

LONG ISLAND CHAPTER

AMERICAN SOCIETY OF SAFETY PROFESSIONALS

NOVEMBER 17, 2022 TECHNICAL MEETING

WELCOME ALL !!



TOPIC PRESENTER CHARLIE KEELING

REGION VIII METRO AREA DIRECTOR / PAST PRESIDENT LI CHAPTER

CERTIFIED UTILITY SAFETY PROFESSIONAL / NYS WORKPLACE SAFETY CONSULTANT



OVERVIEW OF ANSI-A92 CONSENSUS STANDARD REVISIONS AERIAL WORK PLATFORMS

EFFECTIVE DATES: -JANUARY 2020 & -MARCH 2020



SESSION AGENDA

- **WHY REVISIONS NEEDED**
- **REVIEW OF ANSI'S PURPOSE**
- **REVIEW OSHA 5(A)(1)**
 - **COMPLIANCE REVIEW & STANDARD APPLICATION**
- **REVISIONS-CHANGES SET FORTH**
 - **CATERGORIZATION CHANGES**
 - **GROUPS & TYPES**
 - **SAFE USE EXPANDED**
 - **RISK ASSESSMENT**
 - **RESCUE PLAN**
 - **TRAINING**
 - **EQUIPMENT DESIGN REVISIONS**
 - **INCIDENT REVIEWS**
 - **SUMMARY**



WHY REVISIONS NEEDED?

- **SAFETY PERFORMANCE IMPROVEMENT !!!!!**
 - **AN AVERAGE OF 26 CONSTRUCTION WORKERS DIE EACH YEAR FROM USING AERIAL LIFTS.**
 - **THIS IS 2 TO 3% OF ALL CONSTRUCTION DEATHS.**
 - **BETWEEN 2011-2014;**
 - **1,380 WORKERS WERE INJURED AS A RESULT OF OPERATING AN AERIAL LIFT OR SCISSOR LIFT.**
 - **87 WORKERS DIED AS A RESULT OF OPERATING AN AERIAL LIFT OR SCISSOR LIFT.**
- **MORE RECENT UNWANTED EVENTS**
 - **2021- “18” FATALITIES/SERIOUS INJURIES**
 - **2020- “29” FATALITIES/SERIOUS INJURIES**

WHY REVISIONS NEEDED?

- **IMPROVE SAFE OPERATION PERFORMANCE BY;**
- **REDUCING MAJOR CAUSES OF INJURIES USING AERIAL LIFTS**
 - **MAJOR CAUSES AND CONTRIBUTING FACTORS INCLUDE;**
 - **SLIPS, TRIPS & FALLS; ELECTROCUTIONS; COLLAPSES; TIP-OVERS; CRUSHING & CAUGHT BETWEEN**
- **INCREASING TRAINING AND SUPERVISION REQUIREMENTS NECESSARY**
- **IMPROVING EQUIPMENT IDENTIFICATION AND APPLICATION DESIRED**
- **INCREASING REPAIR AND MAINTENANCE RECOMMENDATIONS**
- **IMPROVING EQUIPMENT SAFETY FEATURES**

ANSI – AMERICAN NATIONAL STANDARDS INSTITUTE

FOR THOSE WHO AREN'T FAMILIAR;

- **IT'S A PRIVATE, NONPROFIT ORGANIZATION THAT DEVELOPS CONSENSUS STANDARDS AND ASSESSMENT SYSTEMS ACROSS MANY U.S. INDUSTRIES**
- **WHILE ANSI STANDARDS APPLY SPECIFICALLY TO AMERICAN PRODUCTS, THEY'RE USED AS GUIDELINES AND BEST PRACTICES WORLDWIDE.**
- **ANSI COMMITTEE MEMBERS CONSISTS OF VARIOUS STAKEHOLDERS;**
 - **USERS,**
 - **MANUFACTURES,**
 - **ASSOCIATIONS,**
 - **ORGANIZATIONS,**
 - **GOVERNMENT**
 - **INDIVIDUAL CONTRIBUTORS**
- **OSHA OFTEN REFERS TO ANSI STANDARDS IN ITS REGULATIONS**



OSHA 5(A)(1) “GENERAL DUTY CLAUSE,”

