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**Self-propelled machinery for forestry —  
Laboratory tests and performance  
requirements for roll-over protective  
structures —**

Part 2:

**Machines having a rotating platform with  
a cab and boom on the platform**

*Machines forestières automotrices — Essais de laboratoire et  
exigences de performance pour les structures de protection au  
retournement —*

*Partie 2: Machines ayant une tourelle d'orientation avec une cabine et  
une flèche sur la tourelle*



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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 8082-2 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 15, *Machinery for forestry*.

ISO 8082 consists of the following parts, under the general title *Self-propelled machinery for forestry — Laboratory tests and performance requirements for roll-over protective structures*:

- *Part 1: General machines*
- *Part 2: Machines having a rotating platform with a cab and boom on the platform*

## Introduction

Earth-moving excavators used in cross-over applications involving sites with trees, but excluding forestry applications, are covered by ISO 12117-2. Because of the similarity between excavators and forestry machines having a rotating platform with a cab, a fixed cab riser and a boom on a platform, this part of ISO 8082 specifies test methods and procedures similar to those of ISO 12117-2 and ISO 3471.

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# Self-propelled machinery for forestry — Laboratory tests and performance requirements for roll-over protective structures —

## Part 2:

## Machines having a rotating platform with a cab and boom on the platform

### 1 Scope

This part of ISO 8082 establishes a consistent and reproducible means of evaluating the load-carrying characteristics of roll-over protective structures (ROPS) on self-propelled forestry machines under static loading, and gives performance requirements for a representative specimen under such loading. It is applicable to machines configured as forestry machines or defined as such in ISO 6814, having a rotating platform with a cab — with or without a fixed cab riser — and boom on the same or a separate platform, intended to be operated by an operator wearing a seat-belt.

It is not applicable to forestry machines with elevating cabs.<sup>1)</sup>

### 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 898-1, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread*

ISO 898-2, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 2: Nuts with specified property classes — Coarse thread and fine pitch thread*

ISO 3164, *Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume*

ISO 3411, *Earth-moving machinery — Physical dimensions of operators and minimum operator space envelope*

ISO 5353, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point*

ISO 6814, *Machinery for forestry — Mobile and self-propelled machinery — Terms, definitions and classification*

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1) The roll-over behaviour of such machines needs more study.