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Mobile elevating work platforms — Safety principles, inspection, maintenance and operation

Plates-formes élévatrices mobiles de personnel — Principes de sécurité, inspection, entretien, mise en oeuvre et utilisation

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 214, *Elevating work platforms*.

This third edition cancels and replaces the second edition (ISO 18893:2014), which has been technically revised.

The main changes are as follows:

— the Scope was updated to clarify the purpose of the document and its applicability to both new MEWPs on the market and those currently in service;

— in Clause 3, additional terms were added to support the clarifications on MEWP groups and types throughout the document;

— in Clause 4, changes were made to the modification requirements (manufacturer modifications versus owner modifications);

— in Clause 6, requirements were broadened for operator training to include topics such as authorization, supervisor training and operator retraining;

— the original Annex containing examples of misuse was deleted, and a new Annex A was added to show examples of each group and type MEWP.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

This document, as other documents on mobile elevating work platforms (MEWPs), is part of a programme of work regarding standardization of terminology, ratings, general principles (technical performance requirements and risk assessment), safety requirements, test methods, maintenance, and operation for MEWPs used to raise (elevate) and position personnel (and related work tools and materials).

MEWPs are machines/devices which provide protection from falling when working at height.

The entities with responsibilities related to safe use of a MEWP are established by law in some countries. This document provides guidance in the identification of those responsible entities.

The responsibility for safe operation of a MEWP lies with employers, managers, supervisors, operators, and others using these machines/devices. This document provides requirements so that appropriate MEWPs are selected for use and positioned, used, maintained and inspected for safe use.

The use of competent authorized persons and trained operators (see ISO 18878) is critical to the safe operation of a MEWP.

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Mobile elevating work platforms — Safety principles, inspection, maintenance and operation

1 Scope

This document applies to all mobile elevating work platforms (MEWPs) intended for moving a person(s) along with their necessary tools and materials at an elevated work location.

This document specifies the requirements for selection, inspection, training, maintenance, repair and safe operation of MEWPs to achieve the following objectives:

a) eliminate or reduce accidents, personal injuries and property damage;

b) establish criteria for selection, inspection, training, maintenance, repair and safe operation;

c) help manufacturers, dealers, owners, users, operators, occupants and qualified persons to understand their responsibilities;

d) establish a process for reviews to verify compliance with this document;

e) provide a guide for governmental authorities desiring to formulate safety rules and regulations.

In this document, MEWP classifications comprise a MEWP group (platform location in reference to tipping line) with an associated MEWP type (reference to travelling).

This document is applicable to both new MEWPs put on the market and those MEWPs currently in service.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 18878, *Mobile elevating work platforms — Operator (driver) training*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
anchorage
designated point of attachment utilized with a personal fall protection system

3.2
authorized person
person approved or assigned to perform a specific type of duty or duties at a specific location or locations at a work site

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