SCAFFOLD & ACCESS INDUSTRY ASSOCIATION

MANUAL OF RESPONSIBILITIES

for Manufacturers, Dealers, Owners, Users, Supervisors, Operators, Uccupants, Lessors, Lessees and Brokers of

ANSI/SAIA A92.22 Safe Use &

ANSI/SAIA A92.24 Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of

Mobile Elevating Work Platforms (MEWP)



operation of MEWPs could result in DEATH OR SERIOUS INJURY. FAILURE TO COMPLY with your REQUIRED RESPONSIBILITIES in the use and

You are required by ANSI/SAIA A92.22-2018 and ANSI/SAIA A92.24-2018 to read and understand YOUR RESPONSIBILITIES before you use or operate this Mobile Elevating Work Platform (MEWP).

The operation of any aerial device is subject to certain HAZARDS that can be protected against only by the exercise of INTELLIGENCE, CARE, AND COMMON SENSE. It is essential to have COMPETENT, CAREFUL PERSONNEL, TRAINED in THE INTENDED USE, SAFE OPERATION, MAINTENANCE AND SERVICE of this type of equipment.

The USER and OPERATOR MUST MAKE DECISIONS on the maintenance, use, and operation of the MEWP with due consideration for the fact that the SAFETY OF THE OPERATION AND OTHER PERSONNEL is dependent on those decisions. FAILURE TO COMPLY with your REQUIRED RESPONSIBILITIES in the use and operation of the MEWP could result in DEATH OR SERIOUS INJURY.

Refer to the manufacturer's operation and safety manual for INFORMATION ON SAFE USE AND OPERATION OF THE AERIAL DEVICE.

> The person responsible for Design, Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs) should obtain a copy of the ANSI/SAIA A92.20-2018 Standard from the Scaffold & Access Industry Association at 400 Admiral Blvd. Kansas City, MO 64106

The ANSI/SAIA A92.22-2018 Safe Use of MEWPs and ANSI/SAIA A92.24-2018 Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of MEWPs became effective December 2019. This Manual incorporates sections from those standards as follows:



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Definitions.	
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6	

A92.22 Safe Use of Mobile Elevating Work Platforms (MEWP)

4. General Requirements 9 4.1 Basic Principles 9 4.2 Safe Use Planning 9 4.3 Manuals 10 4.4 Record Retention 10 4.5 Modifications 10 5.1 Scheduled Maintenance 10 5.2 Pre-delivery Inspection and Repair 10 5.3 Frequent Inspection 11 5.4 Annual Inspection 11 5.5 Pre-start Inspection 12 5.6 Maintenance and Repair Training 12 5.7 Maintenance and Repair Safety 12 5.8 Replacement Parts 12
--

6.8.3 Ground Condition Considerations .17
6.8.2.4 Use in Thunderstorms 17
6.8.2.3 Local Wind Effects17
6.8.2.2 Effect of Wind on Equipment in the Work Platform17
6.8.2.1 Effect of Wind Forces on MEWPs17
6.8.2 Weather Considerations17
6.8.1 Fall Protection17
6.8 Specific Requirements of Operation17
6.7 Understanding of Hazardous Atmosphere Locations
6.6 Prior to Each Operation16
6.5 Work Place Inspection16
6.4 Before Operation16
6.3 Assistance to Operators15
6.2.5 Familiarization15
6.2.4 Retraining15
6.2.3 Supervisor Training15
6.2.2 Occupant Knowledge14
6.2.1 Operator Qualification and Training14
6.2 MEWP Personnel Qualifications and Training Requirements
6.1.2.7 Communicate the Results14
6.1.2.6 Rescue from Height13
6.1.2.5 Identify Safe Work Procedures . 13
6.1.2.4 Identify Control Measures13
6.1.2.3 Assess the Risks Associated with the Task

6.8.18 Entanglement 20
6.8.17 Hazardous Location Operation and/or Hazardous Atmospheres. 20
6.8.16 Reporting Potentially Hazardous Locations and/or Hazardous Atmospheres
6.8.15 Reporting Problem(s) or Malfunction(s)
6.8.14 Precautions for Other Moving Equipment
6.8.13 Footing for Personnel19
6.8.12 Electrical Hazards19
6.8.11 Work Platform Materials19
6.8.10.3 While Working at Height 19
6.8.10.2 Moving or Traveling19
6.8.10.1 Before Moving the Work Platform or MEWP18
6.8.10 MEWP Travelling18
6.8.9 Maintaining Overhead Clearance18
6.8.8 Distribution of Load18
6.8.7 Guardrail System18
6.8.6 Deployment of Stability- enhancing Means18
6.8.5 Slope and Grade18
6.8.4 Public Roads18
6.8.3.3 Sub-surface Voids18
6.8.3.2 Inadequate Outrigger Foundations
6.8.3.1 General

6.1.2.2 Select an Appropriate MEWP .13

MANUAL OF RESPONSIBILITIES

S

	7. Transport
	6.8.39 Parking of the MEWP 22
	6.8.38 Moving Overhead Obstructions. 22
	6.8.37 Misuse as a Jack
	6.8.36 Allowable Rated Forces
7.	6.8.35 Carrying Materials Outside the Work Platform
	6.8.34 Safe Carrying of Materials
	6.8.33 Exiting (or Entering) a MEWP at Height
	6.8.32 Snagged Platform
	6.8.31 Altering and Disabling21
	6.8.30 Unauthorized Use
	6.8.29 Stunt Driving
	6.8.28 Unusual Operating Support
9	6.8.27 Climbing the Extending Structure
ת	6.8.26 Use of MEWP for Grounding 20
	6.8.25 Misuse as a Crane
ហ	6.8.24 Improper MEWP Stabilization 20
4	6.8.23 Battery Charging
m	6.8.22 Fuelling
	6.8.21 Ventilation
±	6.8.20 Work Area
⊳	6.8.19 Load Transfer

m ⊣ ⊈ >	A92.24 Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Platforms (MEWP)	
4	. Safe Use of the MEWP 23	S
ហ	Requirements for Training, Familiarization and Authorizing Operators	3
6	. Responsibility for Training and Familiarization	S
	6.1 General	3
	6.2 Manufacturer 2:	S
	6.3 Dealer and Owner 2:	S
	6.4 User	S
	6.5 Supervisor	S
	6.6 Operator	S
	6.7 Occupant	4
	6.8 Familiarization	4
	6.9 Retraining	4
7.	Training Content	4
	7.1 General	4
	7.2 Contents of Theory (Classroom/Online) Training	4
	7.3 Contents of Practical (Hands-On) Training	G
	7.4 Occupant Knowledge 2!	S
	7.5 Supervisor Training	σ
00	Administration of Training	σ
	8.1 Trainers	σ
	8.2 Curriculum	5

8.6	8.5	8.4	8.3
8.6 Record Retention	8.5 Personal Documentation of Training 26	8.4 Testing	8.3 Training Environment

Examples **Mobile Elevating Work Platform**

Examples of Type 3, Group A MEWPs 30	Examples of Type 2, Group B MEWPs 29	Examples of Type 2, Group A MEWPs 29	Examples of Type 1, Group B MEWPs 28	Examples of Type 1, Group A MEWPs 28	
	Examples of Type 3, Group A MEWPs 30	Examples of Type 2, Group B MEWPs 29 Examples of Type 3, Group A MEWPs 30	Examples of Type 2, Group A MEWPs 29 Examples of Type 2, Group B MEWPs 29 Examples of Type 3, Group A MEWPs 30	Examples of Type 1, Group B MEWPs 28 Examples of Type 2, Group A MEWPs 29 Examples of Type 2, Group B MEWPs 29 Examples of Type 3, Group A MEWPs 30	Examples of Type 1, Group A MEWPs 28 Examples of Type 1, Group B MEWPs 28 Examples of Type 2, Group A MEWPs 29 Examples of Type 2, Group B MEWPs 29 Examples of Type 3, Group A MEWPs 30

