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LY

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 1169-2016

Replacing LY/T 1169-1995

Forest engineering. Forestry skyline. Technical specifications for setting up, ruuning, disassembling and transferring

森林工程 林业架空索道 架设、运行和拆转技术规范

(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 replaces LY/T 1169-1995 "Technical Specification for the Erection and Disassembly of Aerial Cableway for Forests", compared with LY/T 1169-1995, the main the technical changes are as follows.

--- Revised the standard name "Technical Specification for the Demolition of Aerial Cableway Erections for Forests" to "Establishment and Operation of Forest Engineering Aerial Cableway and dismantling technical specifications";

--- Revised the scope of the content (see Chapter 1, Chapter 1 of the 1995 edition);

--- Revised the normative reference document (see Chapter 2, Chapter 2 of the 1995 edition);

--- Added the terms and definitions of "span, chord inclination, installation tension", and removed the terms and definitions of "hoisting angle" (see Chapter 3, Chapter 3 of the 1995 edition);

--- Revised the content of the preliminary work of the erection phase (see 4.2, Chapter 5 of the 1995 edition);

---Modified the requirements for the installation of the winch (see 4.3, Chapter 7 of the 1995 edition);

--- Increased the consolidation of load-bearing cables and other steel cables and anchor piles (see 4.4);

--- Change the "installation of standing timber brackets" to "installation of guide pulleys" and modify its contents (see 4.5, Chapter 8 of the 1995 edition);

---Modified the contents of the installation of the saddle (see 4.8, Chapter 10 of the 1995

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edition);

--- Increased the selection of steel cables (see 4.9.1);

---Modified the connection of the cable (see 4.9.6, Chapter 12 of the 1995 edition);

--- Increased the fixed content of the suspension sports car and the stopper (see 4.11);

--- Modified the content of the load cable tension (see 4.12, Chapter 14 of the 1995 edition);

---Modified the trial operation of the ropeway line (see 4.13, Chapter 15 of the 1995 edition);

---Modified the removal of the ropeway (see Chapter 6, Chapter 16 of the 1995 edition);

--- Removed the contents of maintenance and maintenance (Chapter 18 of the 1995 edition);

--- Added the content of "rope transfer" (see Chapter 7).

This standard is proposed and managed by the National Forest Engineering Standardization Technical Committee (SAC/TC362).

1 Scope

This standard specifies the terms and definitions and technical requirements for the erection, operation and dismantling of forestry aerial ropeways.

This standard is applicable to aerial ropeway for forestry skidding, transportation materials or loading operations. The freight aerial tramway can be referred to for implementation.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

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

LY/T 1133 Forest Engineering Forestry Aerial Cableway Safety Regulations

3 Terms and definitions

The following terms and definitions apply to this document.

Front angle anglebetweenskylineandspar-tree epsilonZ Under the tension condition of the ropeway line, the angle between the bearing cable and the end stand wooden bracket.

Rear corner anglebetweenskyline-guylineandspar-tree epsilonH the angle between the tail end of the cable and the end stand of the line.

Span span

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The horizontal distance between adjacent brackets or between the station and adjacent brackets.

Chord inclination

The angle between the line connecting the fulcrum (chord line) and the horizontal line (sharp angle).

Installation tension instalationtension Tension cable tension when tensioning the cable.

4.1 General

4.1.1

Approved cutting zone design and ropeway design should be available prior to installation of the ropeway.

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