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

LY/T 3115-2019

**Forest harvesting engineering--Guidelines for operations
practice**

森林采伐工程 施工实施指南

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed and managed by the National Forestry Engineering Standardization Technical Committee (SAC/TC 362).

1 Scope

This standard specifies the basic principles of construction management of forest harvesting projects, pre-construction preparation, construction, logging construction quality control, and logging operations.

Contents such as self-inspection of process operations, application for acceptance of cutting area, report of acceptance of cutting area, management of file of cutting operation, etc.

This standard is mainly applicable to the logging of timber forests by forest management units, and other forest logging can be implemented by reference.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB/T 15781 Forest care regulations LY/T 1646 Forest harvesting operation regulations LY/T 2154.2 Guidelines for engineering design review based on the role of forest ecosystems. Part 2. Forest harvesting

3 Terms and definitions

The terms and definitions defined in GB/T 15781 and LY/T 1646 apply to this document.

4 Basic principles

4.1

Protect the ecological environment and biodiversity, and maintain the health and stability of the ecosystem.

4.2

System management, process control, and optimization of resource allocation.

4.3

According to the operation design and construction.

4.4

Ensure construction safety.

4.5

Reduce construction costs.

5.1.1 Determine the construction unit

The construction unit shall have.

- a) Construction team, construction technology, logging and skidding equipment, information management and other construction capabilities;
- b) Operators should be familiar with the stand characteristics, site conditions, surrounding environment and biodiversity protection requirements in the construction area;
- c) Construction personnel should be familiar with the technical regulations and safety production management systems in this industry.

5.2 Application for Forest Harvesting Permit

Before the construction of the project, a forest cutting permit should be applied in accordance with the prescribed content, requirements and procedures to obtain the right to construction (cutting).

5.3.1 Job Design File

The operation design document includes the cutting area design specification, the cutting area investigation and design table, and the cutting area investigation and design floor plan.

5.3.2 Operation Design Check

The operation design check is an internal audit of the forest management unit. The purpose is to verify and deepen the understanding of the project operation design and optimize the project.

Construction plans, scientific guidance of production operations.

5.4 Public notice before cutting

The content, time, form, and method of publicity before the felling shall be implemented in accordance with the relevant provisions of LY/T 1646.

5.5.1 Engineering contract management

Sign construction contracts and guarantees of production safety and fire prevention in accordance with relevant regulations.

5.5.2.1 Construction personnel

Construction personnel include managers, harvesters, equipment operators and maintenance personnel, inspectors, construction supervisors, and safety and other conditions, the conditions should meet the relevant provisions of LY/T 1646.

5.5.2.2 Training of construction personnel

Engineering construction personnel should be trained before taking up their posts. The training should be conducted in a combination of indoor theoretical knowledge learning and field practical operation. Yes, the training content should be determined according to the engineering operation design requirements and operating area conditions. The training content should meet the requirements of LY/T 1646 and safe production.

Management system and related training requirements.

5.5.3 Construction Equipment Management

The procurement and use system of engineering construction equipment shall be established in accordance with relevant requirements. Construction equipment includes.

- a) Equipment for felling, pruning, making materials, assembling, collecting and transporting materials;
- b) Construction of equipment such as skidding roads, temporary material transport roads, corrugated yards and stations;
- c) Construction operation control measurement and information processing equipment;
- d) Construction labor safety protection equipment;
- e) communications and transportation equipment;
- f) Fire protection equipment.

5.5.4 Material management

A material procurement and use management system should be established in accordance with relevant requirements. Operational supplies include.

- a) Construction machinery parts, fragile and consumable materials, etc .;
- b) grease, fuel;