Aerial device: Any device, extensible, articulating or both, which is primarily designed and used to position	rticulating or sed to position	application, use, inspection, maintenance of an MEWP, and compliance with all applicable provisions of this	Examiner: A qualified person who evaluates or tests the competency of the trainee.
personnel, designed to the ANSI/SAIA A92.20 standard.	A92.20	standard. Control(s): A device actuated by an operator to affect	Extending structure: Structure which is connected to the chassis and supports the work platform and which
Note: This device can also be used to handle material,	andle material,	a response from the MEWP.	allows movement of the work platform to its required
if designed and equipped for that purpose.	ose.	Note: Examples of controls include interlocks, MEWP	position.
Anchorage(s): A designated point of attachment	tachment	controls or powered functions.	Fall arrest system: Personal fall protection system
utilized with a personal fall protection system	ystem.	Custody: Possession by ownership, purchase,	designed to arrest the fall of a worker.
Authority having jurisdiction: A federal, provincial,	II, provincial,	acquisition, rental, lease, or other means of transfer	Fall restraint system: Protection system that restrains
territory or municipal ministry, department, board,	ent, board,	which requires the exercise of care and control,	or prevents a worker from being exposed to a fall.
agency, or commission that has responsibility for	sibility for	as defined in this standard, for the health, welfare,	Familiarization: Providing the necessary information
or services within its iurisdiction	ts, materials,	maintenance, and protection of personnel and the	regarding the features, functions, devices, limitations
Authorized personnel (authorized person):	ion):	Dealer: An entity who buys, rents or leases from a	and operating characteristics as defined by the manufacturer in the operator's manual, in order to
Personnel approved or assigned by the user to	user to	manufacturer or distributor and who generally sells,	properly utilize a specific model MEWP, to include the
perform a specific type of duty or duties at a specific	s at a specific	rents and services MEWPs.	location of the manufacturer's operation manuals.
location or locations at a work site.		Note: A manufacturer, owner, user, operator, lessor,	Group A: MEWPs on which the vertical projection
Broker: An entity that arranges a lease or transfer of	or transfer of	lessee, or broker is considered to be and assumes the	of the center of the platform area, in all platform
If the entity is an employee of the buyer, seller, lessor	; seller, lessor	in the capacity of this definition.	specified by the manufacturer, is always inside the
or lessee of the MEWP, this entity is not considered a	considered a	Delivery: Transfer of care, control and custody of the	tipping lines.
broker.		MEWP from one person or entity to another person	Group B: MEWPs not in Group A.
Note: A manufacturer, dealer, owner, user, operator, lessor, or lessee is considered to be and assumes the	er, operator, assumes the	or entity. Elevated travel position: Configuration of the MFWP	Guardrail system: A vertical barrier primarily intended to protect personnel from falling to lower levels.
responsibilities of a broker when that entity is acting in the capacity of this definition.	ntity is acting	for travel outside of the lowered travel position.	Hazardous atmosphere: Any location that contains,
Care: To provide what is both necessary and required for the health, welfare, maintenance, and protection of	and required	Elevating assembly: The work platform and the extending structure.	or has the potential to contain, an explosive or flammable atmosphere as defined in ANSI/NFPA 505.
personnel and the MEWP.	-	Entity: An individual or company that has its own	Lessee: An entity to whom a MEWP is provided by
Chassis: Part of the MEWP that provides support for mobility of the elevating assembly.	s support for	set of responsibilities pertaining to MEWP design, safe-use and training, and may include manufacturers,	lease, rental, loan or other arrangement. Note: A manufacturer, dealer, owner, user, operator,
Configuration: An allowable operating set up specific	et up specific	occupants, lessors, lessees, and brokers.	lessor, or broker is considered to be and assumes the responsibilities of a lessee when that entity is acting
to the MEWP.		Examination/re-examination: Evaluating or testing	in the capacity of this definition.
Control: By virtue of possession through custody,	n custody,	proficiency and retention of the subject matter	
as defined in this standard, the required use of	use of	covered in the training/retraining of the MEWP	
power, influence, and authority to behave and/or to	e and/or to	operator	
difect the bendvlor of those who are involved in the			

Lessor: An entity who leases, rents, loans or otherwise	Occupant: An entity on the work platform.	Rated horizontal force: The maximum horizontal
provides a MEWP to another party for the beneficial use of that party.	Operation manuals: Manuals provided by the MEWP	as specified by the manufacturer.
Note: A manufacturer, dealer, owner, user, operator,	the MEWP in a weather resistant storage location	Repair: The act of restoring to good condition that
lessee, or broker is considered to be and assumes the	intended to be an integral part of the MEWP.	which has been broken, damaged or worn due to use,
responsibilities of a lessor when that entity is acting in	Operator: An entity qualified to control the	abuse or other reasons.
the capacity of this definition.	movement of a MEWP.	Retraining: Required instruction based on the user's
Load sensing system: System of monitoring designated loads (by the design standard) on the	Note: A manufacturer, dealer, owner, user, lessor, lessee or broker is considered to be and assumes	observations or evaluations to maintain a previously trained person's status as a qualified operator.
work platform.	the responsibilities of an operator when that entity is	Safety related bulletin: Publication from the
Lowered travel position: Configuration(s) of the MEWP as defined by the manufacturer for travel at	A manual acting in the capacity of this definition.	manufacturer of the MEWP that requires attention to ensure safe operation of the MEWP that identifies and
maximum travel speed.	Operator's manual: A manual provided by the manufacturer and intended to be a part of the MEWP.	provides resolution to a safety-related issue.
Lowering: Operations to move the work platform to a lower level.	Note: The manual includes information to allow for	Shall: The word "shall" is to be understood as being mandatory.
Maintenance: The act of upkeep such as inspection,	Oscillating axle: Supporting structure which	Should: The use of the word "should" is to be
scheduled part(s) replacement.	allows mainly vertical movement of the end wheel assemblies independently or in relation to each other.	as "recommended."
Manual of Responsibilities: A document containing definitions and requirements mandated in applicable A92 Standards for the following entities:	Outriggers: Devices at the chassis that increase the stability of the MEWP and that are capable of lifting and levelling the MEWP.	Stability: A condition in which the sum of the moments which tend to overturn the MEWP is less than the sum of the moments tending to resist
Manufacturers, Dealers, Owners, Osers, Supervisors, Operators, Occupants, Lessors, Lessees and Brokers.	Owner: An entity who has possession of the MEWP	Stabilizers: Devices that increase the stability of the
Manufacturer: An entity who makes, builds, or produces a MEWP.	by virtue of purchase of legal possession of the MEWP	MEWP but are not capable of lifting or levelling the MEWP.
Note: A dealer, owner, user, operator, lessor, lessee or broker is considered to be and assumes the	Note: A manufacturer, dealer, user, operator, lessor, lessee or broker is considered to be and assumes the	Stabilizing device(s): Device(s) that require deployment on a MEWP, such as stabilizers,
responsibilities of a manufacturer when that entity is acting in the capacity of this definition.	responsibilities of an owner when that entity is acting in the capacity of this definition.	outriggers, or extendible axles to meet the stability requirements.
Mobile Elevating Work Platform (MEWP): Machine/	Platform: (See Work platform)	Stowed position: Configuration of the MEWP as
device intended for moving persons, tools and	Qualified person: Person who, by possession of	defined by the manufacturer in which the extending
material to working positions, consisting of at least a work platform with controls, an extending structure	a recognized degree, certificate or professional standing, or by extensive knowledge, training and	structure is lowered and retracted and stabilizers and/ or outriggers are retracted.
and a chassis.	experience, has successfully demonstrated his/her ability to solve or resolve problems related to the	Supervisor: An entity assigned by the user to monitor
the operation, change(s) to a MEAVE that allects the operation, stability, safety factors, rated load, or	subject matter, the work or the project.	Trainer: A qualified person who conducts the training.
salety of the MEWP in any way.		

Training: Instruction to enable the trainee to	Vehicle-mounted MEWP: MEWP whose elevating
performed, including knowledge regarding potential	chassis designed for use on public roads
hazards.	Work platform: Component of the MEWP intended
Travel restraint: A fall protection system consisting of personal protective equipment that prevents a person from reaching a fall hazard.	for carrying personnel along with their necessary tools and materials
Transport: Any movement of the MEWP outside the boundaries of the working site.	1.1.3 MEWP Classifications
Travelling: Any movement of the chassis, except when the MEWP is being transported.	MEWP classifications are made up or a MicWP group (platform location in reference to tipping line) with an associated MEWP type (reference to traveling).
Type 1 MEWP: MEWP for which travelling is allowed only when in the stowed position.	Note: See definitions for Group and Type.
Note: Refer to Section 1.1.3 MEWP Classification for application of groups and types.	
Type 2 MEWP: MEWP for which travelling with the work platform in the elevated travel position is controlled from a point on the chassis.	
Note: Type 2 and type 3 MEWPs can be combined.	
Type 3 MEWP: MEWP for which travelling with the work platform in the elevated travel position is controlled from a point on the work platform.	
Note: Type 2 and type 3 MEWPs can be combined.	
Underbridge MEWP: Type 1 and 2 MEWPs intended to provide access to the sides or beneath a bridge structure and equipped to inspect and maintain bridge structures that can elevate/lower personnel above/below grade.	
User: An entity that has care, custody and control of the MEWP.	
Note: A manufacturer, dealer, owner, operator, lessor, lessee or broker is considered to be and assumes the responsibilities of a user when that entity is acting in the capacity of this definition.	

