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**Earth-moving machinery — Operator's  
manual —**

**Part 2:  
List of references**

*Engins de terrassement — Manuel de l'opérateur —*

*Partie 2: Liste de références*  
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# Contents

	Page
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 References for information to be included in operator's manual .....	1
Bibliography .....	4

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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](http://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](http://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 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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 3, *Machine characteristics, electrical and electronic systems, operation and maintenance*.

This second edition cancels and replaces the first edition (ISO/TR 6750-2:2020), which has been technically revised.

The main changes compared to the previous edition are as follows:

- references to clauses in [Table 1](#) have been updated;
- EN ISO versions of the referenced standard have been removed when they are identical to the ISO version;
- ISO 14401-2 has been added to [Table 1](#).

A list of all parts in the ISO 6750 series can be found on the ISO website.

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](http://www.iso.org/members.html).

## Introduction

This document is published as a Technical Report to allow it to be updated as changes are made to any of the referenced standards or as other standards are published that provide requirements for information to be included in the operator's manual.

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# Earth-moving machinery — Operator's manual —

## Part 2: List of references

### 1 Scope

This document provides a list of standards, referenced in ISO 20474-1 and EN 474-1, that include requirements for information to be included in the operator's manual. This list of standards is being provided as guidance in creating operator's manuals.

### 2 Normative references

There are no normative references in this document.

### 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological 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/>

### 4 References for information to be included in operator's manual

[Table 1](#) contains a list of standards referenced in ISO 20474-1 and EN 474-1 which makes reference to information to be included in the operator's manual, if applicable, that are not already included in ISO 6750-1.

NOTE 1 Subject titles are either selected from all of or part of the cited ISO titles, e.g. from ISO 5006 "*Earth-moving machinery — Operator's field of view — Test method and performance criteria*" to "operator's field of view", and from ISO 14990-1 "*Earth-moving machinery — Electrical safety of machines utilizing electric drives and related components and systems — Part 1: General Requirements*" to "electric drive systems".

NOTE 2 The subjects are listed in alphabetical order.

Table 1 — References for information to be included in operator's manual

Subject	Reference	Clause
access systems	ISO 2867:2011, <i>Earth-moving machinery — Access systems</i>	4.1.3
		4.1.8
		4.1.11
		4.1.12
		4.1.14
		6.4
		B.5
	ISO 14122-4:2016, <i>Safety of machinery — Permanent means of access to machinery — Part 4: Fixed ladders</i>	7.1
		7.2
brakes	ISO 3450:2011, <i>Earth-moving machinery — Wheeled or high-speed rubber-tracked machines — Performance requirements and test procedures for brake systems</i>	4.12.1
		4.12.2
		4.12.3
	ISO 10265:2008, <i>Earth-moving machinery — Crawler machines — Performance requirements and test procedures for braking systems</i>	7
	ISO 17063:2003, <i>Earth-moving machinery — Braking systems of pedestrian-controlled machines — Performance requirements and test procedures</i>	6.2.1
dumper body support and operator's cab tilt support devices	ISO 13333:1994, <i>Earth-moving machinery — Dumper body support and operator's cab tilt support devices</i>	5.2
electric drive systems	<a href="https://standards.iteh.ai/catalog/standards/sist/722b7e2e-a5d9-4b80-8446-759-2">https://standards.iteh.ai/catalog/standards/sist/722b7e2e-a5d9-4b80-8446-759-2</a> ISO 14990-1:2016, <i>Earth-moving machinery — Electrical safety of machines utilising electric drives and related components and systems — Part 1: General Requirements</i>	4.1
		4.5.3
		5.2
		10.3
		15.6
electromagnetic compatibility	ISO 13766-1:2018, <i>Earth-moving and building construction machinery — Electromagnetic compatibility (EMC) of machines with internal electrical power supply — Part 1: General EMC requirements under typical electromagnetic environmental conditions</i>	5
lift arm support devices	ISO 10533:1993/A1:2005, <i>Earth-moving machinery — Lift-arm support devices</i>	5.2
lifting and tying-down	ISO 15818:2017, <i>Earth-moving machinery — Lifting and tying-down attachment points — Performance requirements</i>	5.3.1, Table 5
		6.1
		7.3
		7.5
		8
		Annex A
		B.2.2
		B.3.5
B.4		
object detection systems and visibility aids	ISO 16001:2017, <i>Earth-moving machinery — Object detection systems and visibility aids — Performance requirements and tests</i>	6



Table 1 (continued)

Subject	Reference	Clause
operator's field of view	ISO 5006:2017, <i>Earth-moving machinery — Operator's field of view — Test method and performance criteria</i>	10.2 10.4 12
	ISO 14401-2, <i>Earth-moving machinery — Field of vision of surveillance and rear-view mirrors — Part 2: Performance criteria</i>	6
product identification number	ISO 10261:2002/A1:2015, <i>Earth-moving machinery — Product identification numbering system</i>	6.2.2 8
quick coupler	ISO 13031:2016, <i>Earth-moving machinery — Quick Couplers — Safety</i>	5.2.1
retrieval devices	ISO 10532:1995/Amd. 1:2004, <i>Earth-moving machinery — Machine-mounted retrieval device — Performance requirements</i>	4.7
ROPS	ISO 12117-2:2008/A1:2016, <i>Earth-moving machinery — Laboratory tests and performance requirements for protective structures of excavators — Part 2: Roll over protective structures (ROPS) for excavators of over 6 t</i>	11
declaration of sound emission data and uncertainty	ISO 6395:2008, <i>Earth-moving machinery — Determination of sound power level — Dynamic test conditions</i>	10.2
steering system	ISO 5010:2019, <i>Earth-moving machinery — Wheeled machines — Steering requirements</i>	10.2
travel warning alarm	ISO 9533:2010, <i>Earth-moving machinery — Machine-mounted audible travel alarms and forward horns — Test methods and performance criteria</i>	8.3
winches	ISO 19472:2006, <i>Machinery for forestry — Winches — Dimensions, performance and safety</i> <a href="https://standards.iteh.ai/catalog/standards/sist/722b7e2e-a5d9-4b80-8446-d966a11f99e5/iso-tr-6750-2-2021">ISO/TR 6750-2:2021</a>	7.1
remote operator control	<a href="https://standards.iteh.ai/catalog/standards/sist/722b7e2e-a5d9-4b80-8446-d966a11f99e5/iso-tr-6750-2-2021">https://standards.iteh.ai/catalog/standards/sist/722b7e2e-a5d9-4b80-8446-d966a11f99e5/iso-tr-6750-2-2021</a>	4.3
	ISO 15817:2012, <i>Earth-moving machinery — Safety requirements for remote operator control systems</i>	4.4.2.1 4.10.1
		6

## Bibliography

- [1] EN 474-1, *Earth-moving machinery — Safety*
- [2] ISO 6750-1, *Earth-moving machinery — Operator's manual — Part 1: Contents and format*
- [3] ISO 20474-1, *Earth-moving machinery — Safety — Part 1: General requirements*

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