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Earth-moving machinery — Methods of measuring the masses of whole machines, their equipment and components

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Better Regulation Division — SafeWork NSW
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Earth-moving machinery — Methods of measuring the masses of whole machines, their equipment and components

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Preface

This Standard was prepared by the Standards Australia Committee ME-063, Earthmoving Equipment.

The objective of this document is to specify methods for measuring the masses of whole earth-moving machines, their equipment, attachments or components, using weighbridges or force transducers. It also defines the terms related to these masses.

It is applicable to earth-moving machinery as defined in ISO 6165.

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Foreword

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ISO 6016 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 1, *Test methods relating to safety and machine performance*.

This third edition cancels and replaces the second edition (ISO 6016:1998), which has been technically revised.

Australian Standard®

Earth-moving machinery — Methods of measuring the masses of whole machines, their equipment and components

1 Scope

This International Standard specifies methods for measuring the masses of whole earth-moving machines, their equipment, attachments or components, using weighbridges or force transducers. It also defines the terms related to these masses.

It is applicable to earth-moving machinery as defined in ISO 6165.

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 6165:2006, *Earth-moving machinery — Basic types — Identification and terms and definitions*

ISO 9248:1992, *Earth-moving machinery — Units for dimensions, performance and capacities, and their measurement accuracies*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 General definitions

3.1.1
base machine
machine with a cab or canopy and operator-protective structures if required, without equipment or attachments but possessing the necessary mounting for such equipment and attachments

Note 1 to entry: For an example, see Figure 1.

3.1.2
equipment
set of components mounted onto the base machine that allows an attachment to perform the primary design function of the machine

Note 1 to entry: For examples, see Figure 1.

3.1.3
optional equipment
optional components mounted onto the base machine or equipment to increase, for example, capacity, flexibility, or enhance comfort

3.1.4
attachment
assembly of components that can be mounted onto the base machine or equipment for specific use

Note 1 to entry: For examples, see Figure 1.