









Is it ever acceptable to use a board on the guardrail to stand on? Are there ways to climb the guardrails in a safe and legal way? and are there any new options to gain such

access?

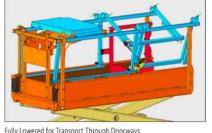












Fully Lowered for Transport Through Doorways



What do manufacturers say about parking boom lifts when not in use? Does the manufacturer allow lifts to be parked with the basket in the raised position like we see

in rental yards?

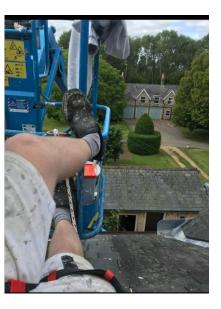
The preferred procedure "Ensure boom is fully retracted and lowered over rear axle"

If parking a MEWP with the boom elevated in an effort to conserve space, booms may be elevated but shall not be extended. It is the operator's responsibility to ensure all safety precautions.





## Are there legal ways to exit the basket onto an upper level?



















My questions would stem around the selection of the lift and at what point do you need an "engineered lift plan". Most new work gave us maximum loading limitations and/or slab capabilities but in renovation how do we handle it?

#### **Stages of Risk Assessment**

- Identify the Task to be Undertaken
- Select an Appropriate MEWP
- → Assess the Risks Associated with the Task
- Identify Control Measures
- Identify Safe Work Procedures

#### SAFE USE PLAN...

c) access, preparation and maintenance of the site, as required, to include an assessment that the support surface is adequate to support the weight of the MEWP;









I haven't received or signed for a lift in over least 20 years but I watched them get dropped off monthly for 25 years! Is it mandatory for lift providers to train receiving employees on how to use the lift? I know when you usually sign the receipt it says "you've been trained on how to use this lift" but that usually only includes the person standing there then others use the lift.

Familiarization: Providing the necessary information regarding the features, functions, devices, limitations and operating characteristics as defined by the manufacturer in the operator's manual, in order to properly utilize a specific model MEWP, to include the location of the manufacturer's operation manuals.

All <u>users</u> of MEWPs shall either train and familiarize or ensure that personnel whom they authorize as operators, supervisors and occupants have been trained and familiarized

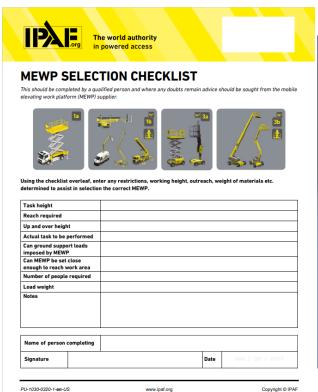
When requested by the user, the dealer or owner <u>shall offer</u> operator training <u>or advise the user where training can be obtained</u>. When requested by the user, dealers and owners <u>shall offer familiarization</u> to the person designated to receive the MEWP

#### **ASK THE EXPERT**



My thoughts take me more on the pre-construction side of things, planning! I have seen at times lifts delivered then removed and replaced due to inability to perform function needed.

When requesting a lift what questions if any does the lift provider ask? (Sales guy, with the truck driver it's too late)





Environment / Terrain / Access / Training and Supervision.

Citized Observed

White straight up

Vertical platform (Group A) or Telescopic boom or must boom (Group B)

Work requires reach

Mobile Boom 38 or 5ast Boom 18 or 3a with extension deck

Work is up and one no sibatcle

Area (A) and the straight of the Common of the MEMP of the platform

Work is up and one no sibatcle

The TASK

The Operator must be able to work comfortably from the platform

Obstance of reach required

Vor must sak account of the within of the MEMP in addition to this, two closes the MEMP can be

Size and weight of makersials

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Government of the Work of the MEMP in addition to this, two closes the MEMP can be

seesawares for same MEMPs that can secure ppear/boards etc. See supplier to determine options.

THE ENVIRONMENT

Work is indoors

Work is outdoors

Internal Combustion Engine, Hybrid or advanced Battery power

Work will involve both

Hybrid, In Power advanced battery power

Work in confined space

The STEADAN

Floor is strong and levet

Secondary guarding, or proactive platform system

THE STEADAN

Any MEMP

Floor is strong and sived

May require calcillating alses or tracks

Floor is strong and sived

May require calcillating alses or tracks

Floor is strong and sived

May require calcillating alses or tracks

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May require calcillating alses or tracks

Floor is strong and sived

May require calcillating alses or tracks

Floor is supplied the strong and increase of the will be subsidied for a MEMP without use of large pade to spread the load

Ground is apply and loase

This may not be will alse or tracks

May require a significant page pade to oppread the load.

