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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 45088-2024

Code of practice for forest tree harvesting

林木采伐技术规程

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting is required. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the State Forestry and Grassland Administration. This document is under the jurisdiction of the National Forest Resources Standardization Technical Committee (SAC/TC 370). This document was drafted by: Forestry and Grassland Survey and Planning Institute of the State Forestry and Grassland Administration, Northeast Forestry University, and Resource Information of the Chinese Academy of Forestry. Research Institute of Forestry, Chinese Academy of Forestry, Northwest Survey and Planning Institute of State Forestry and Grassland Administration, South China Survey and Planning Institute, Guangxi Zhuang Autonomous Region Forestry Bureau. The main drafters of this document are: Liu Keyong, Jiang Sannai, Wang Hezhi, Lei Xiangdong, Bai Weiguo, Li Jie, Jia Weiwei, Zhang Yueying, Liu Zhaogang, Dong Lihu, Yuan Yao, Weng Guoqing, Zou Quancheng, Chen Dongsheng, Zhang Dawei, Yan Zhe, Xu Jiannan, Chao Bixiao, Bian Fei, Hu Zhongyue, Li Hongtao, Huang Fa, Wu Yongzhen. Technical regulations for felling trees

1 Scope

GB/T 45088-2024 is the Chinese code of practice for felling trees, and it governs the whole sequence rather than the cutting alone. Harvesting in China is administered: a cut has to be approved, designed, executed and then inspected against the design, and the standard sets out each of those stages. It establishes the harvesting procedure, then the determination of the harvesting type and method, clear cutting, selective cutting, shelterwood and the rest, the regeneration that has to follow the cut, the survey and design

of the cutting area, the harvesting operations themselves, the operational safety and protection measures, the inspection and acceptance of the cutting area and the management of the records. Seven normative annexes carry the working material: the growth requirements a stand has to meet before it may be cut, the applicable conditions and technical parameters of the different skidding methods, the full survey and design tables for each harvesting type and method, the design of the labour and machinery, the production costs, eleven pages of operating and safety requirements for the felling work itself, and the evaluation used at acceptance. Two informative annexes give the starting breast height diameters for selective cutting of the principal species and the field survey sheet. It applies to the harvesting of all kinds of trees on forest land, and may be referenced for trees off forest land.

This document establishes the procedures for felling trees, specifies the types and methods of felling, forest regeneration, felling area survey and design, Technical requirements for forest felling operations, operational safety and protection measures, felling area inspection and acceptance, and file management. This document applies to the felling of all types of trees on forest land, and shall serve as a reference for the felling of trees on non-forest land.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document. GB/T 144 Log Inspection

GB 14192 General rules for safety in timber harvesting and transportation

GB/T 15163 Technical regulations for closing hillsides (sand) for afforestation

GB/T 15776-2023 Afforestation Technical Specifications

GB/T 15781-2015 Forest tending regulations

GB/T 26424 Technical specification for forest resource planning, design and investigation

LY/T 2408 Technical regulations for investigation and assessment of forestry losses caused by major natural disasters LY/T 2908 Classification of age classes and age groups of main tree species

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 forest tree Trees with a DBH of more than 5 cm and bamboos with a DBH of more than 2 cm.

3.2 Stand A forest area with the same or similar internal structure and characteristics and clearly distinguishable from adjacent areas.

3.3 forest tree harvesting According to the relevant laws, regulations and policies on forest resource management, and in combination with the growth and development of forests and trees, some or all of the Forest management activities of certain forest trees.

3.4 forest regeneration after harvesting The activity of restoring forests using natural or human forces after logging.

Note. Generally divided into natural regeneration, artificially promoted natural regeneration, and artificial regeneration. According to whether the regeneration occurs before or after felling, it can be divided into pre-felling regeneration and post-felling regeneration.