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Elevating Work Platforms (MEWPs) American National Standard for the Safe Use of Mobile



 4 GENERAL REQUIREMENTS 4.1 Basic principles 4.1 Whenever an entity (a manufacturer, dealer, owner, user, supervisor, operator, occupant, lessor, lessee, or broker) is acting in the capacity of another entity as defined in this standard, they shall assume the responsibilities of that entity. Note: See entity definitions. 	×	INVASION/PROVINCE CONTRACT	×	×	×	×	×	×	×	×	States Westers States	102010020000000000000	The second second	199996000000000000000000000000000000000	Uz site Completence	×	×	×
4.1.1 All entities shall apply the information in this American National Standard, and as applicable, shall be supplemented by good job management, safety control and the application of sound principles of safety, training, inspection, maintenance, application and operation. The parameters of intended use and expected environment shall be considered. Decisions on the use and operation of the MEWP shall be made with consideration for safety of the MEWP occupants and persons in the operating vicinity. The selection, positioning, operation, maintenance and pre-start, pre-delivery, frequent and annual inspections of a MEWP shall be performed by a qualified person in accordance with the manufacturer's requirements, considering the environment and severity of use. All tasks shall be properly planned, appropriately supervised and carried out in a safe manner. Having identified the hazards associated with the use of MEWPs, the qualified person shall evaluate the risks associated with their use and put appropriate control measures in place as identified by the risk assessment.	×	A state where the first of the second s	×	×	×	×	×	×	×	×		Contract the contract and an and a		A DESCRIPTION OF A DESC		×	×	×
When an entity rents, leases, sells or provides for any form of beneficial use, they assume the responsibilities of a dealer.		8663144	increase and		Signalia				NEW S		00000		Sugaration of		asie in			
These basic principles shall be applied as follows: Dealer: Since the dealer offers training and provides MEWPs to users, the basic principles apply in relationship to the maintenance, inspection, and repair of the equipment and when in the training of operators.		×									Assisted States					ent al l	×	
Users: Since the user has direct control over the application and operation of MEWPs, conformance with good safety practices in this area is the responsibility of the user and the operating personnel, including supervisors, operators and occupants.		9486-9690 F.F.	×	×	×	×			02103555		25 menute	×	100000000000	Chernman Strainer.	SERVICE STREET			
Operator: Since the operator is in direct control of the MEWP, conformance with good safety practices in this area is the responsibility of the operator.					×				NO BAR		in in the second		×		1899825			
4.1.2 The operation of any MEWP is subject to potential hazards that can be protected against only by the exercise of care and good judgement, and not by any device. The user shall ensure that personnel are trained, qualified and authorized (see ANSI A92.24 Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Platforms) in the intended use, safe operation, inspection, maintenance and familiarization on different models and classifications of MEWPs.		ang kang padapagana	×		and the second second										×			
 4.2 Safe Use Planning A safe use program specific to MEWPs shall be developed by the user and shall include, but not be limited to the following: a) performing a site risk assessment to identify hazards, evaluate risk, develop control measures and communicate with affected persons (see 6.1); b) selection, provision and use of a suitable MEWP and work equipment associated with it; 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; d) MEWP maintenance including inspection(s) and repairs as required by this standard and by the manufacturer; e) only trained and authorized personnel are allowed to operate and/or occupy the MEWP; f familiarization of authorized MEWP operator(s) with the specific MEWP to be used; g) inform the operator of local site requirements and warn and provide the means to protect against identified hazards in the areas where the MEWP will be operated; h) have trained and qualified supervisor(s) to monitor the performance of the work of the operator to ensure compliance with provisions of this standard; i) safety of persons not involved in the operation of the MEWP; and k) documentation required in clause 4.4. 			×												×			

American National Standard for the Safe Use of Mobile Elevating Work Platforms (MEWPs)	MANUFACT DEALER	DEALED	NE	1 day	SUPERVISC OPERAT	OPERATOR OCCU	OCCUPANT LESSOR	LESEE BROKER
A 3 Manuale				PAGE A	1999			
4.3.1 Operation Manuals. All manuals provided by the manufacturer and stored in the weather-proof compartment on the MEWP that are an integral part of the MEWP and communicates necessary safety information to users and operators		Reference	Constant Solar		SERVICE			
4.3.1.1 Machine manual(s). Manufacturers, dealers, owners, and brokers shall keep and maintain a copy of the service and parts manuals provided with the MEWP or subsequently provided applicable revisions of the manuals.	×	×					Contract Materials	×
4.3.1.2 With each sale, rental or lease, dealers, owners, lessors or brokers shall provide a copy of the operation manuals. Manuals shall be stored in a weath- er-resistant compartment on the MEWP.		××	~		e ganeros		×	×
4.3.1.3 With each sale delivery, dealers, owners, or brokers shall provide the machine manuals provided with the MEWP or subsequently provided applicable revisions of the manuals		×	×					×
4.3.1.4 Users shall keep and maintain a copy of the operation manuals in a weather-resistant compartment on the MEWP. The user shall ensure the operator reads and understands the manufacturer's operator's manual or has it explained to him/her.			×					
4.3.1.5 The operator shall ensure the operation manuals are stored in the weather-resistant storage compartment on the MEWP.		8 3989			×			
4.4 Record Retention The following reports shall be retained by the designated entities for a period of at least four years:		1000			STREE SOL			
1) Transfer of ownership: The manufacturer, dealer, owner and broker records shall ensure written records include the name and address of the purchaser of	×	×	×					×
2) Frequent and annual inspections: The owner or entity designated by the owner shall ensure written records include inspections performed, the date of 2) Frequent and annual inspections: The owner or entity designated by the owner shall ensure written records include inspections performed, the date of increasing one design of the owner or entity designated and identification of the person(s) performing the inspections and repairs.			×				1000	
3) Pre-delivery preparation, service and repairs: The owner or dealer shall ensure written records include all service and repairs made on the MEWP to include detector work corrective action accommished and identification of the entity or person(s) performing the service and/or repairs.		×	×				and the second s	
4) Training and familiarization: Manufacturers, dealers, and users records shall include the name of person(s) trained/familiarized, name of person(s) providing training/familiarization, date of training/familiarization, and MEWP classification (training) or model (familiarization).	×	×	×				Contractor Cabridge	
4.5 Modifications Only the owner can authorize a modification to a MEWP after meeting requirements of this section. Modifications or additions to a MEWP shall be made only with Only the owner can authorize a modification to a MEWP after meeting requirements of this section. Modifications or additions to a MEWP shall be made under the direction of an engi-prior written permission of the manufacturer. In case the manufacturer no longer exists, modifications to a MEWP shall be made under the direction of an engineer with expertise in MEWPs. The owner shall retain written permission and provide it to any subsequent owner, as applicable. A user shall ensure that MEWP supervisors and operators are aware and comply with the requirement that only the MEWP owner can authorize a modification to a MEWP.			×				with the way did to the total of the	
5 MAINTENANCE, INSPECTION AND REPAIR								
 5.1 Scheduled Maintenance 5.1.1 The MEWP owner shall arrange that the maintenance specified in this standard is properly performed on a timely basis. The owner shall establish a preventive maintenance program in accordance with the manufacturer's recommendations and take into account the environment of the work place and severity of use of the MEWP. 			×				an dischargeden sin seiter.	
5.1.2 The owner shall comply with the scheduled maintenance program including inspections as defined in this section of this standard and by the manufactur- er's requirements and safety related bulletins. All malfunctions and problems identified that affect safe operation shall be corrected by a qualified person and authorized by the owner before the MEWP is returned to service.			×				0198340307938388	