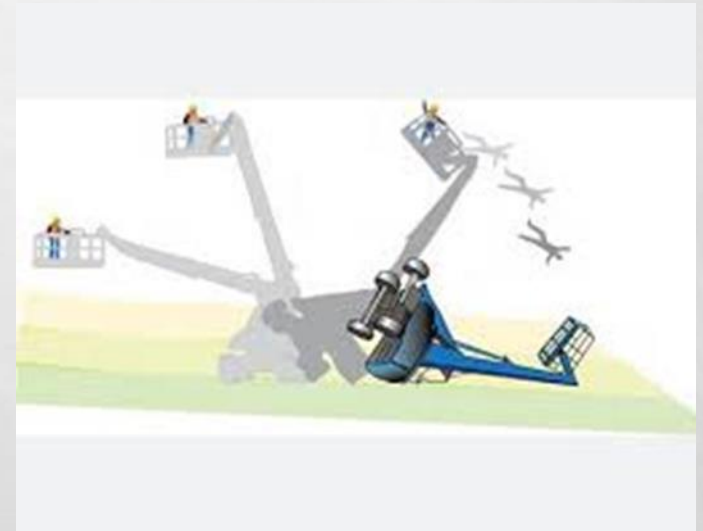
- **REQUIRES THAT EACH EMPLOYER FURNISH TO EACH OF ITS EMPLOYEES A WORKPLACE THAT IS FREE FROM “RECOGNIZED HAZARDS” THAT ARE CAUSING OR LIKELY TO CAUSE DEATH OR SERIOUS PHYSICAL HARM.**
- **USED BY OSHA “WHERE THERE IS NO STANDARD THAT APPLIES” TO THE PARTICULAR HAZARD(S) AND THE EMPLOYER HAS ITS OWN EMPLOYEES EXPOSED TO THE ALLEGED AND/OR RECOGNIZED HAZARD.**
- **RECOGNITION OF A HAZARD CAN BE ESTABLISHED BY OSHA ON THE BASIS OF “INDUSTRY RECOGNITION”, EMPLOYER RECOGNITION OR “COMMON-SENSE” RECOGNITION.**
- **INDUSTRY “CONSENSUS STANDARDS CAN BE SUSTAINED EVIDENCE” THAT AN INDUSTRY RECOGNIZES A HAZARD EXISTS AND THAT THERE ARE FEASIBLE MEANS OF CORRECTING THE HAZARD,**
 - **KNOWN AS “INCORPORATION BY REFERENCE” 1910.6**



REVISIONS

SO, WHAT'S CHANGED?

- **AERIAL WORK PLATFORMS (AWPS) ARE NOW REFERRED TO AS “MOBILE ELEVATING WORK PLATFORM” (MEWP).**
 - **THESE STANDARDS DO NOT INCORPORATE VEHICLE MOUNTED EQUIPMENT (SIMILAR HAZARDS DO EXIST)**
- **STANDARD A92.20,22, 24 WILL REPLACE A92.3, A92.5, AND A92.6**
- **NO LONGER CLASSIFIED BY EQUIPMENT TYPE, MACHINES ARE NOW CATEGORIZED BY;**
 - **2 GROUPS**
 - **SUB-DIVIDED INTO 3 TYPES**
- **RISK ASSESSMENT REQUIREMENTS EXPANDED**
- **SITE SAFETY PLAN ADDED**
- **DETAILED RESCUE PLAN NEEDED**
- **TRAINING EXPANDED**
- **EQUIPMENT MAINTENANCE UPDATES**
- **EQUIPMENT DESIGN STANDARDS UPDATED**

