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**NATIONAL STANDARD OF THE
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**Thematic map - Compilation specification for geographic base
map**

专题地图 地理底图编制规范

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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 for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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The main drafters of this document are: Yin Hongmei, Huang Jie, Liu Jiping, Lu Zhongjin, Gao Wujun, Mao Xi, Yan Jingxin, Geng Xiaonan, An Zhenzhen, Liu Dongqin, Gong Jinping, Liu Xiangyi, and Wang Huanping.

Specifications for the compilation of thematic maps and geographic base maps

1 Scope

This document specifies the basic rules, data sources, feature selection, feature representation, verification methods, etc. for the compilation of thematic geographic base maps.

This document is applicable to the design and compilation of thematic map geographic

base maps.

2 Normative references

GB/T 16820-2009

GB/T 19996

GB/T 24356

GB/T 35633

GB/T 35764

3 Terms and definitions

The terms and definitions defined in GB/T 16820-2009 and the following apply to this document.

3.1 series thematic maps

A set of maps with a unified design and compilation that focuses on representing a certain theme in natural or social phenomena.

3.2

A set of geographic basemaps used for the compilation of a series of thematic maps.

4.1 Geographic basemap types

Based on the differences in the content and expression requirements of various thematic maps, geographic base maps are classified. Commonly used geographic base map types are shown in Table 1.

Table 1 Commonly used geographic basemap types
 Basemap types indicate the main purpose of the content
 Comprehensive geographic basemap Relatively balanced representation of regional water systems, settlements, and transportation
 Elements such as access, boundaries, and terrain
 Used to compile data based on regional natural geographical environment and human geography
 Other related thematic maps
 The administrative geographic base map focuses on showing elements such as boundaries, administrative regions, and settlements.

Used to compile population, economic and social development data closely related to political regions
 Related thematic maps