American National Standard for the Safe Use of Mobile

		×		5.4.2 The owner shall maintain on the MEWP a means, as provided by the manufacturer, to identify the date the last annual inspection was performed and the interval at which annual inspections are required.
		×		5.4.1 Owners shall ensure an annual inspection is performed no later than thirteen (13) months from the date of the prior annual inspection. The inspection shall be performed by a person qualified to inspect the specific make and model of MEWP. The inspection shall include all items included in the frequent inspection (see 5.3.3) plus items specified by the manufacturer for an annual inspection, to include manufacturer's bulletins. The inspection shall verify that the MEWP is registered with the MEWP manufacturer and that any open safety-related bulletins are addressed as part of the inspection. The MEWP shall not be placed back into service until all malfunctions and problems identified in the inspection have been corrected.
				5.4 Annual Inspection
		×		5.3.4 The MEWP shall not be placed into service until all malfunctions and problems have been corrected.
				p) any communication system between platform and ground is working properly.
				o) audible or visual alarms, if applicable, for proper operation; and
				m) datteries are checked for adequate fluid level and connections are secure and free from damage and corrosion, if applicable; n) drive systems, brakes, steering and speed controls for proper operation:
				I) lights, if applicable, for proper operation and illumination;
				k) wheel fasteners are in place and properly tightened;
				j) tires for damage and proper inflation, as applicable;
	ren:			i) electrical systems, for signs of damage, deterioration, dirt or moisture accumulation;
		×		h) hydraulic or pneumatic systems, for proper fluid or pressure levels and observable for proper operation, damage, leaks or external wear;
		< 		g) instructions, warnings and control markings are in place and legible;
				f) visual inspection of structural components and other critical components such as fasteners, pins, shafts, turntable attachment devices and locking devices;
				e) lubrication of all moving parts, inspection of filter element(s); hydraulic oil, engine oil, and coolant;
				d) all guards are in place and in good working order;
				c) all chain and cable mechanisms, for adjustment and worn or damaged parts;
				b) ground-level controls, including the provisions for overriding of additional controls;
				a) all functions and their controls, including controls for emergency operations, for speed(s), proper operation and limits of motion;
				5.3.3 The inspection shall be made by a person qualified to inspect the specific make and model of the MEWP. The inspection shall include all items specified by the manufacturer for a frequent inspection, to include manufacturer's bulletins, and shall, as applicable, include but not be limited to the following:
		×		5.3.2 A frequent inspection is required if the MEWP has been out of service for a period longer than three months, or if environmental conditions require a shorter period.
		×		5.3.1 Prior to placing the MEWP into service, the MEWP owner shall ensure a frequent inspection is performed in accordance with the requirements of sections 5.3.2, 5.3.3 and 5.3.4 and the manufacturer's instructions unless it is determined that the frequent inspection is current.
				5.3 Frequent Inspection
			×	5.2 Pre-delivery Inspections Prior to each delivery, the owner or dealer delivering the MEWP for sale, lease, rental or any form of use shall ensure the MEWP is inspected, repaired and adjust- ed in accordance with the manufacturer's specifications.
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2.22 Safe Use of Mobile Elevating Work Platforms (MEWP) Prestituting work Platforms (MEWPS) Prestituting work Platforms (MEWPS) Prestituting work Platforms (MEWPS) Prestituting work Platforms (MEWPS) Idea dramational Standard for the Safe Use of Mobile Prestituting work Platforms (MEWPS) Prestituting work Platform (Memoid Platform) Prestituting work Platforms (MEWPS) Prestituting work Platforms (MEWPS) Prestituting work Platforms (MEMPS) Prestituting work Platforms (MEMPS) Prestituting work Platformate Platformate Platformate Platforma Platformate Platforma Platfor	(Mindic	BRIDER	(ISYARA)	×	C DISTRIBUTES	0101010000	ASIGSE:	×	.9.2 Records shall be retained by entities in accordance with 4.4 of this Standard and/or as instructed by the safety-related bulletin.
2.22 Safe Use of Mobile Elevating Work Platforms (VEWP) Pre-sam flagment Pre-sam 	906035	instanta de	Melsolat	×	×	ALC: NO	ANNE:	×	
of Mobile Elevating Work Platforms (MEWP) Imational Standard for the Safe Use of Mobile Imational Standard for the Safe Use of Safe Use Safe Safe Safe Safe Safe Safe Safe Saf									Safety-related Bulletins
and	201003216	1004090000	Increased.	×	0.015.0	200201020	IN ISING	×	Replacement Parts
ture: ture: to inspect and maintain the MEWP in accor- x x x x x x x x x x x x x x x x x x x									 d) work platform lowered to the full down position, if possible, or otherwise secured to prevent motion; e) hydraulic oil pressure relieved from all hydraulic circuits before loosening or removing hydraulic components; and f) safety props or latches used as required and instructed by the manufacturer.
d functions test that includes the following: https://www.setthat includes the following: https://www.setthat includes the following: https://www.setthat includes the following: https://www.setthat.includes the following: https://www.setthat					SHORE SHOW	20030632	×		c) all controls in the "off" or "neutral" position and all operating systems secured from inadvertent motion;
In rements of this section.					8948978				b) power plant stopped and means of starting rendered inoperative;
d functions test that includes the following: REAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL S							SKORE CON		1.7.1 Before adjustments and repairs are started on MEWPs, the following precautions shall be taken, as applicable: a) read and understand the instructions and precautions provided by the MEWP manufacturer;
In d functions test that includes the following: MANUSACTORER SEALURE SALUER SALUE					10000000000000	10-31/02/02/02	×		ance and repair personnel are aware of and comply with the requirements of this
Ind functions test that includes the following: NANJFACTURER SSE					200030000000000000		×		that their maintenance and repair personnel are trained by a qualified person to inspect and andard and the manufacturer's requirements.
d functions test that includes the following:					2003		12666		p) any additional item specified by the manufacturer.
Ind functions test that includes the following: MANUSACTURER JUSALER OWNER SUPERVISOR					2849				o) operation of stabilizers/outriggers, extendable and oscillating axles; and
Ind functions test that includes the following: NANUFACTURER DEALER ONNER SUPERVISOR SUPERVISOR OCCUPANT X SUPERVISOR OCCUPANT LESSOR LESSOR									n) pins, pin securing devices and visible damage to the means of support of the work platform and extending structure;
d functions test that includes the following: NANJSACTURER DEALER ONNER USER SUBERVISOR OCCUPANT X X SUBERVISOR OCCUPANT LISSES LISSES		g Kal					5265		m) fluid levels including engine coolant, engine oil and hydraulic oil;
d functions test that includes the following:					sterfel				I) brake operation and performance;
d functions test that includes the following: NANUSACTURER DEALER ONNER X SUBERVISOR OCCUPANT X X LESSOR LESSOR		1220			463255	(japa)			k) cleanliness and general signs of damage;
d functions test that includes the following:						0.05			j) work platform, including guardrail system, floor, anchorage and mounting;
Ind functions test that includes the following: NANUSACTURER DEALER SUSERVISOR SUSERVI					<u>1939</u>	Kati			i) structural items including extending structure and stabilizers/outriggers;
d functions test that includes the following:			×		×				h) instructions, warnings, control markings and operator's manual(s);
d functions test that includes the following:			Kasa		6666				g) tires (where applicable tire pressure), wheels and wheel fasteners;
d functions test that includes the following:		20030							f) loose, damaged, worn or missing parts;
Id functions test that includes the following:					100000				e) electrical cables and wiring harness;
d functions test that includes the following:			(Alex		9839				d) air, hydraulic and fuel-system leaks;
Ind functions test that includes the following:		enta si			REFER		pants.		c) personal protective devices that will be worn while operating/occupying the MEWP;
Id functions test that includes the following:									b) audible and visual alarms and beacons;
Ind functions test that includes the following:									a) operating and emergency controls;
MANUFACTURER DEALER OWNER USER SUPERVISOR USER SUPERVISOR OPERATOR OPERATOR LESSOR			1993:86						Pre-start Inspection before each day or at the beginning of each shift, the user shall ensure and the operator shall perform a pre-start and functions test
128 1 18 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x	LESER	occur	OPERVIS	SED	NEN	DEALED	MANUE	M	evating Work Platforms (MEWPs)
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American National Standard for the Safe Use of Mobile Elevating Work Platforms (MEWPs)



6 OPERATION					
The user shall direct personnel operating a MEWP to be in compliance with the provisions set forth in this standard and the manufacturer's requirements. The user shall develop and implement a safe use program (4.2), monitor personnel performance and supervise their work to ensure the use, application and operation of the MEWP is in conformance with the provisions set forth in this standard, warn personnel of potential hazards as defined in section 6, provide means to protect against identified hazards and explain the potential consequences of not following proper operating guidelines. User's personnel, to include MEWP supervisors, operators and occupants, shall comply with applicable requirements in section 6.	×	×	×	×	
6.1 Risk Assessment			00000		
6.1.1 General It is the user's responsibility to ensure an appropriate MEWP risk assessment is performed by qualified personnel consistent with all provisions within Section 6.1.	×				
6.1.2 Stages of Risk Assessment		8.8			
6.1.2.1 Identify the Task to be Undertaken As the first stage in the risk assessment, the task to be undertaken should be clearly identified, together with the location and timing.	×				
6.1.2.2 Select an Appropriate MEWP There are many different types of MEWPs with various rated capacities, working heights and reaches. The user shall select an appropriate machine based upon consideration of factors including, but not limited to, the task to be undertaken, the constraints of the worksite, ground conditions, site access and proximity to the public or other workers.	×				
6.1.2.3 Assess the Risks Associated with the Task The risks associated with the task specific to MEWP operations shall be identified. These might be associated with the location where the work is to be carried out, the nature of the MEWP or the personnel, materials and equipment to be carried.	×				
6.1.2.4 Identify Control Measures Once the hazards and risks involved in the task have been identified, the procedures and measures required to control them shall be identified and implemented.	×		A 1999 1997 1997 1997 1997 1997 1997 199		
6.1.2.5 Identify Safe Work Procedures The risk assessment results are used to plan safe work procedures, including any contingencies required, in carrying out the identified tasks.	×		and the closer		
6.1.2.6 Rescue from Height					
6.1.2.6.1 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.	×				
 6.1.2.6.2 A system failure of the MEWP that results in the loss of the platform control functions may be addressed by the use of: a) The MEWP auxiliary power function of the controls; b) The MEWP secondary manual emergency descent controls. 	×				
6.1.2.6.3 A fall from the platform when using a fall arrest system will require a rescue plan to determine how the affected worker will return safely to the platform or ground. The plan shall be put in writing and become part of the company's training manual. All occupants shall receive training that explains procedures to follow if they fall and await rescue or witness another worker's fall. Ideally this plan will limit the time that an occupant is suspended after an arrested fall.	×			×	

