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Rough-terrain trucks — Visibility test methods and their verification —

Part 1: Variable-reach trucks

Chariots tout-terrain — Méthodes d'essai de la visibilité et leur vérification —

Partie 1: Chariots à portée variable

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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 documents 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 4, *Rough-terrain trucks*.

This corrected version of ISO 18063-1:2016 incorporates the following corrections:

- the illustration of a load has been removed from Figure 3;
- the second and third title elements have been combined into a single element, *Visibility test methods and their verification*;
- the listing of normative reference ISO 5053-1 has been transferred from the Bibliography to Clause 2.
- hyperlinked references to terminological databases have been added in Clause 3.

A list of all parts in the ISO 18063 series can be found on the ISO website.

Introduction

This document is a type-C standard as stated in ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the Scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or -B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

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Rough-terrain trucks — Visibility test methods and their verification —

Part 1: Variable-reach trucks

1 Scope

This document applies to rough-terrain variable-reach trucks (hereinafter referred to as 'trucks') that have a specific seated operator's position on the left-hand side of the boom or centre position (excluding operator position on the right side of the boom).

This document specifies a static test method for determining and evaluating the operator's visibility on a rectangular 1 m boundary around the rough-terrain variable-reach truck and on a 12 m radius visibility test circle. Performance requirements for visibility are specified in this document.

This document does not apply to

- trucks designed to handle freight containers (reach stackers),
- articulated telescopic wheel loaders,
- slewing trucks, or
- lorry mounted trucks.

NOTE The method used does not capture all of the aspects of the operator's visibility, but provides information to assist in determining the acceptability of visibility from the truck.

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 5053-1, *Industrial trucks — Terminology and classification — Part 1: Types of industrial trucks*

ISO 5353, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point*

ISO 12100, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10896-1, ISO 5053-1 and ISO 12100 and the following apply.

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

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>