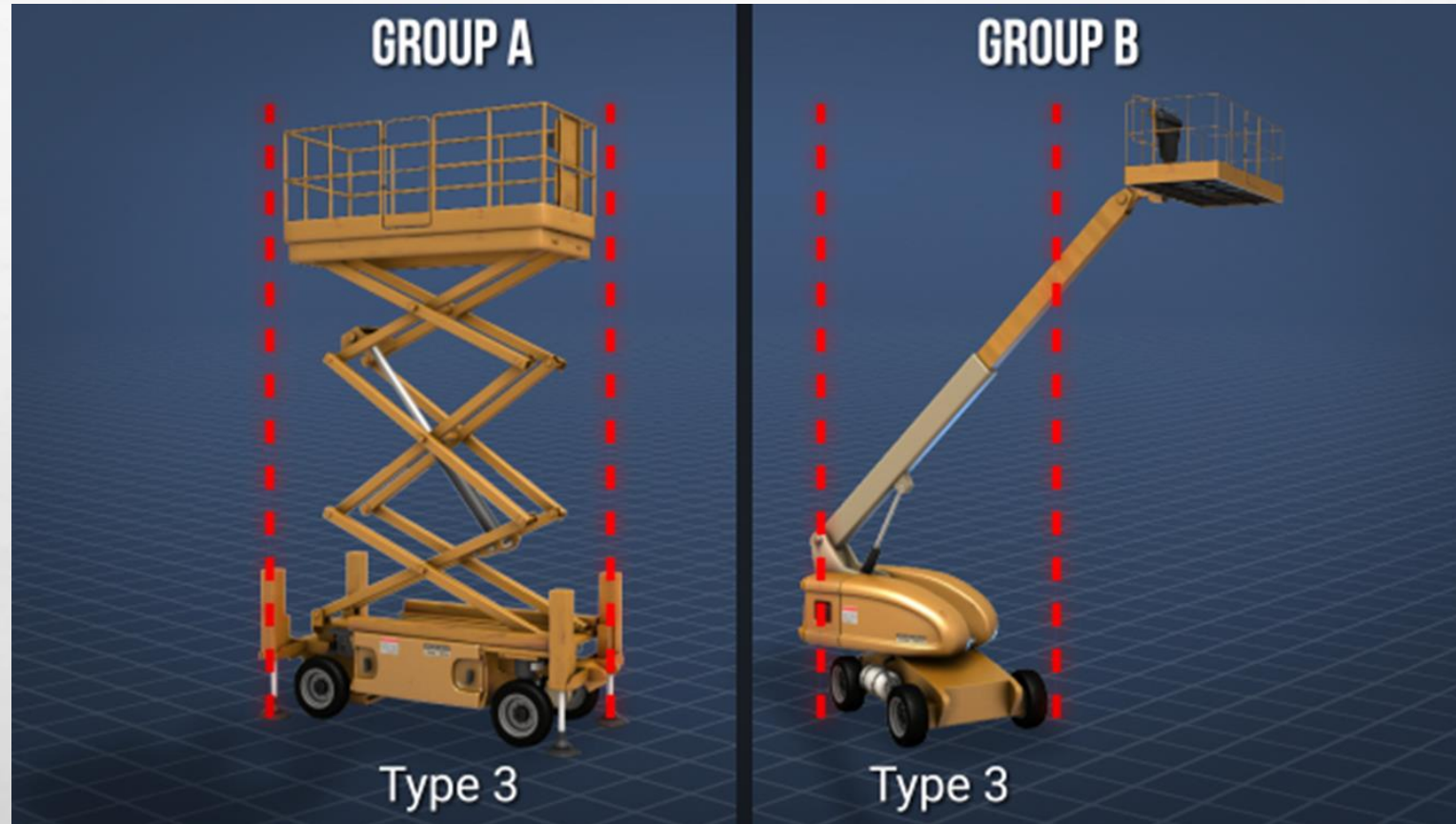


ANSI A92 EQUIPMENT CATEGORIZATION

MEWP GROUP CLASSIFICATIONS

- **GROUP A.**
 - MOVES VERTICALLY BUT WITHIN THE TIPPING LINES
 - SUCH AS THE “SCISSOR LIFT”
- **GROUP B.**
 - CAN MOVE BEYOND THE TIPPING LINES, WHETHER ITS THE OUTRIGGERS OR WHEELS
 - SUCH AS THE “BOOM TYPE LIFT”




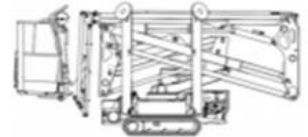
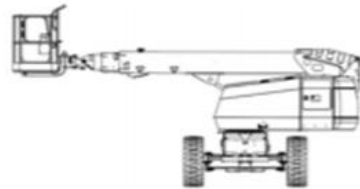
ANSI A92 TIPPING LINES



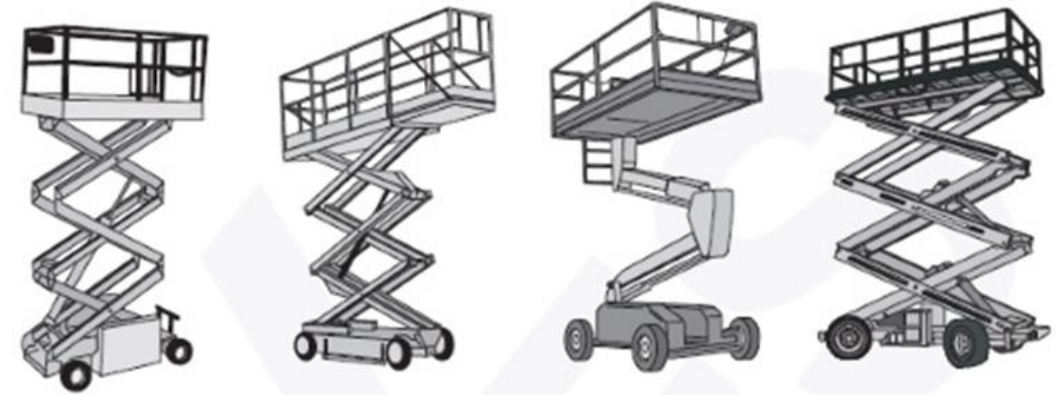
ANSI A92 EQUIPMENT CATEGORIZATION

MEWP TYPE CLASSIFICATIONS:

