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

**GB/T 20092-2013**

Replacing GB/T 20092-2013

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**Chinese news information content - Part 1: Concept model**

中文新闻信息置标语言

**(English Translation)**

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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.

This document is the first part of GB/T 20092 "Chinese News Information Content". GB/T 20092 has released the following parts.

- Part 1: Conceptual model;
- Part 2: News metadata;
- Part 3: XML format for data exchange.

This document replaces Chapter 6 "CNML Architecture" in GB/T 20092-2013 "Chinese News Information Markup Language", and Compared with GB/T 20092-2013, in addition to structural adjustment and editorial changes, the main technical changes are as follows.

- Deleted the principle (see 6.1 of the 2013 edition);
- Changed "CNML Architecture" to "Conceptual Model" and incorporated relevant content from the 2013 edition after changes (see Chapter 4, 8.1 and 9.1 of the 2013 version).

Please note that some content of this document may be patented. The issuing agency of

this document assumes no responsibility for identifying patents.

## Introduction

Since the release and implementation of GB/T 20092-2013, it has been used in the application system of many news media units. In recent years, the standard During the implementation process, some new application scenarios emerge constantly, resulting in some new application requirements. Part of the application system of the news media is also gradually More and more applications are used to transmit manuscripts in JSON format instead of XML format. Because the technology defined in GB/T 20092-2013 Content is mainly defined based on XML format, which has gradually not adapted to the application needs of news media, so the main purpose of this revision is to avoid Avoid restricting the standard content to a certain technology, separate the conceptual model of Chinese news information content and news metadata, and integrate news the XML format and JSON format of the information content are standardized and defined separately, so that the scope of the standard is clearer and the definition more clear.

clear.

GB/T 20092 aims to define the content of Chinese news information generally applicable to the collection, editing, generation, publishing, exchange, storage, retrieval, evaluation it is a description specification for each link of the news information life cycle, such as evaluation feedback. In order to meet the actual needs of the latest technology in the news media, the standard More usable, the standard name is changed to "Chinese News Information Content", which is planned to be composed of four parts.

--- Part 1: Conceptual model. The purpose is to establish an abstract conceptual model of Chinese news information in the news industry, and to standardize Chinese news information.

The overall structure and description of news documents provide guidance for users of news content.

--- Part 2: News metadata. The purpose is to standardize all kinds of metadata describing the content of Chinese news information, which is convenient for news media the industry information system realizes the unified expression and consistent description of information content.

--- Part 3: XML format for data exchange. The purpose is to specify the XML-based Chinese news information data exchange format, Provide technical support for the construction of news media information system.

--- Part 4: JSON format for data exchange. The purpose is to specify a JSON-based Chinese news information data exchange format, Provide technical support for the construction of news media information system.

## Chinese news information content Part 1: Conceptual Model

### 1 Scope

This document specifies the abstract conceptual model of Chinese news information in the news industry, including the document-level model, the manuscript-level model and the content-item-level model type, as well as the metadata group description mechanism, relation mechanism and controlled vocabulary mechanism.

This document applies to the collection, editing, generation, publication, exchange, storage, retrieval, evaluation and feedback of news information content and other news information life.

all aspects of the cycle. It is also applicable to news content providers and media applications such as newspapers, radio, television, news agencies, news websites, social media, etc.

use and research institutions.

### 2 Normative references

There are no normative references in this document.

### 3 Terms and Definitions

The following terms and definitions apply to this document.

metadata

Data that defines and describes metadata.

controlled vocabulary A vocabulary formed by classifying topics in the same category from a professional point of view, allowing entry modifications and changes in a controlled manner extension.

documentdocument

A collection of one or several pieces of news information content data that conforms to this conceptual model.

Manuscript item

A manageable business object contained in a document, generally with complete metadata and content, representing a complete news message or other definition information.

content item the single content contained in the entity manuscript type can contain any kind of text, pictures, graphics, audio, video and audio, multimedia, application documents files and other different types of data content and its metadata.

envelope

Complete the component structure of the news information exchange function.