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

GB/T 5271.17-2010

Information technology -- Vocabulary -- Part 17: Databases

信息技术 词汇 第17部分：数据库

(English Translation)

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Foreword

GB/T 5271 "Information technology - Vocabulary" has 30 sections.

--- Part 1. Basic terminology

--- Part 2. arithmetic and logic operations

--- Part 3. Equipment technology

--- Part 4. Organization of data

--- Part 5. data representation

--- Part 6. Preparation and handling of data

--- Part 7. Computer programming

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--- Part 10. Operating techniques and facilities

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--- Part 31. Artificial intelligence - Machine learning

--- Part 32. E-mail

--- Part 34. artificial neural networks this part of GB/T 5271 Part 17.

This part identical with ISO/IEC 2382-17:1999 "Information technology - Vocabulary - Part 17. Database" (in English).

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This part of the National Information Technology Standardization Technical Committee (SAC/TC28) centralized.

1.1 Scope

This section GB/T 5271 defines the terms and definitions of database concepts, and clearly the relationship between these items.

This section facilitates domestic and international communication database concepts.

1.2 Normative references

The following documents contain provisions cited by GB/T 5271 to the present, constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section 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 2659-2000 world countries and regions name Code (eqv ISO 3316:1997) GB/T 5271.1-2000 Information technology - Vocabulary - Part 1. Basic terminology (idt ISO/IEC 2382-1:1993) GB/T 15237.1-2000 Terminology work - Vocabulary - Part 1. Theory and Applications (eqv ISO 1087-1:2000)

1.3 Principles and rules to follow

Definitions 1.3.1 entries Chapter 2 includes a plurality of entries. Each term by a few essential elements, including the index, a term or several synonymous terms and the definition of the concept of a phrase. In addition, an entry may include, for example, notes or easy to understand explanation of the concept. Sometimes the same term may be Different terms to define, or an entry may include more than two concepts described see 1.3.5 and 1.3.8 respectively.

This part of the use of other terms, such as vocabulary, concepts, terminology and definitions, its meaning is defined in GB/T 15237.1-2000 in.

1.3.2 Entry composition

Each entry includes the required elements specified in 1.3.1, if necessary, increase the number of elements. It includes the following entries in the following order Elements.

- a) index number (for all languages published in this section are the same);
- b) a term or language preferred term for the concept of a language if not expressed in terms of choice, is represented by five points symbols (); In one term, the line of dots used to represent a particular word in each case is selected;
- c) preferred term for a country (according to GB/T 4880 Rules indicated);
- d) abbreviations of terms;
- e) the allowable equivalent terms;
- f) the definition of the text (see 1.3.4);
- g) one or several examples of "cases" at the beginning;
- h) the concept of applications to "note" marked the beginning of a special case of one or several notes;
- i) entry, shared images, icons or form.

1.3.3 Entry Classification

Every part of this standard is assigned two digits of the serial number, and that "basic terms," the 01 start.

Entries are classified into groups, each group is assigned a four-digit serial number; the first two digits indicate the group in which this standard section.

Each entry is assigned a six-digit index number; the first four digits of the entry where the standard part and groups.