- **TYPE 1: THE EQUIPMENT CAN ONLY BE DRIVEN WITH THE PLATFORM IN ITS STOWED POSITION**
- **TYPE 2: THE EQUIPMENT CAN BE DRIVEN ELEVATED BUT IS CONTROLLED FROM THE CHASSIS**
- **TYPE 3: THE EQUIPMENT CAN BE DRIVEN ELEVATED, CONTROLLED FROM THE WORK PLATFORM.**

<ul style="list-style-type: none"> A92.2 	
<ul style="list-style-type: none"> Type 1, Group A 	
<ul style="list-style-type: none"> Type 3, Group A 	
<ul style="list-style-type: none"> Type 1, Group B 	
<ul style="list-style-type: none"> Type 3, Group B 	

Type 3, Group A



Type 3, Group B



ANSI A92 Groups & Types

ANSI-A92.22 SAFE USE ELEMENTS

APPLIES TO ALL MEWP USERS, INCLUDES;



- **FULL-TIME OWNERS**
- **COMPANIES WHO OCCASIONALLY RENT MEWP EQUIPMENT**
- **DEVELOPING A RISK ASSESSMENT AND SITE SAFETY PLAN IS A MUST**
- **INFORMING THE OPERATORS OF LOCAL SITE REQUIREMENTS INCLUDING IDENTIFYING HAZARDS AND CONTROLS.**
- **THE PLAN MUST BE DOCUMENTED AND SHARED WITH EVERYONE ON THE WORK SITE.**
- **SAFETY OF PERSONS NOT INVOLVED IN THE OPERATION OF THE MEWP**
- **PREVENTION OF UNAUTHORIZED USE OF THE MEWP.**

ANSI-A92

RISK ASSESSMENT

AN EFFECTIVE RISK ASSESSMENT AND SAFETY PLAN SHOULD/SHALL:

- **INCLUDE A DESCRIPTION OF THE JOB, LOCATION AND TIME FRAME**
- **IDENTIFY RISKS RELATED TO USING THE MEWP OR OTHER EQUIPMENT, AND ANY HAZARDOUS MATERIALS**
 - **SURFACE CONDITIONS, OVERHEAD OBSTRUCTIONS, UTILITY LINE, ETC.**
- **LIST WHICH WORKERS HAVE RECEIVED TRAINING**
- **INCLUDES MEASURES TO PREVENT UNAUTHORIZED USE OF A MEWP**



ANSI-A92

RISK ASSESSMENT

- **DESCRIBE SAFE WORK PROCEDURES AND SAFETY MEASURES**
- **INCLUDE A RESCUE PLAN FOR WORKERS IN THE EVENT OF A FALL OR IF THE MEWP BREAKS DOWN**
- **SHALL BE COMPLETED BEFORE WORK BEGINS**
- **USED TO SELECT THE BEST MEWP FOR THE JOB**
- **SHARED WITH EVERYONE ON THE WORK SITE**
 - **BEST PRACTICE- WRITTEN DOCUMENTATION**



How to Perform a Site Risk Assessment*

01 Define the work.

- Task: What specific tasks do you need to do to complete the job?
- Location: Where will you be working? Will you need to transport machines?
- Timing: When does the work need to be finished? Are there times of day you can't work?

02 Select a MEWP.



- Boom Lift
- Scissor Lift
- Vertical Lift

03 Evaluate risks.

- MEWP-related: Working at height, staying within rated capacity
- Job-specific: Avoiding power lines, accessing hard-to-reach areas
- Additional: Keeping workers on the ground safe, preventing unauthorized use of equipment

04 Identify controls.

- Safe work procedures: Use correct PPE, ensure understanding of fall arrest systems
- Proper training: For operators, occupants, supervisors and maintenance personnel
- Smart scheduling: Organize the work in ways that minimize exposure to hazards
- Rescue planning: May include self-rescue, assisted rescue and/or technical rescue

05 Communicate.

- Operator is trained and authorized to operate the MEWP
- Occupant has basic knowledge of MEWP use and safety
- Supervisor monitors use of MEWP to ensure safety plan is followed
- Technician performs MEWP maintenance in line with manufacturer's requirements

*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

Risk Assessment Overview

ANSI A92 RESCUE PLANNING

RESCUE PLANNING IS ONE OF THE NEW STANDARDS.

