

Australian/New Zealand Standard™

Cranes, hoists and winches

Part 10: Mobile elevating work platforms



AS/NZS 1418.10:2011

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The following are represented on Committee ME-005:

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Australian Institute for Non-Destructive Testing
Bureau of Steel Manufacturers of Australia
Construction and Mining Equipment Industry Group
Consult Australia
Crane Association of New Zealand
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(Incorporating Amendment No. 1)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-005 Cranes, to supersede AS 1418.10(Int)—2004, *Cranes, hoists and winches*, Part 10: *Elevating work platforms*.

This Standard incorporates Amendment No. 1 (September 2017). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to address the requirements for mobile elevating work platforms (MEWPs) in general and, in addition, those intended for specific applications such as use near live electrical conductors, or operation in orchards where specific design requirements are necessary to address the risks associated with the intended use. Additional requirements are also specified for portable MEWPs.

In the preparation of this Standard cognizance was taken of ISO 16368, *Mobile Elevating Work Platforms—Design, Calculations, Safety Requirements and Test Methods*.

This revision includes the following significant changes:

- (a) Sections 1 to 4 follow largely the requirements specified in ISO 16368. However, the reader is cautioned that some significant deviations from that Standard have been incorporated.
- (b) The introduction of specific requirements for safety devices taking cognizance of the requirements in EN 280, *Mobile Elevating Work Platforms—Design Calculations—Stability Criteria—Construction—Safety—Examinations and Tests*.
- (c) The introduction of load- and moment-sensing systems.
- (d) Requirements for insulated MEWPs have been combined into a separate section.
- (e) Revision to the ‘ring test’ used to verify the extent of low-voltage cover insulation on insulated MEWPs.
- (f) Clarification of requirements relating to basket insulation.
- (g) Clarification of insulation classes and marking.
- (h) The requirement for insulation test procedures to be developed in accordance with this Standard and documented by the manufacturer.
- (i) The introduction of requirements for MEWPs intended for exclusive use in orchards.
- (j) The introduction of requirements for portable MEWPs.
- (k) Explanatory notes on the changes for electrically insulated MEWP appear in Appendix B.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

At the time of publication of this Standard technical solutions to meet the requirements of Clauses 2.3.1.2, 2.3.1.4 and 2.3.4 may not be available for certain classes of MEWP.

The respective jurisdictional authority may specify the requirements of Clauses 2.3.1.2, 2.3.1.4 and 2.3.4 for uninsulated/insulated MEWPS including effective dates.

Australia and New Zealand have different requirements for insulated MEWPs (see Section 7).

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