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Second edition  
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## **Machinery for forestry — Falling-object protective structures (FOPS) — Laboratory tests and performance requirements**

*Matériel forestier — Structures de protection contre les chutes d'objets  
(FOPS) — Essais de laboratoire et exigences de performance*



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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 8083 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 15, *Machinery for forestry*.

This second edition cancels and replaces the first edition (ISO 8083:1989), which has been technically revised.

A new bolt and nut class as well as the – 20 °C temperature class for Charpy V-notch impact strength have been added. The normative references have been updated and the model test report modified to be more complete from the point of test laboratory accreditation. In addition, the text has been editorially rearranged for clarity.

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## Introduction

Special forestry machinery needs a falling-object protective structure (FOPS) standard of its own. It is recognized that there are various classes and sizes of forestry machinery that operate in a variety of environmental conditions as well as variations in log size the machines are capable of handling. Therefore, two alternative levels of acceptance criteria are given.