A RESCUE PLAN IN GREATER DETAIL

MUST INCLUDE THE FOLLOWING STEPS THAT ARE TO BE TAKEN:

- **AFTER A FALL, WHAT ACTIONS TO BE TAKEN**
- **TIP-OVER RESPONSE**
- **IF THE PLATFORM BECOMES ENTANGLED, WHAT PROCEDURES TO BE TAKEN**
- **OPERATOR & OCCUPANT REMOVAL**
- **UNTANGLE EQUIPMENT**
- **IF THE MACHINE FAILS TO OPERATE,**
- **WHAT PROCEDURES TO REMOVE OR LOWER PERSONNEL SAFELY**



OSHA RESCUE CONSIDERATIONS

APPENDIX C TO SUBPART I OF PART CFR1910 {1910.140(C)(21)}

- **WHEN PERSONAL FALL ARREST SYSTEMS ARE USED, SPECIAL CONSIDERATION MUST BE GIVEN TO RESCUING AN EMPLOYEE PROMPTLY SHOULD A FALL OCCUR.**
- **THE AVAILABILITY OF RESCUE PERSONNEL, LADDERS, OR OTHER RESCUE EQUIPMENT NEEDS TO BE EVALUATED SINCE THERE MAY BE INSTANCES IN WHICH EMPLOYEES CANNOT SELF-RESCUE (E.G., EMPLOYEE UNCONSCIOUS OR SERIOUSLY INJURED).**
- **IN SOME SITUATIONS, EQUIPMENT ALLOWING EMPLOYEES TO RESCUE THEMSELVES AFTER THE FALL HAS BEEN ARRESTED MAY BE DESIRABLE, SUCH AS DEVICES THAT HAVE DESCENT CAPABILITY.**



ANSI-A92 RESCUE PLANNING

- **THE PLAN MUST BE WRITTEN DOWN,**
- **SUGGESTED TO BE ADDED TO THE COMPANY TRAINING & SAFETY MANUALS**
- **SHARED WITH ALL WORKERS ON THE JOB SITE.**
- **ANYONE WORKING IN OR AROUND THE MEWP MUST RECEIVE TRAINING ON;**
 - **WHAT TO DO IF THEY SEE SOMEONE FALL FROM A MEWP,**
 - **OR IF THEY THEMSELVES FALL.**
- **THE PLAN MUST SET A TIME LIMIT FOR HOW LONG A PROPERLY-RESTRAINED WORKER CAN HANG SUSPEND IN THE AIR (SUSPENSION TRAUMA);**
- **THE RESCUE PLAN CAN INCLUDE OPTIONS FOR;**
 - **SELF-RESCUE, OR**
 - **ASSISTED RESCUE, OR**
 - **TECHNICAL RESCUE (EMERGENCY SERVICES).**



ANSI-A92 TRAINING

ANSI STANDARD A92.24 – TRAINING

- **DOCUMENTED TRAINING REMAINS MANDATORY FOR MEWP EQUIPMENT OPERATORS.**
- **THE NEW STANDARD NOW REQUIRES TRAINING FOR OCCUPANTS, GROUND CREW AND SUPERVISORS.**
- **WHO ARE OCCUPANTS?**
 - **AN OCCUPANT IS ANYONE IN THE MEWP PLATFORM WHO IS NOT AN OPERATOR.**
- **NEW STANDARDS,**
 - **OCCUPANTS MUST RECEIVE TRAINING ON FALL PROTECTION SYSTEMS**
 - **WHAT TO DO IF THE OPERATOR CAN NO LONGER OPERATE THE LIFT.**
 - **GROUND PERSONNEL TRAINING**



ANSI-A92 TRAINING

- **THE OPERATOR IS RESPONSIBLE FOR ENSURING EVERY OCCUPANT IN THE PLATFORM KNOWS HOW TO WORK SAFELY ON THE MEWP.**
- **ALSO, TO OPERATE,**
 - **THERE MUST BE SOMEONE ON THE GROUND WHO CAN ACT AS THE OPERATOR AND RETURN ELEVATED WORKERS TO THE GROUND IN THE EVENT OF AN UNEXPECTED MALFUNCTION OR AN EMERGENCY.**
- **GROUND PERSONNEL TO NOTIFY EMERGENCY SERVICES**
- **NO LONE OPERATOR PERMITTED**



