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

**GB/T 13923-2022**

Replacing GB/T 13923-2006

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**Classification and codes for fundamental geographic  
information feature**

基础地理信息要素分类与代码

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### Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" drafted. GB/T 13923 "Basic Geographic Information Element Classification and Code" and GB/T 20257 "National Basic Scale Map Schema" and GB/T 20258 "Basic Geographic Information Elements Data Dictionary" together constitute the support for the national basic scale map and basic geographic information measurement, construction and construction. The basic national standard system for establishing, updating and applying service work needs to be used together. This document replaces GB/T 13923-2006 "Basic Geographic Information Element Classification and Code", compared with GB/T 13923-2006, except Major technical changes other than editorial revisions are as follows:

- Delete the introduction (see the introduction of the.2006 edition);
- Subdivided the classification and coding principles, and revised the "applicability" principle (see 4.4, 4.5, 4.6, 3.4, 3.5 of the.2006 edition);
- Modify the chapter title "element classification" and "element coding" to "classification scheme" and "coding scheme" (see Chapter 5, Chapter 6,.2006 edition Chapter 4, Chapter 5);
- Added classification rules for place name elements (see 5.5);
- Added the place name category, and its subordinate two middle categories (see Table A.1);
- Added wire point, Tropic of Cancer, dammed lake, abandoned reservoir, water system structure line, resettlement house in earthquake-stricken area, ruined house, old bunker (Old Bunker), Earthquake Memorial Site, Tailings Depot, Special Oxygen Supply Point, Buddhist Terrace, Windbreak Wall (Windbreak Wall), Wildlife Passage, Windbreak Sand-fixing stone squares, wind-proof sand-fixing grass squares, clump grass beach, reed

beach, Yansong beach, shoal, dark beach, renewable energy power generation facilities, light energy Battery panels, wind power generation windmills, construction areas, cellars (vegetable cellars), marine rescue stations, lifeboat stations, sandpits, post boxes, large mailboxes, newspapers Publishing booths, kiosks, ticket booths, ATMs, paper burning stoves, car inspection stations, car wash stations, car ramps in front of buildings, barrier-free access Roads, sidewalks, parking buildings, gate signs, street name signs (street signs), approach piers, road heads, damaged piers, bollards, Corrected bollard, floating dock, slipway, slideway, gantry, radar beacon, radio beacon, pilot station, pilotage, hulk, helicopter parking Airport, artistic buildings, fitness and entertainment facilities, soundproof walls (sound barriers), outdoor escalators, outdoor elevators, screen walls, street gardening Viewing sketches, surveillance cameras (cameras), railway overpasses, village roads, other highways, streets under construction, overpasses, railway bridges, highways Bridge, railway and highway bridge, railway Mingdong, highway Mingdong, bus stop, service area, bicycle rental point, car storage bracket, Road mirrors (wide-angle mirrors, turning mirrors), electronic eyes (monitoring facilities), traffic speedometers, traffic warning signs, signal lights, gas pressure regulators Stations, pipeline indicating piles, reclaimed water manholes, public security manholes, boundaries of special management areas, boundaries of special administrative regions, and other bare soils Subcategory or subcategory elements such as land (see Table B.1);

--- Modified the names of the original 24 elements, and expanded and expanded the content concept of the original elements (see Table B.1, .2006 edition). of Appendix B);

--- Revised the category settings of subcategories and subcategories in the original pipeline element classification (see Table B.1, Appendix B of the .2006 edition);

--- Modify the original 3 scale segments to 4, and at the same time modify the scope of application of the original scale segments for some elements (see 5.3, table B.1,

4.3 of the .2006 edition, Appendix B);

--- Deleted the annotation class elements in all the original subclasses and subclasses (see Appendix B of the .2006 edition);

## 1 Scope

GB/T 13923-2022 is the Chinese national standard on classification and codes for fundamental geographic information feature, in the field of natural and applied sciences. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 15 April 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2022. Classification: ICS 07.040, CCS A75. This page is published from the official record of the standard held by the Chinese standards

administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the classification and coding principles, classification schemes, coding schemes, and classification and code extension principles of basic geographic information elements. Numerically identifies the type of underlying geographic information feature. This document applies to the collection, update, management, distribution, expression and application services of basic geographic information data, including basic geographic information Database construction and application, basic geographic information public platform construction, basic geographic information exchange and sharing between different systems, and digitalization Mapping, editing and map updating, etc.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Geographic information data as the basis for a unified spatial positioning framework and spatial analysis.

3.2 The components of the real world described by the underlying geographic information.

Note. It usually includes positioning foundation, water system, residential areas and facilities, transportation, pipelines, realm and political area, landform, vegetation and soil quality, and place names.

3.3 featuretype featuretype A variety of real-world phenomena that share common characteristics.

## 4 Classification and coding principles

4.1 Scientific With the goal of being suitable for the application and management of modern computer and database technology, scientific research is carried out according to the element characteristics or attributes of basic geographic information. classification, forming a systematic classification system.

4.2 System Consistency The same feature has a consistent classification and unique code in the underlying geographic information database.

4.3 Stability The classification system selects the most stable characteristics and attributes of each element as the classification basis, and can not undergo major changes for a long

time.

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