
Earth-moving machinery — Safety —
Part 14:
Information on national and regional
provisions

Engins de terrassement — Sécurité —

Partie 14: Information sur les dispositions nationales et régionales



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web 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.

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.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

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/TS 20474-14 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 2, *Safety requirements and human factors*.

ISO 20474 consists of the following parts, under the general title *Earth-moving machinery — Safety*:

- *Part 1: General requirements*
- *Part 2: Requirements for tractor-dozers*
- *Part 3: Requirements for loaders*
- *Part 4: Requirements for backhoe-loaders*
- *Part 5: Requirements for hydraulic excavators*
- *Part 6: Requirements for dumpers*
- *Part 7: Requirements for scrapers*
- *Part 8: Requirements for graders*
- *Part 9: Requirements for pipelayers*
- *Part 10: Requirements for trenchers*

- *Part 11: Requirements for earth and landfill compactors*
- *Part 12: Requirements for cable excavators*
- *Part 13: Requirements for rollers*
- *Part 14: Information on national and regional provisions* [Technical Specification]

Introduction

For the purposes of global relevance, this Technical Specification presents provisions applicable in Australia, the European Union, Japan or the United States of America that are mandatory for compliance with specific governmental laws, directives or regulations in force in the particular country or region.

It is complementary to the other parts of ISO 20474 and is provided for information.

NOTE Other countries or regions may also have regional requirements.

Earth-moving machinery — Safety —

Part 14:

Information on national and regional provisions

1 Scope

This part of ISO 20474 presents amendments, exceptions and requirements additional to the safety requirements for earth-moving machinery given in the other parts of ISO 20474, in conjunction with which it is intended to be used. These provisions are specific to Australia, the EU, Japan or the USA, and relate to laws, directives or regulations in force in the applicable country or region, as well as to other national and international standards, including ISO International Standards.

2 National/regional provisions related to ISO 20474-1 — General

2.1 Australia

See Table 1.

NOTE For additional Australian provisions, see AS/NZS 2080, AS 1418.8, AS 3868, AS 4457-1 and AS 4772.

Table 1 — Amendments, exceptions and requirements additional to ISO 20474-1 specific to Australia

Subclause of ISO 20474-1	Australian provision(s)
4.2.1	The height of the first step from the ground to the machine should not exceed 400 mm when the machine is parked on level ground, in accordance with AS 3868:1991, 3.2.2.
4.3.2.9	Windows shall be made of safety glass or other material, which provides similar safety performance, see AS/NZS 2080.
4.9	Reverse alarms shall be fitted to all earthmoving machinery. The test procedure shall be in accordance with ISO 9533.
4.10	Rims and wheel assemblies shall be identified in accordance with the requirements of AS 4457-1.
4.12	Earth-moving machinery used to lift freely suspended loads shall meet the requirements of AS 1418.8:2008, Section 5.
4.12.1	Lifting lugs shall not be fitted to the shell of earthmoving machinery buckets as per AS 4772.
4.20	Requirements for fire protection for mobile and transportable equipment, see AS 5062.

2.2 European Union (EU)

See Table 2.

NOTE 1 For the list of significant hazards, see EN 474-1:2006, Annex A.

NOTE 2 For the relation to EU Directives, see EN 474-1:2006, Annex ZA.

Table 2 — Amendments, exceptions and requirements additional to ISO 20474-1 specific to EU

Subclause of ISO 20474-1	EU provision(s)
3.1.2	EN 474-1:2006, 3.1.2
—	EN 474-1:2006, Clause 4
4.3.1.1	EN 474-1:2006, 5.3.1.1
4.3.1.2	EN 474-1:2006, 5.3.1.2
4.3.1.5	EN 474-1:2006, 5.3.1.5
4.3.2.5	EN 474-1:2006, 5.3.2.5
4.3.2.6	EN 474-1:2006, 5.3.2.6
4.3.2.9	EN 474-1:2006, 5.3.2.9
4.3.5	EN 474-1:2006, 5.3.5
4.4.1.4	EN 474-1:2006, 5.4.1.4
4.5.1	EN 474-1:2006, 5.5.1
4.8.2	EN 474-1:2006, 5.8.2
4.9	EN 474-1:2006, 5.9
4.12.1	EN 474-1:2006, 5.12.1
4.13.1	EN 474-1:2006, 5.13.1.
4.14.2	EN 474-1:2006, 5.14.2
4.14.4	EN 474-1:2006, 5.14.4
4.14.7	EN 474-1:2006, 5.14.7
4.15.2	EN 474-1:2006, 5.15.2
4.15.3	EN 474-1:2006, 5.15.3
4.15.4	EN 474-1:2006, 5.15.4
4.15.5	EN 474-1:2006, 5.15.5
4.16	EN 474-1:2006, 5.16
4.18.1	EN 474-1:2006, 5.18.1
4.19.3	EN 474-1:2006, 5.19.3
4.19.4	EN 474-1:2006, 5.19.4
4.21	EN 474-1:2006, 5.21
4.22.4	EN 474-1:2006, 5.22.4
4.22.5	EN 474-1:2006, 5.22.5
4.23	EN 474-1:2006, 5.23
4.24	Not applicable
6.1	EN 474-1:2006, 7.1
6.2	EN 474-1:2006, 7.2
6.3	EN 474-1:2006, 7.3