ANSI-A92 OPERATOR TRAINING



CHANGES TO ANSI TRAINING STANDARDS FOR AERIAL LIFT/ MEWP OPERATORS

- **AERIAL LIFT / MEWP OPERATORS ARE STILL REQUIRED TO HAVE DOCUMENTED TRAINING**
 - **OSHA REQUIRES ALL LIFT OPERATORS BE RECERTIFIED EVERY THREE YEARS. (MINIMUM)**
- **A CERTIFICATE OF COMPLETION OR CERTIFICATION CARD SHALL BE ISSUED**

WHAT'S NEW UNDER THE NEW STANDARDS:

- **OPERATORS, OCCUPANTS & SUPERVISORS ARE ALL RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ANY MEWP EQUIPMENT ASSIGNED THEY ARE NOT FAMILIAR WITH INCLUDING:**
 - **INCLUDES READING THE OPERATOR MANUAL**

ANSI A92 OPERATOR TRAINING CONT.

- **DOING A WALK-AROUND INSPECTION AS PER OPERATING MANUAL**
- **FAMILIARIZING THEMSELVES WITH THE CONTROLS & SAFETY FEATURES**
 - **CONTROLS SHALL BE LABELED**
- **UNDERSTANDING ANY LIMITATIONS OF THE EQUIPMENT**
 - **WEIGHT OF EQUIPMENT**
 - **WIND LIMITATIONS**
 - **REACH CAPABILITIES**
 - **HEIGHT CAPABILITIES**
 - **SURFACE CONDITIONS AND WEIGHT RESTRICTION**
- **RENTAL EQUIPMENT**
 - **RENTAL COMPANY SHALL PROVIDE TRAINING AND FAMILIARIZATION TO ANYONE WHO RENTS, LEASES OR BUYS AN AERIAL LIFT**
 - **OWNER RENTER SHOULD REQUEST TRAINING AS WELL**



ANSI-A92 SUPERVISOR TRAINING

ANSI SUPERVISOR TRAINING REQUIREMENTS

- **ACCORDING TO ANSI A92.24,**
 - **A SUPERVISOR IS THE ENTITY ASSIGNED BY THE OWNER/RENTER TO MONITOR OPERATORS' PERFORMANCE AND SUPERVISE THEIR WORK.**
- **SUPERVISOR BY ANSI**
 - **SOMEONE WHO DIRECTLY SUPERVISES ONE OR MORE MEWP OPERATORS**
 - **ANYONE WHO FITS THIS DESCRIPTION IS NOW REQUIRED TO HAVE MEWP / AERIAL LIFT SAFETY TRAINING.**



ANSI A92 SUPERVISOR TRAINING



SUPERVISOR TRAINING REQUIREMENTS;

- **ENABLES SUPERVISORS TO IMPROVE SAFETY PERFORMANCE, REDUCE RISKS AND LIABILITY BY UNDERSTANDING:**
 - **WHAT TYPE OF MEWP IS APPROPRIATE FOR THE JOB**
 - **THE RULES, REGULATIONS AND STANDARDS THAT APPLY TO MEWPS AS DEFINED IN ANSI A92.22 INCLUDING THE SAFETY PROCEDURES DEFINED IN THE RISK ASSESSMENT**
 - **THE HAZARDS ASSOCIATED WITH MEWP'S AND HOW TO PREVENT ACCIDENTS**
 - **ENSURING THE OPERATOR MANUAL IS SAFELY STORED, EASILY ACCESSIBLE AND USED FOR INSPECTIONS.**
 - **CONFIRM MAINTENANCE TECHNICIANS ARE TRAINED TO INSPECT AND SERVICE THE MEWP ACCORDING TO MANUFACTURER'S RECOMMENDATIONS**
 - **THIS RESPONSIBILITY MAY BE SHARED DEPENDENT UPON THE ORGANIZATION**

ANSI A92

TRAINING

TRAINING FOR MAINTENANCE AND REPAIR PERSONNEL;

- MAINTENANCE PERSONNEL MUST CONDUCT ANNUAL INSPECTIONS IN ADDITION TO EVALUATING ANY MEWP PUT INTO USE AFTER BEING OUT OF SERVICE FOR THREE MONTHS OR MORE.
- MAINTENANCE PERSONNEL MUST ALSO BE TRAINED ON ANY NEW FEATURES LOAD SUCH AS THE;
 - LOAD SENSING LIMIT ALARM,
 - TILT SENSOR-OUT OF LEVEL;
 - WIND SPEED SENSOR-30MPH RULE



