

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

LY/T 1765-2025

Replacing LY/T 1765-2008

**Standardized Fire Lookout Towers (Platforms) for Forest and
Grassland Fire Prevention**

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(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document replaces LY/T 1765-2008 "Technical Specifications for Forest Fire Lookout Towers". Compared with LY/T 1765-2008, except for...

Aside from structural adjustments and editorial changes, the main technical changes are as follows.

--The terms and definitions of "reignition fire", "lightning fire", "smoke column" and "smoke point" have been deleted (see 3.2 to 3.5 of the 2008 edition).

--Requirements related to lookout missions and the supervision of lookout personnel have been removed (see 4.1, 4.4, and 4.5 in the 2008 version).

--The requirements for fire lookout have been changed (see 6.1~6.6, 5.3 in the 2008 version);

--A verification method has been added (see Chapter 9).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the National Forestry and Grassland Administration.

This document is under the jurisdiction of the National Technical Committee on Standardization of Forest and Grassland Fire Prevention (SAC/TC 523).

1 Scope

This document specifies the requirements for forest and grassland fire lookout towers (stations), equipment, personnel configuration, and procedures for fire lookout, fire reporting, and safety.

The protective work requirements are described, along with the corresponding verification methods.

This document applies to the management of lookout personnel at forest and grassland fire lookout towers (stations).

2 Normative references

This document has no normative references.

3 Terms and Definitions

The following terms and definitions apply to this document.

Fire tower

Facilities specifically built at high points on the ground for observing fire conditions.

4 Facilities and Equipment

4.1

Water and electricity supply facilities should be provided to ensure the basic needs of lookout personnel in their daily work.

4.2

Observation equipment such as telescopes and compasses should be provided.

4.3

Telephones, walkie-talkies and other communication equipment should be provided to ensure smooth communication.

5 Lookouts

5.1

Applicants should be in good physical health, have normal vision and hearing, speak clearly, and be able to work at heights.

5.2

One should be proficient in using the tools and equipment on the watchtower (platform).

5.3

The location, vegetation composition, and distribution of villages, settlements, factories, roads, rivers, lakes, and mountains in the observation area should be known.

5.4

The distribution of fire-prone areas, high-risk fire zones, and key protected areas in the lookout area should be known.

5.5

It should be able to identify common false smoke phenomena and should not misreport or omit fire incidents. Methods for identifying false smoke are detailed in Appendix A.

5.6

Employees should be on duty and on the tower on time, and should not delay or conceal fire situations.

5.7

All kinds of lookout charts should be recorded and properly stored in a timely manner.

6.1 Lookout Preparation

Each time you climb the tower, you should check and test the instruments and equipment of the watchtower (platform) to ensure that the instruments and equipment are operating normally and that communication is unimpeded.