ns (MEWPs) following:	MANUE DEALER	NO	SUPER	0000	LESSO LESEE BROKE
 6.1.2.6.4 A rescue plan can include the following: a) Self-rescue – by person involved; b) Assisted rescue – by others in the work area; 		×			
6.1.2.6.5 As part of the plan, consideration shall be given to the rescue of MEWP work platform occupants if the machine is unable to be lowered for any reason, such as complete machine malfunction or work platform entanglement. In the case of platform entanglement, the operator and occupants shall be removed from the platform prior to attempts being made to free the platform. MEWPs which have tipped beyond their center of gravity shall be stabilized and secured before attempting rescue. Technical rescue might also be necessary in the event of illness, injury or risk of exposure. Any rescue stabilized and secured before attempting rescue. Technical rescue might also be tranded at height and any need for prompt action.		×	×	×	
6.1.2.6.6 Rescue should always be carried out by appropriately trained personnel, using the machine's ground controls or secondary lowering system when feasible. All rescue procedures near electrical conductors shall comply with section 6.8.12 of this Standard.		×			
 6.1.2.6.7 Rescue using another MEWP should be carried out only once a site review has been carried out and a plan is created. The plan should take into account the following: account the following: the rescue machine should be positioned to enable the rescue procedure to be carried out without compromising the safety of personnel involved in 		Principle Con			
 b) the platforms of both machines shall be adjacent to each other with a minimal horizontal/vertical gap between them. The power to controls on usual machines should be switched off during the transfer; c) the person being rescued should be fitted with proper fall protection equipment and the lanyard should be attached to the anchor points on the rescue machine before the transfer takes place; d) the rescue machine shall not be overloaded during the rescue. This could mean making more than one trip to complete the rescue; and e) always comply with the manufacturer's requirements stated in the operator's manual. If there is injury, illness or risk of exposure (such as suspension trauma), emergency personnel shall be called. Suspension trauma can occur if a person 		×			
6.1.2.7 Communicate the Results					
		× ×			
		And a state of a state			
ntally capable to operate the MEWP safely.		×			
6.2.1.1 The user shall ensure and the operator shall comply with the requirement for operators to be trained and familiarized in accordance with A92.24 and this Standard before being authorized to operate a MEWP. Only trained and authorized persons shall be permitted to operate a MEWP.		< ×			
6.2.1.2 The user is responsible to assess if personnel are qualified to perform the task.		>			
6.2.2 Occupant Knowledge The user shall ensure that the MEWP operator provide instruction or otherwise ensure all occupants have a basic level of knowledge to work safely on the MEWP. Occupant knowledge shall comply with ANSI A92.24 Section 7.4.		×			

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A92.22 Safe Use of Mobile Elevating Work Platforms (MEWP) American National Standard for the Safe Use of Mobile Elevating Work Platforms (MEWPs)	MANUFACTURER DEALER OW	NE	SEN	SUPERVISOR OPERATOR OCCUS	LESSOR LESEE	BROKER
6.2.3 Supervisor Training All personnel that directly supervise MEWP operators shall receive training. Users shall ensure personnel that directly supervise MEWP operators are trained as defined in ANSI A92.24 Section 7.5.			the second second second			
6.2.4 Retraining The user shall designate a qualified person to monitor, supervise and evaluate operators on a regular basis to ensure their proficiency. Examples of situations when retraining would be necessary include, but are not limited to:						
a) expiration of the operator's valid training period; b) deterioration of the operator's performance;			×			
c) the operator's extended period of time with no operation of a MEWP;						
 d) the operator's introduction to new or significantly different MEWP technology; e) the operator has been involved in an accident or near miss with the MEWP. 						
The evaluation will be accomplished through visual observation, at a minimum, which shall be documented for retention by the user. 6.2.5 Familiarization						
6.2.5.1 Prior to user's authorization of an operator to use a specific model of MEWP, the user shall ensure the operator is familiarized on the following, and as specified by the manufacturer:						
a) identification of the location for the manual(s) storage;b) requirement for confirmation that the required manual(s) specified by the manufacturer are with the MEWP;			×			
 c) purpose and function of the controls specific to the model of MEWP to be used; d) features, limitations and devices; and e) operation observations specific to the model of the MEWP 						
6.2.5.2 When authorized by the user, self-familiarization can be achieved, if authorized, by a properly trained operator reading, understanding and following the manufacturer's operator's manual.			×			
6.2.5.3 The user shall ensure that after familiarization, the operator operates the MEWP for a sufficient period of time to achieve proficiency.			X			
6.3 Assistance to Operators If a user is unable to answer an operator's question, such as rated capacity, intended use, maintenance, repair, inspection or operation of the MEWP, the user shall obtain the proper information from the dealer or manufacturer. The answer may also be obtained from a qualified person if the manufacturer is no longer in business.			×			

×	×			e) personal fall-protection devices are used, when required.
XX	×			d) all occupants of the MEWP shall receive instructions from the operator as defined in ANSI A92.24;
10 0.000	×	1		c) loads and their distribution on the work platform and any platform extension are in accordance with the manufacturer's rated load for that specific configuration;
				b) guardrails and access gates or openings are closed or in appropriate positions per manufacturer's instructions;
	< >			a) stabilizing devices, such as outriggers, extendible axles, or other stability-enhancing means are used as required by the manufacturer;
×	<			Frior to Each Operation The user shall ensure and the operator shall comply with, prior to each operation of the MEWP, the following:
	and the second			k) traffic hazards.
	ioogei			j) presence of personnel and other mobile equipment; and
				i) wind and weather conditions;
				h) surfaces inadequate to sustain the ground-bearing pressures imposed by the MEWP in all operating configurations;
				g) hazardous atmospheres and/or hazardous locations;
				f) electrical conductors;
	;			e) overhead obstructions;
	×			d) debris;
				c) bumps, floor obstructions and electric cables;
		6200		b) slopes;
	100000	a a		a) drop-offs or holes, including those concealed by water, ice, mud, etc.;
				be checked for possible hazards, such as but not limited to:
				Before and during the use of the MEWP, the user shall ensure and the operator shall perform a workplace inspection in the area in which the MEWP is used shall
				k) use of appropriate personal protective equipment for the conditions including the environment in which the MEWP will be operated; and the convict that there is another qualified person on site who is not working on the platform and knows how to use the emergency controls.
				j) read and understand or have a qualified person explain all decals, warnings, and instructions displayed on the MEWP;
				i) read and understand or have a qualified person explain the manufacturer's operating instruction(s) and user safety rules;
				h) loads and their distribution on the work platform and any platform extension are in accordance with the manufacturer's rated load for that specific configuration;
	41.17.16			g) guardrails are installed and access gates or openings are closed or in appropriate positions per manufacturer's instructions;
				f) stabilizing devices, such as outriggers, extendable axles, or other stability-enhancing means are used as required by the manufacturer,
X X X	×			e) authorization by the user;
				d) knowledge of the intended purpose and function of each control and items specified by the manufacturer;
				c) knowledge of the possible hazards associated with the task, site, or environment and the means to safely deal with any such hazards;
				b) selection of a MEWP appropriate for the task to be performed;
				a) understanding of the task to be performed;
		10000		be aware of and comply with all provisions set forth in this standard including, but not limited to the following:
				5.4 Before Operation To one was the one operation of MEWDe, the user shall direct their personnel to include supervisors of MEWD operations, operators and occupants of a MEWD to
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American National Standard for the Safe Use of Mobile Elevating Work Platforms (MEWPs)	MANUFACTUR	VEN	SED	SUPERVISOR OPERAT	OPERATOR OCCUS	OCCUPANT LESSO	ESSOR	LESEE BROKER
6.7 Understanding of Hazardous Atmosphere Locations The user shall ensure that if a MEWP is to be used in a hazardous environment where flammable or explosive gases or particles are present, a MEWP designed/ designated for this environment shall be used as recommended by the manufacturer or a qualified person. The MEWP shall be in compliance with ANSI/NFPA Standard 505			Selected activity of a state of the select					
6.8 Specific Requirements of Operation								
6.8.1 Fall Protection				ere profi		1		
6.8.1.1 The guardrail system of the MEWP is the primary fall protection for occupants. When required to use personal fall protection, either fall restraint or fall arrest, operators and occupants shall comply with the instructions provided by the manufacturer regarding anchorage(s).				×	×			
6.8.1.2 All group B MEWP operators and occupants shall use personal fall arrest or fall restraint systems at all times.				×	×			
6.8.2 Weather Considerations The user shall define and the operator shall comply with control measures to address the potential risk associated with weather conditions when operating MEWPs, to include conditions such as wind, lightning, ice, fog or any other weather condition that directly or indirectly affects the safe operation of a MEWP as appropriate. Control measures shall address Sections 6.8.2.1., 6.8.2.2, 6.8.2.3 and 6.8.2.4.		×		×				
6.8.2.1 Effect of Wind Forces on MEWPS MEWPs shall not operate in wind speed conditions beyond the maximum allowed by the manufacturer. No modifications or additions to the MEWP that affect its wind loading and consequently its stability shall be made without the manufacturer's approval. Where this approval cannot be obtained from the manufacturer, approval shall be obtained from an engineer.		×		×		2000 (1997) (199		
6.8.2.2 Effect of Wind on Equipment in the Work Platform Care shall be taken when handling building materials, sheet materials, panels and other such materials which can act as sails.		×		×				
6.8.2.3 Local Wind Effects The shielding and funnelling effects of structures can cause high wind speeds and turbulence on days when the wind speed in open areas is low. Other sources of local high wind speed that shall be considered in relation to safety at worksites are at airports and along roadways.		×		×	Stephen (1)			
6.8.2.4 Use in Thunderstorms MEWPs shall not be used outdoors in a thunderstorm. MEWPs can be used inside of a building where the MEWP and operator are not subject to a lightning strike.		×		×				S. S. S.
6.8.3 Ground Condition Considerations The user shall identify potential hazards caused by ground conditions identified in Sections 6.8.3.1, 6.8.3.2, and 6.8.3.3 and provide the operator with warning and instructions. Operators shall comply with the instructions and notify their supervisor if additional potential hazards are identified during their workplace inspections and avoid the risk until directed otherwise by their supervisor.		×		×				
6.8.3.1 General The stability and safety of MEWPs are affected by poor ground conditions which can lead to the machine becoming out of level and unstable. The user shall ensure that the area where the MEWP is going to be used prior to operation be inspected and fully comply with all warnings and instructions provided by the manufacturer. If the level indicator indicates that the operating limits are nearing the MEWP's specified limits, then the operator shall lower and reset the MEWP in a level position.		×		×				
6.8.3.2 Inadequate Outrigger Foundations Some soil types, moist soils, and soils which have not been compacted as well as some improved surfaces (paved, concrete, compacted, etc.) are not capa- ble of supporting the pressures of outrigger pads. In such cases, the user and operator shall determine and ensure that some form of foundation or spreader pad is required to reduce the ground pressure to an acceptable level. Spreader pads shall have sufficient size, stiffness and strength to spread the load over the required area.		×		×	and program.			