ANSI-A92 EQUIPMENT DESIGN STANDARDS REVISIONS

- **PLATFORM LOAD SENSE (OVERLOAD SYSTEM OR LOAD SENSE SYSTEM)**
- **ALL MEWPS WILL BE REQUIRED TO CONTINUOUSLY CHECK THE WEIGHT IN THE PLATFORM AND DISABLE CERTAIN FUNCTIONS IF THE LOAD IS ABOVE THE PLATFORM LOAD LIMIT.**
- **DYNAMIC TERRAIN SENSING (SLOPING)**
- **DRIVE AND CERTAIN BOOM FUNCTIONS MUST BE DISABLED WHEN OUT OF THEIR SLOPE LIMIT AND FUNCTIONS RESTRICTED ONLY TO THOSE THAT SAFELY RETURN THE MACHINE TO TERRAIN THAT IS WITHIN LIMITS.**
- **INDOOR-ONLY MACHINES**
 - **ALLOWS FOR THE DEVELOPMENT OF SMALLER, LIGHTER-WEIGHT MEWPS BEARING AN “INDOOR ONLY” RATING BECAUSE THESE MEWPS CANNOT BE USED IN WINDY CONDITIONS.**
- **TOE GUARDS ON WORK PLATFORM ENTRANCES.**
- **PROHIBITED USE OF CHAIN GATES AND FLEXIBLE GATES.**
- **REDUCED LIFT AND LOWER SPEEDS ON SOME MODELS.**



UNWANTED MEWP EVENTS

**THE FOLLOWING ARE THE HIGHLIGHTS OF A
FEW INCIDENTS I WAS INVOLVED WITH THEIR
INVESTIGATIONS**



UNWANTED MEWP EVENTS

- **FATALITY**

- **UNION PAINTER SWUNG BOOM 180 DEGREES FROM CRADLED POSITION, INSTEAD OF BOOMING IN AND OUT OF WORK AREA, EMPLOYEE APPARENTLY DROVE INTO A STEEL STAIR TOWER AND WAS CRUSHED TO DEATH**
- **UNKNOWN AS TO EMPLOYEE'S ACTIONS OF EITHER MOVING OUT OR INTO THE WORK AREA**
- **EMPLOYEE WAS WEARING HALF FACE RESPIRATOR**
- **EMPLOYEE WORKING LATE SHIFT**
- **EMPLOYEE WAS A LONE WORKER AND NOT SUPERVISED AT THE TIME**
- **EMPLOYEE WAS TRAINED ON MEWP, BUT NOT THE SPECIFIC EQUIPMENT HE WAS USING**
- **OTHER WORKERS RETURNING FROM LUNCH BREAK NOTICED PAINTER NOT MOVING AND ATTEMPTED RESCUE**

UNWANTED MEWP EVENTS

SEVERE INJURY

- **UNION IRON WORKER WAS TASKED WITH BOLTING STEEL STRUCTURE TOGETHER**
- **AS EMPLOYEE WAS MANEUVERING BETWEEN STEEL STRUCTURAL MEMBERS HIS HAND WAS POSITIONED ON THE TOP RAILING FOR STABILITY**
- **EMPLOYEE ATTEMPTED TO BOOM OUT RAISING BASKET AND HIS FINGERS WERE CAUGHT IN BETWEEN RAILING AND STEEL BEAM CAUSING PARTIAL AMPUTATION OF 2 FINGERS AND FRACTURES OF 2 OTHER FINGERS**

UNWANTED MEWP EVENTS

SEVERE INJURY

- UNION CARPENTERS WERE CONSTRUCTING CONCRETE FORMS IN A MEWP BOOM LIFT
- CARPENTERS WERE TRAINED IN MEWP
- UNDER THE OPERATING MEWP, BRICKLAYERS WERE CONSTRUCTING A BLOCK WALL
- THE MEWP OPERATOR LOWERED THE BOOM AND WAS NOT AWARE OF THE BRICKLAYER'S POSITION AND STRUCK EMPLOYEE ON THE TOP OF HIS HEAD CAUSING AN INJURY
- BRICKLAYER WAS WEARING REQUIRED HEAD PROTECTION BUT SUSTAINED NECK INJURY

