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Logging industry — Technology — Vocabulary

Exploitation forestière — Techniques — Termes et définitions

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Foreword

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Draft standard ISO/DIS 8965 was prepared by Technical Committee ISO/TC 218 «*Timber*».

Introduction

The main purpose of this International Standard is to establish international terms and their definitions used in contemporary technological processes of the logging industry, to provide terminological unity and comparability of scientific and technical information.

This International Standard is addressed not only to the standardizers and terminologists in forestry, but to anyone involved in terminology work, as well as to the users of different terminologies.

The terms established in this International Standard are listed in a systematic order, reflecting a system concept in the field of logging industry standardization.

For each concept, one standardized term has been established.

Admissible terms/synonyms are given as informative data and are not standardized.

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Logging industry — Technology — Vocabulary

1. Scope

This International Standard defines terms relating to technological operations in the logging industry.

NOTE See ISO 6814 for terms and definitions related to mobile and self-propelled machinery used in forestry [1].

2. Normative references

There are no normative references in this document.

3. General terms

3.1

allowable cut; *cutting unit*

annual volume of annual timber supply at the root, installed for the main use of felling

3.2

auxiliary work in the cutting area

maintenance and repair of harvesting machines, supply of fuels and lubricants, as well as household services for staff working in the forest

3.3

banking processing yard

processing yard, lying by the waterway

3.4

beard

section with breakaway wood in the end zone of round timber

3.5

blowdown

trees that is (are) uprooted or broken off by wind

3.6**buffer strip****green strip****leave strip****streamside management zone**

strip of forest land where cutting has not occurred or is not allowed, located either between cuttings or adjacent to another resource (lake, river, park, road)

3.7**bundle loading of round timber (tree-length)**

loading bundle of round timber (tree-lengths) on the vehicles

3.8**butt damage**

vertical split of a stem at the buttend area during the falling procedure

3.9**capacity of processing yard**

the amount of timber in dense cubic meters that can be placed on the area of the timber processing warehouse

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3.10**clearcutting**

final harvesting when all stand of cutting unit is cutted in one motion

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3.11**cutting allotment**

part of the cutting unit, demarcated in kind by vizira or natural frontiers

3.12**chopping-off**

removal limbs with a hatchet

3.13**cutover****logged-over area**

cutting unit or its part where standing timber has been harvested through clearcutting or selective logging and young growth hasn't yet formed a close canopy

3.14**cutting plan**

document regulating the method of harvesting at the cutting unit, containing characteristics and schematic and the basic production indexes

3.15**cutting strip**

gradual cutting of main use, in which the stand is cut down completely throughout the course of the same age class with simultaneous uniform thinning of the stand on the left strips of the fores

3.16**cut-to-length harvesting system**

harvesting system in which trees undergo delimiting and bucking into are formed piles at the stump prior to subsequent skidding to the landing or forwarding to processing yard

3.17**cutting unit**

specific area of timber (forest land) designated for logging and is limited by sight or natural boundary

3.18**cutting unit fund**

stocks of timber, ripe and overmature standing timber for harvesting

3.19**cutting unit work**

complex of basic technological and transfer operations, preparatory and auxiliary operations on the cutting unit, removal of dangerous trees, marking and equipping of a complex of tracks, landings, and workshop sites which are necessary for carrying out of basic operations in the cutting unit.

Basic operations include felling, bunching of felled trees, delimiting and loading of trees or tree-lengths, and in case of cut-to-length harvesting or technological chipping they include bucking, grading, stacking, chipping and loading

3.20**dangerous tree;****hazardous tree; *danger tree***

rotten, dry-resistant, hovering, windy, drilling and broken wood presenting danger

3.21**enrichment of workshop site**

provisioning of workshop site with technological equipment and extinguishing devices, their allocation on the cutting unit, and installation of a communication facilities and arranging of the fire prevention mineralized zone

3.22**forest tract ;**

timber supply block

timber supply block

part of a merchantable volume, attached to a logging enterprise for the target term

3.23**forwarder**

self-propelled machine designed to move trees or parts of trees by carrying them, from the rolls to the loading point, shipped so that they do not touch the ground

[SOURCE: ISO 6814:2009, 2.3.1.9.]

