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

*Matériel forestier — Machines mobiles et automotrices — Termes,  
définitions et classification*

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## Foreword

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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 6814 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 15, *Machinery for forestry*.

This third edition cancels and replaces the second edition (ISO 6814:2000), which has been technically revised.

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

## 1 Scope

This International Standard defines terms corresponding to, and gives guidance for the classification of, mobile and self-propelled machinery used in forestry and related operations. Both the definitions and the classification have been determined according to the end use of the machines as intended by the manufacturer. The terms and definitions do not cover all possible forestry and related operations or machinery, nor do they describe specific machines, but are given as an aid to nomenclature.

This International Standard is applicable to machines designed for use in forestry for site preparation, planting, harvesting, processing, and the transport of wood and wood fibre. It is not applicable to machines designed to be used exclusively in sawmills or wood yards, to on-highway transport vehicles, or to aerial vehicles.

## 2 Terms and definitions

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

### 2.1 Site preparation, planting and maintenance operations

#### 2.1.1

##### **ground preparation bedding**

preparation of the soil surface to provide a location for planting

#### 2.1.2

##### **chopping**

breaking down material into shorter pieces

#### 2.1.3

##### **cleaning**

selective removal of unwanted shrubs and trees without use of the wood

#### 2.1.4

##### **clearing**

removing unwanted residues (logging waste), shrubs, trees and stumps

#### 2.1.5

##### **grubbing**

removing trees and stumps from an area by severing below the ground surface, lifting, and pushing into piles

#### 2.1.6

##### **mulching**

reduction of trees, brush or parts of trees on site with a grinding or shredding action, leaving the resulting material on the forest floor

**2.1.7**

**planting**

putting trees or seedlings into the ground at their growing positions

**2.1.8**

**ploughing**

shearing and turning mineral soil with a linear motion

**2.1.9**

**pruning**

removal of live or dead branches or of multiple leaders of shoots from standing trees

**2.1.10**

**raking**

moving loose material using a toothed or comb-like device

**2.1.11**

**scarifying**

preparing the ground surface for planting or regeneration by lightly cultivating the surface

**2.2 Forest harvesting operations**

**2.2.1**

**bunching**

gathering and arranging trees or parts of trees in bunches

**2.2.2**

**bundling**

baling

collecting trees or parts of trees and compressing and binding them into a denser form

**2.2.3**

**cable yarding**

transporting trees or parts of trees by means of a cable system partially or fully elevated above the forest floor

**2.2.4**

**chipping**

breaking down/slicing trees into small pieces of specified dimensions

**2.2.5**

**crushing**

reduction of trees or parts of trees by compression or impacting

**2.2.6**

**debarking**

removing bark from trees or parts of trees

**2.2.7**

**delimbing**

removing branches from trees or parts of trees

**2.2.8**

**felling**

severing trees from the stump

**2.2.9**

**forwarding**

transporting trees or parts of trees by carrying them