nining warn- bections are are for for y the y the x x x x x x x x x x x x x x x x x x x	P travels between worksites, adequate protection or signalling to warn the public shall be provided to the operator by the user. X and the operator shall comply with the requirement not to operate a MEWP on grades, slopes, ramps or cambers exceeding those for the by the manufacturer.	ith the requirements to deploy and lock into place as required by the manufacturer any stabilizing devices xs or other stability-enhancing means.	perators shall comply with the requirements to install and position guardrails, and that access gates or openings shall be properly positions per the manufacturer's instructions. The guardrails of the MEWP shall not be used to carry materials unless approved by the materials shall not exceed the rated capacity of the platform.	ators shall comply with the requirements for rated loads and their distribution on the MEWP and any MEWP extension(s) be in the facturer's requirements.	6.8.9 Maintaining Overhead Clearance The operator shall ensure adequate clearance is maintained from overhead obstructions.	6.8.10. MEWP Traveling 6.8.10.1 Before Moving the Work Platform or MEWP The product the the product for traveling to include:	6.8.10.1 Before Moving the Work Platform or MEWP	sub-surface voids such as cellars, basements, culverts and pipes shall be taken into consideration when determining port the MEWP in its operating configuration. caused by operations on public roads as identified in Section 6.8.4.1 and 6.8.4.2 and provide the operator with warn- caused by operations and notify their supervisor if they identify additional hazards during their workplace inspections is by their supervisor. et put with the instructions and notify their supervisor if they identify additional hazards during their workplace inspections is by their supervisor. et put end to a public road, the users and operators shall ensure that appropriate measures are or affected. These measures may include but are not limited to: s etche equipment, such as reflective clothing; incles of the presence of the MEWP and any associated vehicles; federal regulations. worksites, adiaquate protection or signaling to warn the public shall be provided to the operator by the user. incles of the presence of the MEWP and any associated vehicles; federal regulations. worksites, adiaquate protection or signaling to warn the public shall be provided to the operator by the user. incles of the requirements to deploy and lock into place as required by the manufacturer any stabilizing devices litating axies or other stability-enhancing means. Internet is instructions. The guardralis of the MEWP shall not be used to carry materials unless approved by the ot exceed the rated capacity of the platform. They with the requirements for rated loads and their distribution on the MEWP and any MEWP extension(s) be in irrements. rance is maintained from overhead obstructions.		× × × × × × × × ×	
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American National Standard for the Safe Use of Mobile Elevating Work Platforms (MEWPs)	ANUFACTURER EALER WNER	IPER	CUIDA	SSOR SSOR SEE POKER
6.8.10.2 Moving or Traveling The operator shall:		5		
a) maintain a clear view of the area continuously in the direction of movement, including above and below the work platform, maintain an adequate clear- ance distance from hazards and avoid any distractions;				
 b) travel with the boom/platform positioned at the lowest safe position for the conditions; c) move at speeds that are appropriate for safe operation. 				
d) allow for the platform movements due to the effects when traveling over uneven surfaces, slopes and ramps;		×		
e) allow for the distance the work platform may move or MEWP will travel before a complete stop after controls are released or returned to neutral position;				
t) not lean on or over the guardrails while the MEWP is elevating or traveling close to obstructions; of not lean higher body over the work platform control poor at one time.				
h) not place objects on the work platform control panel; and				ion of
i) provide for the safety of any others in the work platform during any MEWP movement.				
6.8.10.3 While Working at Height The operator should use available devices to deactivate the controls on the work platform, whenever possible.		×		
6.8.11 Work Platform Materials The user shall ensure and the operator shall comply with the need for materials on the work platform floor to be secured and do not pose a hazard, to include while moving the MEWP.		×		
6.8.12 Electrical Hazards When working in the area of energized conductors the user shall direct and the operator shall comply with the requirements to:				
 a) Stay at least 10 feet away from power lines with any part of their body, conductive object or any part of the MEWP. b) If work requires working nearer than 10 feet, stop and consult a qualified person with respect to electrical transmission and distribution to have appropriate measures taken (such as de-energizing and grounding). 				
c) If there is a question that the power lines may carry more than 50kV, consult a qualified person with respect to electrical transmission and distribution before proceeding.	×	×		
d) If working or approaching closer than explained above, it shall only be done by a qualified person with respect to electrical transmission and distribution. Only qualified persons may work on electric circuit parts or equipment that has not been de-energized. Such persons shall be capable of working safely on energized circuits and shall be familiar with the proper use of special precautionary techniques, personal protective equipment, insulating and shield- ing materials and insulated tools.		NEXT STR		
6.8.13 Footing for Personnel The user shall direct the operator and occupants shall comply with maintaining a firm footing on the MEWP platform floor at all times while working thereon. Climbing by occupants on the toe board, mid-rail or top-rail of the MEWP is prohibited. The use of planks, ladders, or any other devices on the work platform for achieving additional height or reach is prohibited	×	×	×	
6.8.14 Precautions for Other Moving Equipment				
6.8.14.1 When other moving equipment and vehicles are present, users shall direct and operator shall comply with the requirements for special precautions to be taken to comply with local ordinances or safety standards established for the workplace. Warnings, such as but not limited to flags, roped-off areas, flashing lights, traffic cones and barricades, shall be used as appropriate.	×	×		
6.8.14.2 When a MEWP is to be operated in conjunction with a crane or some other moving equipment, the user shall ensure the MEWP operation is properly planned and a safe system of work developed and coordinated with operation of the other moving equipment. The operator shall be instructed in how to deal with any foreseeable emergencies.	×	×		
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MANUAL OF RESPONSIBILITIES 1

