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

LY/T 1662.2-2008

**Standard for digital forestry. Part 2: Standard for forestry digital
geographic fundamental vector data**

数字林业标准与规范 第2部分：林业数字矢量基础地理数据标准

(English Translation)

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Foreword

LY/T 1662 "Digital Forestry Standards and Specifications" is divided into 11 parts.

- Part 1. Non-spatial data standards for forest resources;
- Part 2. Forestry Digital Vector Basic Geographic Data Standards;
- Part 3. Satellite remote sensing image data standards;
- Part 4. Forestry social and economic data standards;
- Part 5. Data standards for forestry policies and regulations;
- Part 6. Data standards for forestry literature;
- Part 7. Database building standards;
- Part 8. Database software specifications;
- Part 9. Database Management Specifications;
- Part 10. Metadata standards;
- Part 11. Data standard for returning farmland to forests.

This part is the second part of LY/T 1662.

This section provides a unified standard for forestry digital vector based geographic data organization in the digital forestry system.

The geodetic datum of the national basic surveying and mapping data products now coexists with the 1954 series and the 1980 system, but since 1980 the Xi'an coordinate system and the 1985 National Elevation Benchmark will eventually become the land reference and elevation benchmark adopted by various industries and departments in China, so this section the geodetic datum of the data product uses the 1980 Xi'an coordinate system, and the elevation reference uses the 1985 national elevation benchmark.

This part is proposed by the Institute of Resource Information of the Chinese Academy of

Forestry.

This part is under the jurisdiction of the Chinese Academy of Forestry.

This section drafted by. Institute of Resource Information, Chinese Academy of Forestry.

1 Scope

Forestry Digital Vector Basic Geographic Data includes 1:4000000, 1:1000000, 1:250000, 1:50000, and 1:10000 Vector data. They are products based on national vector terrain data products produced by the State Bureau of Surveying and Mapping. Synthetic products by country the administrative divisions and forestry management areas are divided into two categories. The products managed by the national administrative division unit are divided into the above five scales.

Level, products managed by the Forestry Management Zoning Unit do not contain a scale of 1:4000000.

This part of LY/T 1662 provides uniform regulations for the production technical requirements and operating procedures of the above two types of synthetic products.

This section applies to the processing of vector basic geographic data products in forestry informatization work.

2 Normative references

The terms in the following documents become the provisions of this section by reference to this part of LY/T 1662. Quotations with dated , all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouragement is achieved under this section the parties to the agreement study whether the latest versions of these documents can be used. For undated references, the latest edition applies to this section.

GB 917.1-2000 Road route identification rules naming, numbering and coding GB 917.2-2000 Road route identification rules National road name and number GB/T 919-2002 road grade code GB 10302-88 Railway station name code of the People's Republic of China GB/T 13923-1992 Classification and code of national basic information data GB/T 13989-1992 National basic scale topographic map framing and numbering GB/T 16820-1997 Cartography terminology GB/T 17159-1997 Geodetic terminology JT/T 307.1-1997 Provincial Highway Code TB1945-87 People's Republic of China railway line name code SL249-1999 China River Name Code SL259-2000 China Reservoir Name Code SL261-1998 China Lake Name Code

3 Terms and definitions

The following terms and definitions apply to this section.

The 1975 international ellipsoid is used, and the JYD1968.0 system is used as the ellipsoid orientation benchmark. The Yongle Town of Shuyang County, Shaanxi Province is selected as the origin of the earth.

At the ground, the geodetic coordinate system established by multi-point positioning is adopted.

The use of the Qingdao standard origin and the average sea surface of the Yellow Sea determined by the tide data from 1952 to 1979 in Qingdao tide station