

ICS 07.040; 35.240.70
CCS A 75



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

GB/Z 28586-2012

**Geographic information -- Web-based data dissemination
specification
(English Translation)**

Issued on: January 1, 1970

Implemented on: January 1, 1970

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of People's Republic of China, China National Standardization
Administration**

Table of Contents

Foreword
Introduction
1 Scope
2 Normative references
3 Terms, definitions and abbreviations
4 Data distribution basic business processes and functions
5 Data Distribution Requirements
Appendix A (informative) data distribution business processes
Appendix B (informative) data distribution system function
Reference

Foreword

This instructional document has been drafted in accordance with the rules given in GB/T 1.1-2009.

This Guidance Document is submitted by the National Geographic Information Bureau.

This guidance document is governed by the National Geographic Information Standardization Technical Committee (SAC/TC230).

The drafting of this technical guidance document. National Information Center, National Center for Geographic Information Center, Wuhan University.

Introduction

As an important basic strategic resource for national economic and social development, geographic information is more and more widely used in national, social and public affairs all aspects of life. Data distribution is one of the most important aspects of geographic information sharing activities. Its core is to solve the problem of user's knowledge and acquisition According to the channel problem, the data arrive from the provider to the user.

Traditional data distribution is mainly done manually, and after the provider prepares the data product, it disseminates data messages through various information channels Interest, the user access to data information to the designated location to purchase or order data products.

With the improvement of the application of science and technology, the demand for

geographic information in various sectors of the national economy is increasing. As for the traditional data distributor Type proposed a challenge. With the development of information technology, especially the extensive application of network technology, the emergence of network-based geographic information data distribution the way.

Network-based data distribution is mainly based on online services providers to prepare data products, the establishment of the corresponding network services, to provide users with online data discovery, preview, download, custom features, for custom products, online or offline and other access methods available.

In the process of data distribution, providers should follow the relevant safety requirements of the information security standards of the state and relevant departments.

In response to rapidly growing data needs, there is a need to guide and regulate web-based data distribution. To this end, we make this guidance document provides guidance on technical requirements for web-based data distribution in the field of geographic information.

Geographic Information Network-based data distribution specifications

1 Scope

This guidance document describes the basic business processes and functions for the distribution of geographic information data and proposes web-based geographic information the basic requirements of data distribution, and gives the reference function of data distribution service system.

This guidance document is applicable to the design, development and application of geographic information data distribution system.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Geographic Information Metadata Geographic information directory service specification

3.1 Terms and definitions

The following terms and definitions apply to this document.

3.1.1

Data distribution datadissemination Data providers (referred to as "providers") provide users with data sets and their ancillary data online or offline in a networked environment, Metadata process.

Note 1: Providers are the subject of data distribution and refer to all kinds of organizations that hold data and are able to distribute data.

Note 2: Users are data distribution service targets, which refer to various types of organizations or individuals that have data needs.

3.1.2

Catalog service catalogueservice Services that provide discovery and management of geographic information resource description information.

[GB/Z 25598-2010, Definition 3.1.2] 3.1.3 Data Catalog datacataloging Providers extract features from the content of the dataset to form the metadata.

3.1.4

Dataset

Identifiable data collection.

[GB/T 19710-2005, Definition 4.2] Note. The form of a data set can be a collection of data, a single data, a single feature or a feature attribute. A hard copy map or chart can be considered as A data set.

Example 1. One or a set of electronic maps, such as "National 1: 1 million basic scale topographic map";

Example 2. A set of vector or raster datasets, such as "1: 10000000 digital geographic base road dataset";