UNWANTED MEWP EVENTS

SEVERE INJURY

- UNION ELECTRICIAN WAS OPERATING SCISSOR LIFT WITHIN A CLOSED BUILDING
- STATES HE WAS UP AND DOWN THROUGHOUT THE WORKDAY
- HIS NEXT TIME AFTER REPOSITIONING, HE ELEVATED THE LIFT AND CONTACTED END OF TREADED ROD WITH HIS HEAD
- THE THREADED ROD PIERCED THE HEAD PROTECTION AND SLIGHTLY FRACTURED HIS SKULL

UNWANTED MEWP EVENTS

MINOR INJURY

- UNION LABORER FORMAN WAS ASKED TO MOVE A SCISSOR LIFT TO A PARALLEL TRAIN PLATFORM
- THE FORMAN CONSTRUCTED A BRIDGE USING SCAFFOLDING PLANKING
- AS THE LIFT WAS MOVING ACROSS THE SCAFFOLD PLANKING, THE PLANKING COLLAPSED FALLING 4 FEET
- OPERATOR RECEIVED MINOR CONTUSIONS
- PLANKING WAS NOT DESIGNED FOR PURPOSE OR WEIGHT SUSTAINED

UNWANTED MEWP EVENTS

MINOR INJURY

- UNION ELECTRICIAN WAS TASKED TO UNLOAD SCISSOR LIFT FROM DELIVERY TRAILER THAT WAS DELIVERED TO JOB SITE
- WHILE MOVING EQUIPMENT OFF TRAILER, LIFT TIPPED OVER
- EMPLOYEE SUSTAIN CONTUSIONS
- LOCATION OF TRAILER POSITION WAS NOT LEVEL, SIGNIFICANT SLOPE
- SURFACE WAS CONCRETE
- EMPLOYEE WAS NOT SUFFICIENTLY TRAINED BY CONTRACTOR

UNWANTED MEWP EVENTS

PROPERTY DAMAGE

- UNION ELECTRICIAN WAS PRACTICING USING A RECENTLY DELIVERED MEWP BOOM LIFT
- EMPLOYEE HAD NOT YET RECEIVED APPROPRIATE TRAINING FOR THAT EQUIPMENT
- AFTER PRACTICING FOR A PERIOD OF TIME, HE LOWERED THE BOOM AND THE BASKET CRUSHED A PORT-A-JOHN AND STRUCK A CONTRACTOR VEHICLE
- THE PORT-A-JOHN WAS UNOCCUPIED AT THE TIME OF INCIDENT



ANSI A92

SUMMARY

- **REVISING THE STANDARD FACILITATES DEVELOPING AN INCREASED AND EFFECTIVE SAFE USE PROGRAM THAT COMPLIES WITH NEW REQUIREMENTS.**
- **EMPHASIZES THE IMPORTANCE OF PERFORMING A SITE RISK ASSESSMENT BEFORE STARTING A JOB.**
- **THIS ASSESSMENT SHALL:**
 - **DEFINE THE TASK, LOCATION AND TIMING OF THE WORK**
 - **MEWP SELECTION**
 - **EVALUATE MEWP-RELATED, JOB-SPECIFIC AND ADDITIONAL RISKS**
 - **IDENTIFY CONTROLS;**
 - **ENSURES PROPER TRAINING**
 - **IMPLEMENT RESCUE PLANNING**

ANSI-A92 SUMMARY CONT.

- **ONCE THE SAFETY PLAN HAS BEEN DEVELOPED, IT SHALL BE SHARED WITH EVERYONE WHO WILL BE ON SITE DURING THE WORK.**
- **THE UPDATED STANDARDS OUTLINE THE NEW REQUIREMENTS FOR MANY ROLES AS THEY RELATE TO A SAFE USE PROGRAM.**
- **OPERATOR: IS TRAINED AND AUTHORIZED TO OPERATE THE MEWP**
- **OCCUPANT: HAS KNOWLEDGE OF MEWP USE AND SAFETY, INCLUDING FALL PROTECTION SYSTEMS**
- **SUPERVISOR: MONITORS USE OF MEWP TO ENSURE SAFETY PLAN IS FOLLOWED**
- **TECHNICIAN: PERFORMS MEWP MAINTENANCE IN LINE WITH MANUFACTURER'S REQUIREMENTS**
- **EQUIPMENT SAFEGUARDS & DESIGNS ENHANCED**

ANSI-A92.2 VEHICLE MOUNTED

PLEASE NOTE:

- AS AUGUST 2022, ANSI RELEASED IT'S UPDATED A.92.2; VEHICLE MOUNTED ELEVATING WORK PLATFORMS
- SIMILAR HAZARDS-SIMILAR CHANGES

QUESTIONS



THANK YOU FOR PARTICIPATING

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