### INTERNATIONAL STANDARD



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# Machinery for forestry — Self-propelled machinery — Safety requirements

Matériel forestier — Machines automotrices — Prescriptions de sécurité



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#### Foreword

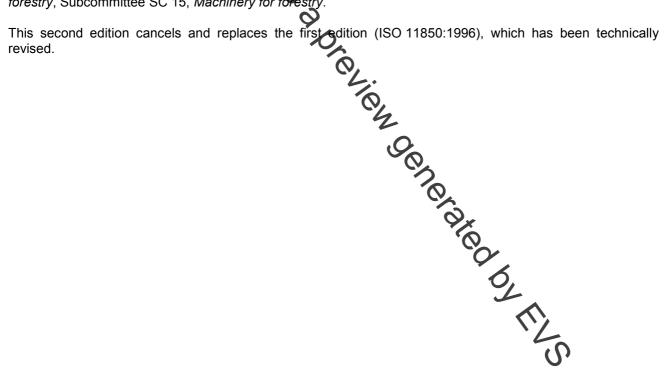
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ISO 11850 was prepared by Technical Committee ISO/TC 23, Tractors and machinery for agriculture and forestry, Subcommittee SC 15, Machinery for forestry.



## Machinery for forestry — Self-propelled machinery — Safety requirements

### 1 Scope

This International Standard specifies safety requirements for common design aspects of mobile, ride-on, self-propelled forestry machines. It is applicable to fellers, bunchers, delimbers, forwarders, log loaders, skidders, processors, havesters, and multi-function versions of these machine types, as defined in ISO 6814. It is not applicable to the optional attachments for these machines. It covers certain hazards common to forestry machinery, but does not, as a standard that addresses common requirements, deal with all the hazards (noise, vibration, thrown objects, etc.) which could exist on a particular machine. Its use will therefore not alone be sufficient to cover ar significant risks for a majority of machines.

#### 2 Normative references

The following referenced documents are not applies 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

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ISO 2860, Earth-moving machinery — Minimum access dimensions

ISO 2867:1994, Earth-moving machinery — Access systems

ISO 3411:1995, Earth-moving machinery — Human physical dimensions of operators and minimum operator space envelope

ISO 3450, Earth-moving machinery — Braking systems performance requirements and test procedures

ISO 3457, Earth-moving machinery — Guards and shields — Definitions and specifications

ISO 3471, Earth-moving machinery — Roll-over protective structures Laboratory tests and performance requirements

ISO 3600, Tractors, machinery for agriculture and forestry, powered lawp and garden equipment — Operator's manuals — Content and presentation

ISO 3767-1, Tractors, machinery for agriculture and forestry, powered lawn any garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols

ISO 3767-4, Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 4: Symbols for forestry machinery

ISO 3795, Road vehicles, and tractors and machinery for agriculture and forestry — Determination of burning behaviour of interior material

ISO 4254-4, Tractors and machinery for agriculture and forestry — Technical means for ensuring safety — Part 4: Forestry winches

ISO 5010:1992, Earth-moving machinery — Rubber-tyred machines — Steering requirements

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

ISO 6682, Earth-moving machinery — Zones of comfort and reach for controls

ISO 6683, Earth-moving machinery — Seat belts and seat belt anchorages

ISO 6750, Earth-moving machinery — Operation and maintenance — Format and content of manuals

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

ISO 8082, Self-propelled pachinery for forestry — Roll-over protective structures — Laboratory tests and performance requirements

ISO 8083, Machinery for forestry — Falling-object protective structures — Laboratory tests and performance requirements

ISO 8084, Machinery for forestry Operator protective structures — Laboratory tests and performance requirements

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

ISO 9533, Earth-moving machinery — Machine-mounted forward and reverse audible warning alarm — Sound test method

ISO 10263-2, Earth-moving machinery — Operato environment — Part 2: Air filter test

ISO 10263-5:1994, Earth-moving machinery — Operator enclosure environment — Part 5: Windscreen defrosting system test method

ISO 10532, Earth-moving machinery — Machine mounted reflected device — Performance requirements

ISO 10533, Earth-moving machinery — Lift-arm support devices

ISO 10570, Earth-moving machinery — Articulated frame lock — Performance requirements

ISO 11112, Earth-moving machinery — Operator's seat — Dimensions and requirements

ISO 11169, Machinery for forestry — Wheeled special machines — Vocabulary, performance test methods and criteria for brake systems

ISO 11512, Machinery for forestry — Tracked special machines — Performance criteria for brake systems

ISO 11684, Tractors and machinery for agriculture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles

ISO 13766, Earth-moving machinery — Electromagnetic compatibility

ISO 13852:1996, Safety of machinery — Safety distances to prevent danger zones being reached by the upper limbs

ISO 14269-4, Tractors and self-propelled machines for agriculture and forestry — Operator enclosure environment — Part 4: Air filter element test method

ISO 14982, Agricultural and forestry machinery — Electromagnetic compatibility — Test methods and acceptance criteria

ISO 15078, Machinery for forestry — Log loaders — Location and method of operation of two-lever operator controls