

ICS 35.240.99

CCS L 70



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

GB/T 28226-2011

**Information exchange format on geographical names
(English Translation)**

Issued on: December 30, 2011

Implemented on: April 1, 2012

Issued by: Standardization Administration of China

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

The standard proposed by the People's Republic of China Ministry of Civil Affairs.

This standard by the National Standardization Technical Committee on Geographical Names (SAC/TC233) centralized.

This standard was drafted. Ministry of Civil Affairs Institute of Geographical Names.

Introduction

This standard describes the use of the Geographic Names Information XML-based data format, which uses text encoding data format, and specific system, platform Nothing to facilitate between the different systems or applications to exchange data.

The standard is designed as follows.

- a) the name information into a unified heterogeneous representation to accommodate differences in the way data is stored or representation on;
- b) semantic information accurate and effective description, in passing, to read, no ambiguity when parsing and use that information;
- c) the information is easy to transport, and compatibility between different network

protocols and transmission good.

Names Information Interchange Format

1 Scope

This standard specifies the structure of the format used to exchange information on place names, indicating the basic characteristics of the swap file, property specification and coding requirements. suitable for data exchange between different systems or applications, such as information transfer and sharing between databases or file systems.

This standard is described in a generic place name information structure, provided a public and independent of the specific application name information interchange specification.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the edition are not applicable to the present file. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 7408 Data elements and interchange formats - Information interchange the date and time notation (IDTGB/T 7408-2005, ISO 8601:2000) GB/T 18521 Names and classification of coding rules for GB/T 18793-2002 Information technology - Extensible Markup Language (XML) 1.0 (neqW3CRFC-xml-19980210.

1998)

GB/Z21025-2007 XML Guide GB/T 23295.1-2009 names information service - Part 1. General

3 Terms and Definitions

Terms and definitions GB/T 23295.1-2009 defined apply to this document.

4 Abbreviations

The following abbreviations apply to this document.

BNF BNF BackusNormalForm UTC Coordinated Universal UniversalTimeCoordinated XML
Extensible Markup Language ExtensibleMarkupLanguage

5.1 Composition mode data

This standard according to GB/T 18521 classification of geographical names data into physical geography geographical names data and the number of place names of natural geographical entities it and the geographic entity is divided into several classes, these classes to XML element represents, among the elements in accordance with the

requirements of validity constraints facing each other Correctly nested. These categories at the same time divided into several sub-categories, sub-class of these elements can be recursively nested itself.

5.2 File name information exchange

Documents or document fragments 5.2.1 name information exchange in XML configuration files, including several exchange objects with clear semantics