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Rough-terrain trucks — User requirements —

Part 5: Interface between rough-terrain truck and integrated personnel work platform

Chariots tout-terrain — Exigences pour l'utilisateur —

Partie 5: Interface entre le chariot et la plateforme de travail intégrée

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Foreword

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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 WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 110, *Industrial trucks*, Subcommittee SC 4, *Rough-terrain trucks*.

ISO 11525 consists of the following parts, under the general title *Rough-terrain trucks — User requirements*:

— *Part 1: General requirements*

— *Part 2: Slewing variable-reach trucks*

— *Part 4: Additional requirements for variable-reach trucks handling freely suspended loads*

— *Part 5: Interface between rough-terrain truck and integrated personnel work platform*

The following parts are planned:

— *Part 6: Agricultural applications*

Introduction

Rough-terrain trucks, when allowed, can be fitted with an integrated or non-integrated personnel work platform (PWP) which is designed to elevate personnel and materials to elevated work heights. The interface between the truck and the integrated PWP is an essential element to the safety of personnel in the integrated PWP.

This part of ISO 11525 only deals with the interface between a rough-terrain truck and an integrated personnel work platform (PWP), hereafter referred to as integrated PWP, which in this case is considered as interchangeable equipment.

See ISO 18479-2 for user requirements for rough-terrain trucks fitted with a non-integrated personnel work platform (PWP).

Rough-terrain trucks — User requirements —

Part 5: Interface between rough-terrain truck and integrated personnel work platform

1 Scope

This part of ISO 11525 defines user requirements for the interface between a non-slewing or slewing variable-reach rough-terrain truck (hereafter referred to as truck) and an integrated work platform (hereafter referred to as integrated PWP).

It is intended to achieve the following:

— the prevention of personal injuries, property damage, and accidents;

— the establishment of criteria for inspection, maintenance, operation, and training.

NOTE 1 National or local requirements can apply, which could be more stringent.

It does not address the user requirements related to the truck itself or the user requirements for the integrated PWP that is fitted.

NOTE 2 User requirements for variable-reach trucks are given in ISO 11525-1.

NOTE 3 User requirements for slewing variable-reach trucks are given in ISO 11525-2.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 10896-1, *Rough-terrain trucks — Safety requirements and verification — Part 1: Variable-reach trucks*

ISO 10896-2, *Rough-terrain trucks — Safety requirements and verification — Part 2: Slewing variable-reach trucks*

ISO 10896-5, *Rough-terrain trucks — Safety requirements and verification — Part 5: Interface between rough-terrain truck and integrated personnel work platform*

ISO 11525-1, *Rough-terrain trucks - User requirements — Part 1: General requirements*

ISO 11525-2, *Rough-terrain trucks — User requirements — Part 2: Slewing variable-reach trucks*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10896-1, ISO 10896-2, ISO 10896-5, ISO 11525-1, and ISO 11525-2 apply.

4 General safety requirements

4.1 Principles

This part of ISO 11525 shall be supplemented by good management practices, safety controls, and application of sound principles of safety, training, inspection, maintenance, application selection, and operation. All data available regarding the parameters of intended use and expected environment shall be considered. Those with direct control over the application and operation of the interface between a truck and the integrated PWP shall be responsible for ensuring good safety practices.

NOTE Different operating conditions can require additional safety precautions, training, and special safe operating procedures.

The operation of this interface is subject to certain hazards that can be protected against only by the exercise of care and common sense. It is essential to have competent persons trained in the intended use, safe operation, maintenance, and service of this equipment.

The user shall ensure that the operator understands that safe operation of this interface is also the operator's responsibility.

The user shall ensure that the operator's mental or physical condition will not impair his/her ability to operate this interface.

4.2 Operator's manual

The user shall ensure that the operator's manual and any additional safety manuals provided by the manufacturer with the interface are always available to the operator and maintenance personnel.

4.3 Modifications or alterations

The user shall comply with the requirements of ISO 11525-1 or ISO 11525-2, as applicable, in regards to modifications or alterations.

4.4 Manufacturer's bulletins

The user shall comply with the applicable bulletins as directed by the responsible entity.

4.5 Operator qualifications

Users shall allow only competent and authorized persons to operate the interface. Truck operators shall be competent to operate the equipment safely, in addition to being trained in accordance with ISO 11525-1 or ISO 11525-2, as applicable.

4.6 Operator's responsibility for training

Before operating the interface, the operator shall be trained in accordance with ISO 11525-1 or ISO 11525-2, as applicable, and shall have read and be familiar with the operator's manual(s) and any other safety information provided by the manufacturer and user on the particular interface being operated, the application, and environment in which the interface is to be used.

4.7 Operator training

4.7.1 Operator training programme

Personnel who are not considered competent to operate an interface shall operate the interface only as part of the operator training programme. This training shall be conducted under the direct supervision of a trainer.

The training programme shall emphasize safe and proper operation that avoids injury to the operator and others and prevents property damage. The training program shall include the following items:

a) information about the interface the trainee will operate pointing out that

   1) the truck manufacturer shall have approved the interface between the truck and the integrated PWP,

   2) operating and safety instructions are in the truck's operator's manual, and

   3) inspections and maintenance may need to be performed by the operator;

b) operation and worksite-related topics pointing out that

   1) all components of the interface, including the quick coupling device, if fitted, should be in place and operating properly in accordance with the manufacturer's instructions,

   2) the integrated PWP is securely attached to the truck prior to use,

   3) the integrated PWP engagement system shall be securely in place at all attaching points,

   4) the locking system shall be in place and that the engagement system shall be retained, and

   5) prior to uncoupling the interface from the truck

      i) there should be no occupants in the integrated PWP,

      ii) the integrated PWP be on the ground, and

      iii) there is sufficient clearance around the truck and integrated PWP.

4.7.2 Testing, retraining, enforcement, and record keeping

Testing, retraining, enforced, and record keeping shall be in accordance with ISO 11525-1 or ISO 11525-2, as applicable.

4.8 Inspection and maintenance

4.8.1 General

The inspection and maintenance of the interface shall be performed in accordance with the manufacturer's and user's recommendations, national regulations and

a) a planned system for scheduled inspection, lubrication, maintenance and adjustment (as required), and

b) that only competent and authorized persons are permitted to maintain, repair, rebuild, adjust and inspect the interface, in accordance with the manufacturer's recommendations.

4.8.2 Cable and connections

In addition to the inspection and maintenance requirements of ISO 11525-1 or ISO 11525-2, as applicable, the user shall direct the operator to ensure that all electrical connections that are part of the interface

a) are inspected for possible damage or wear, and

b) are properly connected with the controls on the integrated PWP.