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## Earth-moving machinery — Operator's manual — Content and format

*Engins de terrassement — Manuel de l'opérateur — Présentation et  
contenu*



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 6750 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 3, *Operation and maintenance*.

This third edition cancels and replaces the second edition (ISO 6750:1984), which has been technically revised.

## Introduction

In the preparation of this International Standard consideration has been given to the fact that user manuals are expected to be available for both operators and mechanics. Operators need to have available a manual giving guidance for the correct use and routine basic preventive maintenance of the machine and its equipment and attachment(s). It is accordingly expected that such a manual be clear and simple to understand, that it contain warnings for foreseeable hazards as well as definitions of terms, and that the units, symbols and pictorials used comply with the relevant International Standards.

This edition has been prepared such that it is aligned with the similar technical area covered by ISO 3600.

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# Earth-moving machinery — Operator's manual — Content and format

## 1 Scope

This International Standard specifies the content and gives guidance on the format of operator's manuals for earthmoving machinery as defined in ISO 6165. It is intended to assist manufacturers of the machinery in the drafting and presentation of these manuals.

## 2 Normative references

The following referenced documents are indispensable for the application 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 6014, *Earth-moving machinery — Determination of ground speed*

ISO 6165, *Earth-moving machinery — Basic types — Vocabulary*

ISO 6405-1, *Earth-moving machinery — Symbols for operator controls and other displays — Part 1: Common symbols*

ISO 6405-2, *Earth-moving machinery — Symbols for operator controls and other displays — Part 2: Specific symbols for machines, equipment and accessories*

ISO 6746-1, *Earth-moving machinery — Definitions of dimensions and codes — Part 1: Base machine*

ISO 6746-2, *Earth-moving machinery — Definitions of dimensions and codes — Part 2: Equipment and attachments*

ISO 6747, *Earth-moving machinery — Tractor-dozers — Terminology and commercial specifications*

ISO 6749, *Earth-moving machinery — Preservation and storage*

ISO 7096, *Earth-moving machinery — Laboratory evaluation of operator seat vibration*

ISO 7131, *Earth-moving machinery — Loaders — Terminology and commercial specifications*

ISO 7132, *Earth-moving machinery — Dumpers — Terminology and commercial specifications*

ISO 7133, *Earth-moving machinery — Tractor-scraper — Terminology and commercial specifications*

ISO 7134, *Earth-moving machinery — Graders — Terminology and commercial specifications*

ISO 7135, *Earth-moving machinery — Hydraulic excavators — Terminology and commercial specifications*

ISO 7136, *Earth-moving machinery — Pipelayers — Terminology and commercial specifications*

ISO 7457, *Earth-moving machinery — Determination of turning dimensions of wheeled machines*

ISO 8811, *Earth-moving machinery — Rollers and compactors — Terminology and commercial specifications*

ISO 8812, *Earth-moving machinery — Backhoe loaders — Definitions and commercial specifications*

ISO 9244, *Earth-moving machinery — Safety signs and hazard pictorials — General principles*

ISO 10261, *Earth-moving machinery — Product identification numbering system*

ISO 13539, *Earth-moving machinery — Trenchers — Definitions and commercial specifications*

ISO 15219, *Earth-moving machinery — Cable excavators — Terminology and commercial specifications*

### 3 Terms and definitions

For the purposes of this document the terms and definitions given in ISO 6165 and the following apply.

#### 3.1

##### **left-hand side**

side which is on the left when an observer is facing in the normal forward direction of travel of the machine

[ISO 3600:1996, definition 3.1]

#### 3.2

##### **right-hand side**

side which is on the right when an observer is facing in the normal forward direction of travel of the machine

[ISO 3600:1996, definition 3.2]

#### 3.3

##### **operator's manual**

document describing and illustrating the safe operation, maintenance and safety precautions related to an earthmoving machine

#### 3.4

##### **jobsite organization**

rules and procedures for the jobsite that coordinate machines and people working together

**EXAMPLE** Safety instructions, traffic patterns, restricted areas, operator and jobsite training, machine and vehicle marking, restrictions on travelling in reverse, communication systems.

### 4 Content of operator's manual

#### 4.1 General

The operator's manual(s) shall

- a) contain provisions for the need for a well-trained and competent operator as well as a description of the circumstances under which personnel protection equipment is necessary,
- b) include instructions clearly requiring the operator to immediately remedy faults that would compromise safety,
- c) provide information on the intended use of the machine (see 4.6),
- d) give the manufacturer's instructions for operation and maintenance of the machine and the equipment and attachments permitted by the manufacturer to be used with it, including the precautions to be taken for minimizing hazards,