

ANSI/SIA A92.2 – 2009

AMERICAN NATIONAL STANDARD

for

**Vehicle-Mounted Elevating
and Rotating Aerial Devices**



American National Standards Institute
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The design and manufacturing requirements of this standard apply to all aerial 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
A92.2-2009

AMERICAN NATIONAL STANDARD
for VEHICLE-MOUNTED ELEVATING
AND ROTATING AERIAL DEVICES

Secretariat
Scaffold Industry Association, Inc.

Approved July 14, 2009
American National Standards Institute, Inc

AMERICAN NATIONAL STANDARD

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FOREWORD

This foreword is not part of American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices, ANSI/SIA A92.2-2009.

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 Vehicle-Mounted Elevating and Rotating Aerial Devices 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, Purpose, Requirements, and Application

1.1 Scope.

1.1.1 Equipment Covered. This standard relates to the following types of vehicle-mounted aerial devices:

- (1) Extensible boom aerial devices.
- (2) Aerial Ladders.
- (3) Articulating boom aerial devices.
- (4) Vertical towers.
- (5) A combination of any of the above. The vehicle may be a truck, a trailer, or an all terrain vehicle.

1.1.2 Equipment Not Covered. This standard does not apply to the equipment listed below:

- (1) Non self-propelled elevating aerial platforms such as covered in American National Standard for Manually-Propelled Elevating Platforms ANSI/SIA A92.3-2006.
- (2) Self-propelled elevating aerial platforms having a platform that can be positioned completely beyond the base such as covered in American National Standard for Boom-Supported Elevating Work Platforms, ANSI/SIA A92.5-2006.
- (3) Self-propelled elevating aerial platforms having a platform that cannot be positioned completely beyond the base such as covered in American National Standard for Self-Propelled Elevating Work Platforms, ANSI/SIA A92.6-2006.
- (4) Vehicle-mounted vertical lift devices such as covered in American National Standard for Airline Ground Support Vehicle-Mounted Vertical Lift Devices, ANSI/SIA A92.7-1998 (1993 reaffirmed in 1998).
- (5) Vehicle-Mounted Bridge Inspection and Maintenance Devices such as covered in ANSI/SIA A92.8-2006.
- (6) Mast Climbing Work Platforms such as covered in ANSI/SIA A92.9-1993.
- (7) Equipment such as covered in ANSI/ASME A120.1- 2006 Safety Requirements for Powered Platforms for Building Maintenance.
- (8) Vertically adjustable equipment used primarily to raise and lower materials and equipment from one elevation to another such as covered in American National Standards in the A17 and B56 series.

(9) Fire-fighting equipment such as covered in American National Standard for Automotive Fire Apparatus, ANSI/NFPA 1901-2003.

(10) Scaffolding such as covered in American National Standard for Construction and Demolition Operations-Scaffolding Safety-Requirements ANSI/ASSE A10.8-2001

(11) Construction and demolition operation digger derricks such as covered in American National Standard for Construction and Demolition Operations - Safety Requirements, Definitions, and Specifications for Digger Derricks, ANSI/ASSE A10.31-2006.

(12) Personnel carrying attachments or personnel platforms attached to or suspended from cranes built to the ANSI/ASTM B30 Standards. These excluded items are referred to in ANSI/ASTM B30.23 which provides guidance for the use of such apparatus on cranes.

1.2 Purpose. This standard applies to the establishment of criteria for design, manufacture, testing, inspection, installation, maintenance, use, training, and operation of vehicle-mounted aerial devices, primarily used to position personnel, installed on a chassis to achieve the following objectives:

- (1) Prevention of personal injuries and accidents.
- (2) Uniformity in ratings.
- (3) Understanding by manufacturers, dealers, brokers, installers, lessees, lessors, maintenance personnel, operators, owners, and users of their respective responsibilities.

1.3 Requirements. The requirements of this standard shall be met or exceeded.

1.4 Application. The design and manufacturing requirements of this standard apply to all aerial devices 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 by any other form of beneficial use on or after the effective date.