evident during operation. perations are repaired prior to dous atmospheres.	× × USER
6.8.17 Hazardous Location Operation and/or Hazardous Atmospheres The user shall determine the hazard classification of the intended location of operation. Operation of a MEWP not approved and marked for operation in a hazardous location and/or hazardous atmospheres, such as one having potentially flammable or explosive gases or particles, shall be prohibited. The operator shall immediately report to a supervisor any potentially hazardous location(s) that become evident during operation.	×
6.8.18 Entanglement Care shall be taken to prevent rope, electric cables and hoses, etc., from becoming entangled in the MEWP or adjacent structure or objects. Users shall avoid these applications, if possible, and operators shall take precautions to avoid entanglement during operation.	×
6.8.19 Load Transfer Users shall plan task and instruct operators when adding materials or personnel loads to the work platform and ensure the work platform rated load is not exceeded. Operators shall comply with instructions and verify during operations that the rated work load is not exceeded. Note: Load sensing system may not provide protection in these situations.	×
6.8.20 Work Area The operator shall ensure that the area surrounding the MEWP is clear of persons and equipment before any movement of the MEWP.	
6.8.21 Ventilation The user shall ensure that proper ventilation is provided in enclosed areas where internal combustion powered equipment is used. Proper ventilation requirements shall be determined by a qualified person. Operators shall verify compliance with their supervisor if work with a MEWP is required in enclosed areas.	×
6.8.22 Fuelling The user shall direct and the operator shall comply with the requirements to, if applicable, shut down the MEWP engine while fuel tanks are being filled. Fuel- ling shall be done in a well-ventilated area free of flame, sparks or other hazards that may cause fire or explosion.	×
6.8.23 Battery Charging Batteries can produce explosive gas when being charged. The user shall direct and the operator shall comply with the requirements to charge batteries in a well-ventilated area free of flame, sparks or other hazards that may cause fire or explosion.	×
6.8.24 Improper MEWP Stabilization The user shall direct and the operator shall comply with the requirements not to position the MEWP against, tied to or restrained by another object to steady the platform or improve stability.	×
6.8.25 Misuse as a Crane The user shall direct and the operator shall comply with the requirements not to use the MEWP as a crane unless specifically approved by the manufacturer.	×
6.8.26 Use of MEWP for Grounding The user shall direct and operator shall comply with the requirement that the MEWP shall not be used for electrical grounding to earth when welding structures alongside it unless specifically approved by the manufacturer.	×
6.8.27 Climbing the Extending Structure The user shall direct and the operator shall comply with the requirement to never climb on the MEWP extending structure.	×

	MANUFACTURE DEALER OWA	NA.	- Q3°	A PER OP	OPERATOR OCCU	OCCUPANT LESSC	LESSOR LESEE
bly with requirement to not operate a MEWP, except for loading and unloading purposes, from a position on a scaffolds or similar equipment unless the application and the method are approved in writing by the manufac-			NEW PROPAGATION CONTRACTOR	×			
6.8.29 Stunt Driving Operators are prohibited from stunt driving, horseplay and reckless operations.				×			
6.8.30 Unauthorized Use				NAME OF TAXABLE			
6.8.30.1 The user shall direct and the operator shall comply with the means provided to protect against use by any unauthorized person(s).		×		×			
6.8.30.2 The operator shall not provide the MEWP to another person or entity for any use without the authorization of the user.				×			
6.8.31 Altering and Disabling The user shall direct and the operator shall comply with the requirement to not alter or disable MEWP limiting and indicating devices required by the manufacturer.		×		×			
6.8.32 Snagged Platform If the work platform, extension or elevating assembly becomes caught, snagged or otherwise prevented from normal motion by adjacent structures or other obstacles such that control reversal does not free the platform, users and operator shall ensure that all operators and occupants are removed from the work platform before attempts are made to free the platform using ground controls.		×		×			
 MEWPs are not specifically designed to transfer personnel from one level to another or for leaving the work platform. Exiting (or entering) a MEWP at height shall only be permitted through a procedure provided by the manufacturer or qualified person that addresses the following: a) fall prevention of persons during transfer from the work platform to the structure; b) fall prevention of tools and materials during transfer from the work platform to the structure; c) sudden movement of the MEWP or work platform; d) additional loads or changing of loads imposed on the MEWP for which it was not designed which could affect stability or overload the machine; e) dynamic and impact loads from personal fall protection equipment; f) damage to the MEWP or structure by an unintentional movement of the MEWP; g) stranding of people; h) use of extending decks and gates; i) use of single or double lanyards; i) access and maintenance of required fall protection for persons while they are on the structure: 		×		×	*		
 K) distance between transfer surfaces, both horizontally and vertically; k) potential for movement of the MEWP platform due to changing loads; and m) compliance with the local authority having jurisdiction. Users shall direct and operators and occupants shall comply with approved procedures for this operation. 							
6.8.34 Safe Carrying of Materials The user shall direct and the operator shall comply with allowing only properly secured tools and materials which are evenly distributed and can be safely handled by a person(s) working from the work platform, are moved. Carrying materials larger than the platform shall be prohibited unless approved by the manufacturer.		×		×			

A92.22 Safe Use of Mobile Elevating Work Platforms (MEWP)

American National Standard for the Safe II.

×		The user shall direct and operator shall comply with the requirement that the MEWP, including its stabilizing devices, shall be in the manufacturer's recommended configuration when being transported.
		7 TRANSPORT
× ×		6.8.39.2 On completion of work, the MEWP shall be parked in the designated area with the engine or motor switched off, the work platform lowered to its stowed position and the brakes applied. The MEWP shall not be left unattended in the elevated position unless approved by the manufacturer.
× ×		6.8.39.1 Wherever possible, MEWPs should be parked in a secure compound or in a supervised area inaccessible to unauthorized persons. Keys shall be removed from the MEWPs when not in use. Keys should be issued only to authorized operators and retained by them until the end of the work period.
×		6.8.39 Parking of the MEWP The user shall direct and operator shall comply with the requirements in the proper procedures to park the MEWP at the end of daily work to include at a minimum the requirements of Sections 6.8.39.1 and 6.8.39.2.
×		6.8.38 Moving Overhead Obstructions The user shall direct and the operator shall comply with required steps to take when an MEWP operates within the area of moving overhead obstructions to prevent a collision with the MEWP.
× ×		6.8.37 Misuse as a Jack The user shall direct and the operator shall comply with the requirements that the MEWP shall not be used as a jack, prop, or a tie to support itself, other struc- tures or machines unless the user obtains written approval from the manufacturer for the use of the MEWP for that purpose, or obtains a written procedure from an engineer for each specific case where a MEWP is used for that purpose.
×		6.8.36 Allowable Rated Forces The user shall direct and the operator shall comply with the requirements to not exceed any of the rated forces allowed by the manufacturer, such as rated horizontal forces and dynamic and impact loads from operations.
× ×		6.8.35 Carrying Materials Outside the Work Platform The user shall direct and the operator shall comply with the requirement that carrying materials outside the work platform is prohibited, except when using a carrier designed for the intended purpose and with written authorization from the manufacturer.
NER USER SUPERVISOR OPERATOR OCCUPANT LESSOR LESSEE BROKER	MANUFACTURER DEALER OWNER	A92.22 Safe Use of Mobile Elevating Work Platforms (MEWP) American National Standard for the Safe Use of Mobile Elevating Work Platforms (MEWPs)

American National Standard establishing Training Requirements for the Use, Operation,



6

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The operator shall only operate MEWPs that they are authorized, trained and have been familiarized to operate

6.6 Operator

6.5 Supervisor

All personnel that directly supervise MEWP operators shall receive training identified in this standard for the "Supervisor" (see section 7.5)

