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

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**Regulation for the construction of long-term observation  
station of wetland ecosystem**

湿地生态系统定位观测研究站建设规程

**(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 1708-2007 "Technical Requirements for Construction of Wetland Ecosystem Positioning Research Station", and LY/T 1708-2007 the main technical changes are as follows.

- Modify the standard name "Technical Requirements for the Construction of Wetland Ecosystem Positioning Research Station" to "Wetland Ecosystem Positioning Observation Research Station" Construction regulations";
- Revised scope, normative references, definitions and terminology;
- Removed the guiding ideology, naming rules and investment estimates;
- Added equipment, facilities and facilities suitable for the positioning and observation of wetland ecosystems.

This standard was proposed by the Chinese Academy of Forestry.

This standard is under the jurisdiction of the National Wetland Protection Standardization Technical Committee (SAC/TC468).

This standard was drafted. Wetland Research Institute of Chinese Academy of Forestry, Ecological Positioning Observation Network Center of the State Forestry Administration, National Forestry Bureau of Wetland Protection Management Center, Northeast Normal University, Institute of Tropical Forestry, Chinese Academy of Forestry, and China Academy of Forestry with a forestry research institute.

### 1 Scope

This standard specifies site selection, infrastructure equipment construction, laboratory construction, wetland meteorology for wetland ecosystem positioning observation and

research stations.

Construction of observation facilities and equipment, construction of wetland hydrological and water quality observation facilities, construction of observation facilities for wetland soils and sedimentary physical properties, the contents and technical indicators of the construction of wetland biological observation facilities and the construction of remote data collection equipment.

This standard applies to the national wetland ecosystem positioning observation and research station.

## 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.

GB/T 24708 wetland classification LY/T 2090 Wetland Ecosystem Positioning Observation Index System MT/T 633 Groundwater Dynamic Long-Term Observation Technical Specification QX30 automatic weather station field lightning protection technical specification QX/T 54 Ground meteorological observation specification Part 10. Evaporation observation QX/T 61 Surface meteorological observation specification Part 17. Automatic weather station observation

## 3 Terms and definitions

The following terms and definitions defined in GB/T 24708 and LY/T 2090 apply to this document.

**Wetland ecosystem positioning observation research station**  
long-term observation station of wetland ecosystem Long-term positioning observation and observation of the structure, process, function and disturbance of wetland ecosystems through the establishment of observation points and observation plots A scientific research platform that takes continuous observation data, referred to as the wetland ecological station.

**Fixed plot permanent plot** A long-term observation area selected by the wetland ecological station research area that can represent the overall status of the wetland ecosystem under study.

**Observation field** Set up for comprehensive observations and research in meteorology, hydrology, water quality, soil, sediment, and biology in a typical wetland ecosystem  
**Observing the site.**

#### **4.1 Site selection of wetland ecological station**

The regional construction wetland ecological station with typical and representative characteristics of wetland structure, function and development degree should be selected.