

# Vehicle-mounted aerial devices



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# Preface

This is the fifth edition of CSA C225, *Vehicle-mounted aerial devices*. It supersedes the previous editions, published in 2000, 1988, 1976, and 1969.

The purpose of this Standard is to provide criteria for the design, manufacture, testing, inspection, installation, maintenance, use, training, and operation of vehicle-mounted aerial devices to achieve the following objectives:

- (a) prevention of personal injuries and accidents;
- (b) uniformity in ratings; and
- (c) understanding by manufacturers, dealers, installers, maintenance personnel, operators, owners, and users of their respective responsibilities.

This Standard is substantially harmonized with ANSI/SIA A92.2.

This Standard was prepared by the Technical Committee on Vehicle-Mounted Aerial Devices, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee. This Standard will be submitted to the Standards Council of Canada for approval as a National Standard of Canada.

July 2010

## Notes:

- (1) Use of the singular does not exclude the plural (and vice versa) when the sense allows.
- (2) Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.
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# C225-10

## Vehicle-mounted aerial devices

### 1 Scope

#### 1.1 Purpose

The purpose of this Standard is to establish criteria for the design, manufacture, testing, inspection, installation, maintenance, use, and operation of vehicle-mounted aerial devices installed on a chassis, primarily used to position personnel, and for the training of operators for that equipment, to achieve the following objectives:

- (a) prevention of personal injuries and accidents;
- (b) uniformity in ratings; and
- (c) understanding by manufacturers, dealers, installers, maintenance personnel, operators, owners, and users of their respective responsibilities.

#### 1.2 Equipment

##### 1.2.1 Equipment covered

This Standard applies to the following types of vehicle-mounted aerial devices:

- (a) extensible boom aerial device;
- (b) aerial ladder;
- (c) articulating boom aerial device;
- (d) vertical tower; and
- (e) a combination of Items (a) to (d).

The vehicle can be a truck, trailer, or all-terrain vehicle.

##### 1.2.2 Equipment not covered

This Standard does not apply to the following equipment:

- (a) portable elevating aerial platforms, which are covered in CAN/CSA-B354.1;
- (b) self-propelled elevating aerial platforms having a platform that cannot be positioned completely beyond the base, which are covered in CAN/CSA-B354.2;
- (c) self-propelled elevating aerial platforms having a platform that can be positioned completely beyond the base, which are covered in CAN/CSA-B354.4;
- (d) vehicle-mounted vertical lift devices for airline ground support, which are covered in ANSI/SIA A92.7;
- (e) vehicle-mounted bridge inspection and maintenance devices, which are covered in ANSI/SIA A92.8;
- (f) mast-climbing work platforms, which are covered in CAN/CSA-B354.5;
- (g) mobile cranes, which are covered in CAN/CSA-Z150;
- (h) suspended elevating platforms, which are covered in CSA Z271;
- (i) fire-fighting equipment, which is covered in NFPA 1901;
- (j) construction and demolition operation digger derricks, which are covered in ANSI/ASSE A10.31;
- (k) powered crane tip-mounted personnel-carrying attachments; and
- (l) personnel platforms attached to the crane boom or suspended by hooks.

**Note:** Where the above Standards refer to ANSI/SIA A92.2, this Standard should be referred to.

#### 1.3 Application

The requirements of [Clause 4](#) and those in [Clauses 5](#) and [6](#) relating to manufacturers apply to those aerial devices manufactured 6 months after the date of publication of this Standard. All other provisions of this Standard apply to both new and existing aerial platforms and become effective at the time of publication of this Standard.