MANUAL OF RESPONSIBILITIES

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Mobile Elevating Work Platforms (MEWP)	RER !	111	//	/ /
lishing Training Requirements for the Use, Operation, ce of Mobile Elevating Work Platforms (MEWPs)	ANUFACTU, SALER WNER	PER VISOR	CUPANT	SEE POKER
6.7 Occupant MEWP occupants other than operators shall receive instruction identified in this Standard for the "Occupant" (see section 7.4).				
6.8 Familiarization Familiarization shall be conducted in accordance with the requirements of ANSI/SAIA A92.22, Section 6.2.5.	×			
6.9 Retraining				
6.9.1 The user shall designate a qualified person to monitor, supervise and evaluate operators on a regular basis to ensure their proficiency. Examples of situa- tions when retraining would be necessary include, but are not limited to:				
a) expiration of the operator's valid training period;				
c) the operator's extended period of time with no operation of a MEWP;	×			
d) the operator's introduction to new or significantly different MEWP technology;e) the operator's involvement in an accident or near miss with the MEWP.				
6.9.2 The evaluation will be accomplished through visual observation, at a minimum, which shall be documented for retention by the user.	×			
7 TRAINING CONTENT				
7.1.1 Training shall include both theory (classroom/online) training and practical (hands-on) operation and evaluation.				
7.1.2 The user shall ensure that training is presented in a manner that trainees can understand.	×			
 7.2 Contents of Theory (Classroom/Online) Training Theory (classroom/online) training shall include MEWP safe use as defined in A92.22, and shall also include the following: a) the selection of appropriate MEWPs from the various classifications including available options; b) the purpose and use of operation manuals, placards and decals, and safety rules; 				
c) understanding that operation manuals are an integral part of the MEWP and need to be stored properly in the weather-resistant compartment on the MEWP when not in use;				
 d) validation that annual inspection is current on the placard when present on the MEWP; e) knowledge of how to perform a pre start inspection; 				
 f) responsibilities associated with problems or malfunctions affecting the operation of the MEWP; g) knowing and understanding factors affecting stability; 				
 h) recognition and avoidance of hazards associated with operation; i) knowing and understanding workplace inspections and that they must be performed prior to each use; 				
k) thorough understanding of the intended purpose and function of the MEWP controls, including platform, ground, and emergency descent controls;				
I) general knowledge of various MEWPs and features and devices specified by the MEWP manufacturer to include physical characteristics and other machine options;				KESTRE
m) applicable regulations, standards and safety rules;				
 o) safe traveling practices; 				
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		g) manufacturer's warnings and more reasonable only to be conveyed to at least one other occupant. NOTE: The requirements in item f) above need only to be conveyed to at least one other occupant.
		 c) safe use of MEWP accessories they are assigned to use; c) safe use of MEWP accessories the occupants must follow related to the operation of the MEWP; d) site-specific work procedures the occupants must follow related to any applicable site risk assessment; e) hazards related to the task at hand and their avoidance, to include any applicable site risk assessment; f) general knowledge of the intended purpose and function of MEWP controls and safety-related items specified by the manufacturer, including emergency shut-down and lowering procedures, to the extent required to lower the MEWP safely to the ground/stowed position (see NOTE); and shut-down and lowering procedures, to the extent required to lower the MEWP safely to the ground/stowed position (see NOTE); and
×		 a) the requirement to use fall protection and the location of fall protection anchors; b) factors including how their actions could affect stability;
	4.000385	7.4 Occupant Knowledge The MEWP operator shall provide instruction or otherwise ensure all occupants have a basic level of knowledge to work safely on the MEWP. This instruction should also provide at least one of the occupants with the knowledge to operate the controls in an emergency where the operator cannot. This instruction does not give the occupant authorization to operate the controls at any time except in an emergency. The knowledge that every occupant must have shall include as a minimum the following:
		g) parking and securing the MEWP.
		e) setting the MEWP for work in approaction, f) operation and function of all controls – completing course tasks;
		d) planning the route of travel and worksite inspection;
		c) perform pre-start inspection - carry out daily checks and inspections;
		b) major components – identification and function;
		a) walk around and familiarization with MEWP;
		7.3 Contents of Practical (Hands On) Training Under direction and evaluation of the qualified trainer, the trainee shall operate the MEWP for a sufficient period of time to demonstrate proficiency regarding the following:
		y) other subjects required by the MEWP manufacturer.
		 w) the dangers associated with high pressure systems; x) the responsibility of operator to inform platform occupants of applicable regulations, standards and safety rules and the requirements of section 7.4.
		v) familiarity with the requirements of operators;
		i) warnings and instructions;
		s) the requirement for familiarization in addition to training, which are supported by the second seco
		r) understanding that securing the MEWP from unauthorized use is required;
		p) Issues associated with miniport of energy of the user is required to operate MEWP; a) understanding that authorization by the user is required to operate MEWP;
		heory (classfootriv utilitie) utalities of the appropriate);
		7.2 Contents of Theory (Classroom/Online) Training (continued)
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MANUAL OF RESPONSIBILITIES

Mobile Elevating Work Platforms (MEWP)	A92.24 Training Requirements for the Use, Operation, Inspect
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	American National Standard establishing Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevating Work Platforms (MEWPs)	MANUFACTURE DEALER DWG	DWNER ISER	OPERVISOR	CCUPANT ESSOR ESEE
the work being performer: • × × • ×<	Supervisor Training sers shall ensure personnel that directly supervise MEWP operators are trained in the following: a) proper selection of the correct MEWP for the work to be performed; b) the rules, regulations and standards that apply to MEWPs, including the provisions for safe use as defined in ANSI A92.22. training and familiarization, and				
NUMERITATION OF TRAINING Internet Trainers Intraining shall be delivered by a qualified person who is experienced with the particular classification of MEWP and knowledgeable regarding the laws, regulations, stall use practices, manufacture is requirements, and recognition and avoidance of hazards associated with MEWPs. Internet Curriculum For the operator training shall incorporate the topics and subjects listed in Section 7 Training content. The curriculum shall clearly identify that raining cours only the cleasification for the MEWP(s) included in the training (see Section 1.1.3, pg. 8). Internet is not the training environment should be free from hazards and supportive to learning. Internet is not the court is not the training environment should be free from hazards and supportive to learning. Internet is not incompate proper lighting and acoustics, room size and capacity to accommodate the number of trainees, theating and all conditioning, prevaluation equipment, visuality for all trainees of the presentation, and rest room facilities. Internet is not trainees, theating environment should be free from other moving equipment and personal traffic. Warnings such as flags, noped of areas, theating and practical (hands-on) training environment should be free from other moving equipment and personal traffic. Warnings such as flags, noped of areas, theating and practical (hands-on) training environment should be free from other moving equipment and personal traffic. Warnings such as flags, noped of areas, theating and practical (hands-on), results of the theory (classroom/ integrite) and practical (hands-on), Results of the theory (classroom/ integrite) in the topic shall be isoued with sate use of the MEWP. Intene topic areas, theatoreas, the substrate on the training enving e	 c) potential hazards associated with use of MEWPs and the means to protect against identified hazards; d) knowledge that the manufacturer's operation manuals are an integral part of the MEWP and need to be stored properly in the weather-resistant compartment on the MEWP. 				
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 13.1 The environment where training occurs should be free from hazards and supportive to learning. 13.2 The classroom training environment should incorporate proper lighting and acoustics, room size and capacity to accommodate the number of trainees, heating and air conditioning, presentation equipment, visibility for all trainees of the presentation, and rest room facilities. 13.3 The practical (hands-on) training environment should be free from other moving equipment and personnel traffic. Warnings such as flags, roped off areas, barricades, or flashing lights shall be used when appropriate. A risk assessment should be made for each location where a practical test is to be given to identify and eliminate or mitigate all hazards and risks associated with safe use of the MEWP. 15.2 Testing 16.2 Occumentation of Training 17.4 Ocemonstrate competency, each trainee shall show proficiency in both theory (classroom/online) and practical (hands-on). Results of the theory (classroom/ nine) and practical (hands-on). Results of the theory (classroom/ nine) and practical (hands-on) evaluations shall be documented. (See Appendix A-D for examples.) 17.5 Personal Documentation of the training program, the user shall be furnished with proof of training by the training entity referencing compliance with this tandard. Documentation shall be issued with the following information: a) name of the entity providing training or retraining; b) name of the entity providing training or retraining; c) clear identification of MEWP covered in training; c) clear identification of the classification of MEWP covered in training; d) date of training is valid (if applicable). 	3 Training Environment				
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Υ.	Personal Documentation of Training pon successful completion of the training program, the user shall be furnished with proof of training by the training entity referencing tandard. Documentation shall be issued with the following information:				
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 d) date of training completion; e) name of trainee; f) period of time training is valid (if applicable). 	c) clear identification of the classification of MEWP covered in training;		×		
f) period of time training is valid (if applicable).	e) name of training completion;				
	f) period of time training is valid (if applicable).				

Mobile Elevating Work Platforms (MEWP) A92.24 Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of

Inspection, Testing and Maintenance of Mobile Elevating Work Platforms (MEWPs) American National Standard establishing Training Requirements for the Use, Operation,

8.6 Record Retention

retained for at least four years:a) name of the entity providing training or retraining; The following training records shall be dated and retained by the user for at least the period of time the training is valid and the familiarization records will be

a) name of person(s) trained or retrained and MEWP classifications;

b) name of entity providing the training;

d) name of person(s) receiving familiarization and MEWP make and model: c) name of person(s) delivering the training;

e) name of person(s) providing familiarization



always inside the tipping lines. maximum chassis inclination specified by the manufacturer, is of the platform area, in all platform configurations at the of groups and types. Group B: MEWPs not in Group A.

Group A: MEWPs on which the vertical projection of the center

Note: Refer to Section 1.1.3 MEWP Classification for application

Type 1 MEWP: MEWP for which travelling is allowed only when

of groups and types.

in the stowed position.

Note: Refer to Section 1.1.3 MEWP Classification for application in the stowed position. Type 1 MEWP: MEWP for which travelling is allowed only when





A.1 Examples of Type 1, Group A MEWPs

A.2 Examples of Type 1, Group B MEWPs





A.4 Examples of Type 2, Group B MEWPs

A.3 Examples of Type 2, Group A MEWPs

on the work platform. platform in the elevated travel position is controlled from a point

Note: Type 2 and type 3 MEWPs can be combined

Type 3 MEWP: MEWP for which travelling with the work







Note: Type 2 and type 3 MEWPs can be combined. platform in the elevated travel position is controlled from a point on the work platform. Type 3 MEWP: MEWP for which travelling with the work

always inside the tipping lines. of the platform area, in all platform configurations at the maximum chassis inclination specified by the manufacturer, is Group A: MEWPs on which the vertical projection of the center



A.6 Examples of Type 3, Group B MEWPs