There is a veryell restriction

Measure maximum height and ensure MEMP can pass below, consider MEMP secondary guarding

This is not an exhaustive list and is for general guidance only. Things to Consider: Height and Outreach / The Task

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#### **ASK THE EXPERT**





















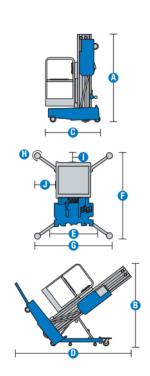


### Do they rent single person lifts and how does that training differ?

Mini scissors and manually propelled aerials are rental items where available. They are increasingly being added to manufacturers product selection.

There are a 1a MEWP classification and require both theory and practical training. Ket variance is they are typically outrigger machines and setting up in the correct location is critical to avoid overreaching when elevated.







PA-1030
PUSH-AROUND SCISSOR LIFT



NON-POWERED ECOLIFT™ SERIES



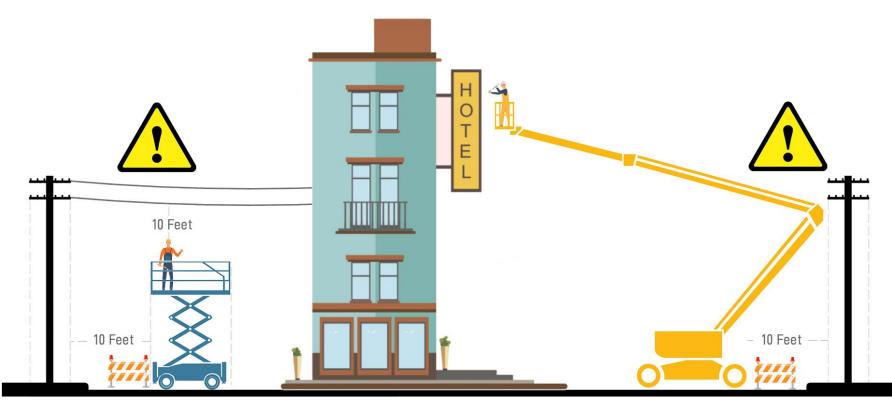






Please address safe working distance from energized power lines (insulated, uninsulated and shielded)...







#### When do rental companies plan to eliminate mid-chains from their inventories?

When a new MEWP design standard goes into effect, only machines manufactured on and after the effective date are required to be manufactured to the requirements of the new standard. All existing MEWPs in operation must remain in compliance with the manufacturing standard in effect the date they were manufactured.

As such, machines with chain guardrails allowed by the standard in effect at the time of manufacture, may remain in operation indefinitely







#### **MEWP SAFE USE PROGRAM GUIDE**





Promoting the safe and effective use of powered access

### **MEWP SAFE USE PROGRAM GUIDE**



#### **RISK ASSESSMENT**

A risk assessment is a essential component of worker site safety. MEWP Users (employers of MEWP operators) must ensure the completion of a site-specific risk assessment provides to "find and fix" potential workplace hazards before they can cause injury or illness. The A92.22/B354.7 safe use standard details the stages of a Risk Assessment to be completed by a qualified person for all workplaces where a MEWP will be operated.

#### **ACTION STEPS**

Assign a qualified person (MEWP supervisor) to complete a workplace risk assessment prior to the start of work, communicate the plan to all involved, and ensure continued monitoring of the workplace when works begins

Identify the task to be undertaken: Provide a description of the work to be performed including as much detail as possible. Consider all activities where a MEWP will be operated (loading, unloading, inspections, demonstrations any form of use). When is the work to be performed – day. week, month, year - what season, indoor or outdoors, what is the time allowed and deadline for completion? Day or

Select an appropriate MEWP: How many people are required to perform the task? What is the weight of tools and materials needed? Where is the work that needs to be completed - location, access to the area, indoor/outdoor, height, reach, ground conditions, etc. Do you have trained operator(s) qualified for task?

the risks associated with the site location, the work to be carried out, the weather, the nature of the operation of the MEWP, etc. Assess the likelihood and severity of the risk. Identify Control Measures & Safe Work Procedures:

Assess the Risks Associated with the Task: Consider

Once your potential risks have been identified, determine countermeasures to mitigate that risk. Consider, training. warning procedures etc. that impact and reduce the

Create a Rescue Plan: Rescue planning is a necessary component of a risk assessment when working at height. There are situations that require prior planning to ensure a safe and timely rescue. System failures, falls from height where occupants are left suspended outside the platform, and operator incapacity are examples that may require

Communicate the Results & Ongoing reviews: Determine how the results of this risk assessment will be effectively communicated with those involved (eg discussion/review before work shift) and set periodic review schedule to review. If modifications to the risk assessment are required, these changes shall be communicated prior to resuming



#### **EQUIPMENT SELECTION**

#### SITE ACCESS, PREPARATION AND MAINTENANCE

MAINTENANCE, INSPECTIONS AND REPAIR





















## **THANK-YOU For Sharing your Time**







SAFETY is a full-time job...

Don't think about it part time

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