



**CSA
Group**

B354.10-17/B354.11-17

**Safe use and best practices for mast
climbing work platforms (MCWPs)/
Training for mast climbing work
platforms (MCWPs)**



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Preface

This is the first edition of CSA B354.10/B354.11, *Safe use and best practices for mast climbing work platforms (MCWPs)/ Training for mast climbing work platforms (MCWPs)*.

With respect to design and manufacturing criteria, these Standards are closely harmonized with the equivalent ISO 16369, *Elevating work platforms — Mast-climbing work platforms*.

This Standard was prepared by the Technical Committee on Elevating Work Platforms, under the jurisdiction of the Strategic Steering Committee on Occupational Health and Safety, and has been formally approved by the Technical Committee.

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.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include “Request for interpretation” in the subject line:*
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 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at standardsactivities.csa.ca.

- 5) *This Standard is subject to review within five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include “Proposal for change” in the subject line:*
 - a) *Standard designation (number);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

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B354.10-17

Safe use and best practices for mast climbing work platforms (MCWPs)

1 Scope

1.1 General

1.1.1

This Standard applies to mast-climbing work platforms (MCWPs) that are primarily used to provide a working surface for personnel, along with their necessary tools and materials, at elevated work locations.

1.1.2

This Standard applies to MCWPs that include the following features (see Figures 1, 2, and 3):

- a) one or more work platforms;
- b) one or more masts that are
 - i) free-standing or laterally supported above their bases;
 - ii) of fixed or variable height;
 - iii) vertical or inclined between 0 and 30° to the vertical; and
 - iv) vertically supported only at their bottom or top;
- c) movable or static base (chassis, or base frame) capable of transfer at a work site by self-propulsion or towing or any lifting device; and
- d) an elevating mechanism that is manually or power operated. Raising and lowering speeds are limited to a maximum of 0.20 m/s (0.8 ft/s).

1.2 Purpose

The purpose of this Standard is to specify minimum requirements for the establishment of criteria for safe use and best practices in order 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.

MCWPs are generally intended for use over level surfaces. Normally, they are not insulated for use near electrically energized circuits, nor are they intended to be used in hazardous locations. For aerial platforms intended for use near electrically energized circuits, see CAN/CSA-C225. The operation of MCWPs is subject to certain hazards and therefore needs to be performed by competent, careful personnel trained in the intended use, safe operation, maintenance, and servicing of MCWPs.

1.3 Application

This Standard applies to MCWPs manufactured after the date of publication of this Standard. This Standard applies to the installation and use of MCWPs after the date of publication of this Standard.

1.4 Equipment not covered

This Standard does not apply to

- a) vehicle-mounted aerial devices covered by CAN/CSA-C225;
- b) non-self-propelled elevating rolling work platforms covered by CAN/CSA-B354.1;
- c) self-propelled elevating work platforms covered by CAN/CSA-B354.2;
- d) self-propelled boom-supported elevating work platforms covered by CAN/CSA-B354.4;
- e) construction hoists used to raise and lower materials and personnel covered by CAN/CSA-Z185 and CAN/CSA-Z256;
- f) mobile cranes covered by CSA Z150;
- g) vehicle-mounted vertical lift devices covered by ANSI/SAIA A92.7;
- h) vehicle-mounted bridge inspection and maintenance devices covered by ANSI/SAIA A92.8;
- i) permanently installed (non-mobile) elevating lifts used to transport personnel between different elevations; and
- j) firefighting equipment.

1.5 Terminology

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the Standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.6 Measurement

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

CSA Group

CAN/CSA-B354.1-04 (R2016)

Portable elevating work platforms

CAN/CSA-B354.2-01 (R2013)

Self-propelled elevating work platforms

CAN/CSA-B354.4-02 (R2013)

Self-propelled boom-supported elevating work platforms