3.24**full-tree harvesting system**

whole-tree harvesting system

total-tree harvesting system

harvesting system in which tree are cut and skidded to the landing before any processing topping and delimiting takes place

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3.25**grade**

measure of log quality is usually expressed using numeric or alphabetic characters

3.26**ground-based harvesting system**

harvesting system that employs ground-based equipment such as feller-bunchers, skidders, and forwarders

3.27**gross merchantable volume**

merchantable volume of the main stem, excluding stump and top, but including defective and decayed timber (wood)

3.28**harvester**

self-propelled machine that combines felling with other processing functions and skidding

3.29**hauling route in cutting strip**

haul path in cutting strip
skid trail in cutting strip
skid road in cutting strip
snig track in cutting strip
hauling route, located within the cutting strip

3.30**haul path; hauling route; skid trail; logging trail; skid trail; skid road; snig track**

the route (path) temporary path used by harvesting equipment to transfer trees, tree-lengths and round timber at skidding

3.31**intermediate processing yard**

processing yard, located at the hauling route outside the cutting area

3.32**landing**

cleared area on forest land to which trees, tree-length or logs are stored, where they are sorted, for further loading on transport

3.33**logging industry**

sector of the forest industry and forest management engaged in logging, skidding, hauling, primary processing and wood processing, tree-length and logging waste

3.34**logging harvesting**

A process involving basic and auxiliary operations for tree felling (felling-area works), cleaning places cutting from logging residues, removal their cutting area and partial treatment in the upper forest depots

3.35**logging of timber**

collection of wood from the ground or the vehicle and its laying on the vehicle

3.36**logging technology**

set of working consecutive operations aimed to obtain forest products

3.37**long pole**

Section of tree-length having length multiple to length of produced grade with allowance for cutting

3.38**lower processing yard**

processing yard, located at the joint of hauling route with the public road

3.39**main hauling road**

main section of the forest road, that connects the forest area to be developed with a timber processing warehouse, a cargo assembly road and a public road or a point of consumption

3.40**main hauling route****main haul path****main skid trail****main loggin trail****main skid road****main snig track**

hauling route joining landing with the several skidding trails in cutting strip

iTeh STANDARD PREVIEW**3.41****merchantable volume (standards.iteh.ai)**

amount of sound wood in a single tree or stand that is suitable for marketing under given economic conditions

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3.42**net merchantable volume**

merchantable volume) of the main stem, excluding stump and top as well as defective and decayed timber (wood), It can be applied to either a single tree or a stand of trees.

3.43**operating timber reserve**

volume of round timber necessary to maintain an uninterrupted flow and retmic of work timber procurement enterprise. It can include storage placed at a hauling route or on an processing yard, or some combination

3.44**off-cutting**

sawdusting of round timber and tree-lenghts to obtain an end face perpendicular to their longitudinal axis

3.45**pile of round timber (tree-lengths)**

round timber laid in several even parallel rows

3.46**preparatory work in the cutting area**

operations to create the necessary conditions for harvesting operations in the cutting area, including the preparation of the cutting area, landings, enrichment of workshop site and hauling road feeder, Installation and dismantling of equipment

3.47**primary processing of wood raw material**

mechanical processing of trees, tree-length and round timber including delimiting, bucking, grading, and removal of rot and foliage, and debarking, if any

3.48**processing yard**

landing equipped for primary processing of wood raw material, and storage, loading and/or floating of tree-length and logs, and for utilization of logging wood-waste

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rail processing yard

processing yard, near the railroad [ISO/DIS 8965](https://standards.iteh.ai/catalog/standards/sist/05019a14-57eb-48de-992f-89a467bb48cb/iso-dis-8965)
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3.50**round timber**

log: the tree-length of the whip received by the transverse division

3.51**round timber (tree-length) bunch**

round timber or tree-lengths gathered together to form a load for subsequent skidding, yarding or other form of processing

3.52**round timber (tree-length) bundle**

round timber and/or tree-length of specific form and sizes, evenly placed and bundled together with binder, container or other packaging means

3.53**selective logging**

harvesting system in which some trees of certain ages, sizes, value or condition are cut from time to time for the special utilization