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

**GB/T 23824.1-2009**

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**Information technology -- Procedures for achieving metadata  
registry content consistency -- Part 1: Data elements**

信息技术 实现元数据注册系统（MDR）内容一致性的规程 第1部分：数据元  
**(English Translation)**

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names and GB/T 18391.3 metamodel control 71 Annex D (informative) Application of an  
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References 97 Despite the differences, the purpose of this section is to ensure that the  
content of the data element attributes have a common understanding, so that metadata can  
be registered it can be shared between systems.

Pursuant to this section is GB/T 18391.3, the standard describes the organization of data management system for the registration of semantic, and conceptual model Type registration form defines the structure of the system. Purpose is not to become a conceptual model of the physical or logical data model of the computer system.

GB/T 23824.1-2009/ISO/IEC TR20943-1:2003 Information technology to achieve metadata registry (MDR) Practice content consistency - Part 1. Data Element

## 1 Scope

### 1.1 Background

Based on GB/T 18391 of the metadata registry (MDR) (hereinafter referred to as "registration system") is a work management data can be shared Tools, reference information is data about a comprehensive, authoritative sources. MDR support standardization by recording and distributing data and description Collaborative protocols to facilitate data sharing between the organizations and users. MDR provides a link between data elements and documents involved, as well as the number Contact element according to the applied information systems. When used in conjunction with a database, the registration system enables users to better understand from the Information in the database.

Registration system does not contain data itself, it contains a clear description, cataloging, classification and data analysis necessary metadata. It gives off Within the meaning of the data unit, expressed understanding and identity. This standard is used to identify the shared data element system should be decided between the meaning of letter Interest element.

### 1.2 Purpose

This section GB/T 23824 is intended to describe a set of procedures to obtain data elements and their attributes in the registration system consistency registered. Headquarters Manual data points are not, but the user guide for conceptualizing data element and its associated metadata items to be able to always establish good quality Data elements. When necessary, the organization can adopt/or increase these procedures.

1.3 Restricted range the scope of this section is limited to a data element associated with the entry. data element identifier, in particular related to the environment and shows the name and definition Example; data element concept; the meaning of the concept of domain and its value; range and allowable value.

1.4 Register data elements and methods --- range Metadata registration system registration code sets and other range, number of registered institutions regarded these collections range, while other RI See it as configuration data element. Unless explicitly stated, this section will be treated as a collection of these data elements. This choice helps to explain a variety of registration Different methods of data elements, including a standard set of codes for data element such an example.

2 Normative references the following documents contain provisions which, through reference in this text, constitute provisions of this part of the GB/T 23824 of. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section. However, under this part are encouraged to reach Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 18391.1 Information technology - Metadata registries (MDR) - Part 1. Framework (GB/T 18391.1-2009, ISO/IEC 11179-1:2004, IDT) GB/T 18391.2 Information technology - Metadata registries (MDR) - Part 2. Classification (GB/T 18391.2-2009, ISO/IEC 11179-2:2005, IDT) GB/T 18391.3 Information technology - Metadata registries (MDR) - Part 3. Registry metamodel and basic attributes (GB/T 18391.3-2009, ISO/IEC 11179-3:2003, IDT) GB/T 18391.4 Information technology - Metadata registries (MDR) - Part 4. Data defined formation (GB/T 18391.4-2009, ISO/IEC 11179-4:2004, IDT) GB/T 18391.5 Information technology - Metadata registries (MDR) - Part 5. Naming and identification principles (GB/T 18391.5-GB/T 23824.1-2009/ISO/IEC TR20943-1:2003