

**ANSI/SIA A92.9 – 2011**

AMERICAN NATIONAL STANDARD

for

**Mast-Climbing Work Platforms**



**American National Standards  
Institute 11 West 42nd Street New York, New  
York 10036**

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The design and manufacturing requirements of this standard apply to all mast-climbing work platforms manufactured on or after the effective date. All other provisions of this standard apply to both new and existing units delivered by sale, lease, rental or for any form of beneficial use on or after the effective date.

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ANSI/SIA  
A92.9-2011

AMERICAN NATIONAL STANDARD  
for MAST-CLIMBING WORK PLATFORMS

Secretariat  
Scaffold Industry Association, Inc.

Approved February 25, 2011  
American National Standards Institute, Inc

## **AMERICAN NATIONAL STANDARD**

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## FOREWORD

This foreword is not part of American National Standard for Mast-Climbing Work Platforms, ANSI/SIA A92.9-2011.

This standard is one of a series on aerial platforms developed under the committee procedures of the American National Standards Institute. The A92 standards committee was organized by the Institute in 1948. The Scaffold Industry Association, Inc. serves as Secretariat.

The primary objective of this standard is to prevent accidents associated with the use of Mast-Climbing Work Platforms by establishing requirements for design manufacture, installation, maintenance, performance, use and training.

### Interpretations and Suggestions for Improvement

All inquiries requesting interpretation of the Committee's approved American National Standards must 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.

The A92 Committee solicits comments on and criticism of the requirements of the standards. The standards will be revised from time to time where 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.

All requests for interpretation and all suggestions for improvement shall be forwarded in writing to the ASC A92 Committee, c/o Secretariat ~ Scaffold Industry Association, 400 Admiral Boulevard, Kansas City, MO 64106

This Standard was processed and approved for submittal to ANSI by Accredited Standards Committee Aerial Platforms, A92 Aerial Work Platforms. The ASC A92 committee 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 Work Platforms Committee had the following members:

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**1 Scope** This standard applies to Mast Climbing Work Platforms that are primarily used to position personnel, along with their necessary tools and materials, to perform their work. (See Figures 1 and 2 on the following pages for typical examples of equipment covered.) Platforms may be adjustable by manual or powered means.

### 1.1

This standard is applicable to work platforms which are elevated by a drive system and guided by and move along their supporting masts, where the mast may or may not require lateral restraint from separate supporting structures.

### 1.2

This standard is applicable to any combination of the following alternatives:

- a) one or more masts.
- b) mast tied or untied.
- c) mast of fixed or variable length.
- d) masts vertical or inclined between 0° and 30° to the vertical.
- e) masts which are standing or hanging.
- f) movable or static base (chassis, or base frame).
- g) manually or power operated elevation.
- h) towed or self powered ground travel on site, excluding road traffic regulation requirements.
- i) driven using electric, pneumatic, hydraulic motors or internal combustion engines.

### 1.3

This standard identifies the hazards arising during the various phases in the life of such equipment and describes methods for the elimination or reduction of these hazards and for the use of safe working practices.

### 1.4 Effective Dates

The design and manufacturing requirements of this standard apply to all mast-climbing work platforms manufactured on or after the effective date of this standard. All other provisions of this standard apply to both new and existing units delivered by sale, lease, rental or for any form of beneficial use on or after the effective date.

#### 1.4.1 Design, manufacture and remanufacture requirements

The design and manufacturing requirements of this Standard will apply to all Mast Climbing Work Platforms (MCWPs) manufactured on or after the effective date. MCWPs remanufactured on or

after the effective date of this Standard shall comply with the requirements of this Standard.

#### 1.4.2 Rebuild / recondition requirements

Rebuilt / reconditioned MCWPs shall comply with the Standard in effect as of the date of their original manufacture.

#### 1.4.3 Installation requirements

The installation requirements of this Standard apply to all MCWP's installed on or after the effective date.

#### 1.4.4 Responsibilities for dealers, owners, users, operators, lessors, lessees and brokers

All provisions detailed for dealers, owners, users, operators, lessors, lessees and brokers apply to both new and existing units delivered by sale, lease, rental or any form of beneficial use on or after the effective date.

### 1.5

This standard does not specify the requirements for dealing with the hazards involved in the maneuvering, erection or dismantling, fixing or removing of any materials or equipment, which are not part of the Mast Climbing Work Platform (MCWP). Neither does it deal with the handling of specific hazardous materials.

### 1.6

This standard does not specify the requirements for delivering persons and materials to fixed landing levels. Such equipment is referred to as lifts, hoists, or transport platforms and are dealt with by other standards.

### 1.7 Equipment Not Covered

This standard does not apply to equipment listed below:

- a) Ladder and ladder stands such as those covered in American National Standards for Ladder and Ladder Stands. ANSI A14 series.
- b) Scaffolding such as those covered in American National Standard for Construction and Demolition Operations Scaffolding Safety Requirements, ANSI A10.8.
- c) Vehicle mounted elevating and rotating aerial platforms such as those covered in American National Standard for Vehicle Mounted Elevating and Rotating Aerial Devices, ANSI/SIA A92.2.
- d) Non self-propelled elevating aerial platforms such as those covered in American National