

ANSI/SAIA A92.22 - 2021

MOBILE ELEVATING WORK PLATFORMS (MEWPS)

SAFE USE

PREVIEW ONLY

SAIA SCAFFOLD & ACCESS
INDUSTRY ASSOCIATION

ANSI
American National Standards Institute

ANSI/SAIA A92.22-2021

Date of Publication: August 15, 2021

This Standard will become effective: August 15, 2021

This Standard was approved by the American National Standards Institute: August 5, 2021

The effective date is established by the standards developer and not by the American National Standards Institute.

This Standard was developed under procedures accredited as meeting the criteria for American National Standards (ANS). The Consensus Committee that approved the Standard was balanced to assure that individuals from competent and concerned interests have had an opportunity to participate. The proposed Standard was made available for public review and comment which provides an opportunity for additional public input from industry, academia, regulatory agencies, and the public at large.

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**ANSI/SAIA
A92.22-2021**

**AMERICAN NATIONAL STANDARD
for the
SAFE USE of
MOBILE ELEVATING
WORK PLATFORMS
(MEWPs)**

PREVIEW ONLY

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Scaffold & Access Industry Association, Inc.

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American National Standards Institute, Inc.

American National Standard

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Published by

Scaffold & Access Industry Association Inc.
400 Admiral Boulevard Kansas City, MO 64106
816.595.4860 • www.saiaonline.org

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Printed in the United States of America

Foreword

This foreword is not part of American National Standard for A92.22-2021

This standard is one of a series on Mobile Elevating Work Platforms developed under the committee procedures of the American National Standards Institute. The accredited A92 standards committee was organized by the Institute in 1948. The Scaffold & Access Industry Association Inc. serves as Secretariat.

The primary objective of this standard is to define rules for safeguarding persons and objects against the risk of accident associated with the operation of mobile elevating work platforms (hereafter referred to as MEWPs).

Interpretations and Suggestions for Improvement

All inquiries requesting interpretation of the Committee's approved American National Standards shall be in writing and directed to the Secretariat. The A92 Committee shall approve the interpretation before submission to the inquirer. No one but the A92 Committee is authorized to provide any interpretation of this standard.

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The A92 Committee solicits comments on and criticism of the requirements of the standards. The standards will be revised from time to time when necessary or desirable, as demonstrated by the experience gained from the application of the standards. Proposals for improvement of this standard will be welcome. Proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed rationale for the proposal including any pertinent documentation.

This Standard was processed and approved for submittal to ANSI by Accredited Standards Committee A92 - Aerial Platforms. The ASC A92 Main Committee's approval of the standard does not necessarily imply that all committee members voted for its approval. At the time the ASC A92 committee approved this standard, the A92 - Aerial Platforms Committee had the following members:

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PREVIEW ONLY

Introduction

This American National Standard is one of a series of standards produced by ANSI/SAIA A92 as part of its program of work regarding standardization of terminology, ratings, general principles (technical performance requirements and risk assessment), safety requirements, test methods, maintenance and operation for elevating work platforms used to raise (elevate) and position personnel (and related work tools and materials).

This Standard, ANSI/SAIA A92.22, along with companion Standards ANSI/SAIA A92.20 and ANSI/SAIA A92.24, have been developed to replace existing Standards ANSI/SAIA A92.3, ANSI/SAIA A92.5, ANSI/SAIA A92.6 and ANSI/SAIA A92.8. The reasoning that led to the development of these three new Standards was: to combine the requirements for MEWPs exhibiting similar configuration and application; to more closely harmonize with existing ISO Standards; and to more closely relate to a specific audience.

PREVIEW ONLY

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

1. Scope and Purpose

1.1 Scope

1.1.1 Equipment Covered

This Standard specifies requirements for application, inspection, training, maintenance, repair and safe operation of Mobile Elevating Work Platforms (hereafter known as MEWPs).

It applies to all types and sizes of MEWPs as specified in ANSI/SAIA A92.20 (design, calculations, safety requirements and test methods) that are intended to position personnel along with their necessary tools and materials, at work locations

Any MEWP covered by this standard is prohibited from use when working on or near equipment or circuits which may be energized (see Section 6.8.12). The operation of any MEWP used for this work shall conform to the requirements of the ANSI/SAIA A92.2 Vehicle Mounted Elevating and Rotating Aerial Devices standard.

1.1.2 Effective Date

This standard will become effective August 15, 2021 for responsibilities for manufacturers, dealers, owners, users, supervisors, operators, occupants, lessors, lessees and brokers for both new and existing units delivered by sale, lease, rental or any form of beneficial use on or after that effective date.

1.1.3 MEWP Classifications

MEWP classifications are made up of a MEWP group (platform location in reference to tipping line) with an associated MEWP type (reference to traveling).

Note: See definitions for Group and Type.

Training shall comply with ANSI/SAIA A92.24 Training Requirements for the Use, Operation, Inspection, Testing and Maintenance of Mobile Elevated Work Platforms (MEWPs) and shall identify both the group and type of the equipment for which training is provided.

NOTE See Appendix A for typical examples of equipment covered by each classification.

1.1.4 Applicability

This American National Standard is not applicable to:

- a) permanently installed personnel-lifting appliances serving defined levels,
- b) fire-fighting and fire rescue appliances,
- c) unguided work cages suspended from lifting appliances,
- d) elevating operator position on rail-dependent storage and retrieval equipment,
- e) tail lifts,
- f) mast-climbing work platforms (see ANSI/SAIA A92.9),
- g) fairground equipment,
- h) lifting tables with a lifting height of less than 2 m (6.56 ft.),
- i) builder's hoists for persons and materials,

- j) aircraft ground-support equipment (see ANSI/SAIA A92.7),
- k) digger derricks,
- l) industrial trucks with elevating operator positions,
- m) insulated aerial devices for use in live work on electrical installations, and
- n) vehicle-mounted elevating and rotating aerial devices (see ANSI/SAIA A92.2).

1.1.5 Compliance

This Standard and all local, state and federal regulations shall be complied with when using, inspecting, maintaining or operating MEWPs.

1.2 Purpose

The objective of this standard is to:

- prevent accidents, personal injuries, and property damage;
- establish requirements for application, inspection, training, maintenance, repair and safe operation;
- establish and provide an understanding of the respective responsibilities of manufacturers, dealers, owners, users, supervisors, operators, occupants, lessors, lessees and brokers; and
- promote safe use of MEWPs.

2. Referenced and Related American National Standards and Related Publications

2.1 Referenced American National Standards

This Standard is intended to be used in conjunction with the following American National Standards. When these referenced Standards are superseded by a revision approved by the American National Standards Institute (ANSI), the revision shall apply:

ANSI/SAIA A92.20, Design Calculations, Safety Requirements and Test Methods for Mobile Elevating Work Platforms (MEWPs)

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

ANSI/SAIA A92.2:2015, Vehicle Mounted Elevating and Rotating Aerial Devices

ANSI/SAIA A92.7:2014 Airline Ground Support Vehicle-Mounted Vertical Lift Devices

2.2 Other Referenced Documents

This Standard shall be used in conjunction with the following documents:

- Manufacturer's make and model operator's manual

3. Definitions

Aerial device: Any device, extensible, articulating or both, which is primarily designed and used to position personnel, designed to the ANSI/SAIA A92.20 standard.

Note: This device can also be used to handle material, if designed and equipped for that purpose.

Anchorage(s): A designated point of attachment utilized with a personal fall protection system.

Authority having jurisdiction: A federal, provincial, territory or municipal ministry, department, board, agency, or commission that has responsibility for regulating by statute the use of products, materials, or services within its jurisdiction.