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

GB/T 5271.15-2008

Replacing GB/T 5271.15-1986

**Information technology -- Vocabulary -- Part 15: Programming
languages**

信息技术 词汇 第15部分：编程语言

(English Translation)

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Foreword

GB/T 5271 "Information technology - Vocabulary" is divided into 30 parts.

--- 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 processing of data;

--- Part 7. Computer programming;

--- Part 8. Security;

--- Part 9. data communication;

--- Part 10. Operating techniques and facilities;

--- Part 29. Artificial intelligence - Speech recognition and synthesis;

--- Part 31. Artificial intelligence - Machine learning;

--- Part 32. E-mail;

--- Part 34. artificial neural networks.

This section is GB/T Part 155 271, equivalent using 2382-15 ISO/IEC .1999 Information technology - Vocabulary Part 15 " Points. Programming Language "(in English).

This Part replaces GB/T 5271.15-1986 "data processing section 15 programming languages." the main difference between this part and GB/T 5271.15-1986 is a version based on the previous 26 deleting the term, the new 137.

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

1.1 Scope

Information technology to facilitate this part of GB/T 5271 international exchange. This section gives a technique associated with information processing concepts Terms and definitions, and clearly the relationship between the terms.

This section GB/T 5271 defines the various concepts of programming languages.

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 5271.1-2000 Information technology - Vocabulary - Part 1. Basic terminology (eqv ISO/IEC 2382-1:1993) GB/T 5271.2-1988 Information technology - Vocabulary - Part 2. Arithmetic and logic operations (eqv ISO/IEC 2382-2. 1976) GB/T 5271.7-2008 Information technology - Vocabulary - Part 7. Computer programming (ISO/IEC 2382-7:2000, IDT)

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 concept illustration.

Sometimes the same term by different terms to define, or an entry may include two or more concepts, see the description of each 1.3.5 and 1.3.8.

GB/T 5271 other terms used in this part, such as vocabulary, concepts, terminology and definitions, which has two meanings in GB/T 15237.1 in definition.

1.3.2 Entry composition

Each entry includes the required elements specified in 1.3.1, if necessary, increase the number of elements. The entry can include the following order Now elements.

- a) index number (for release GB/T 5271 in this section are common to all languages);
- b) a term or terms generally preferred language. The concept of language is generally preferred if there is no express term, then use five points (group A) symbol (...) indicates; in terms, a line of dots used to represent each particular case of the selected word;
- c) a country (according to GB/T 2659 Rules identification) is generally preferred term;
- d) abbreviations of terms;
- e) permit the use of 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" at the beginning of the provision of one or more annotations special circumstances;
- i) Several terms shared images, icons or form.

1.3.3 Entry Classification

A two digit serial number of GB/T 5271 to be assigned for each, for the "basic terms" start with 01.

GB/T 5271.15-2008/ISO/IEC 2382-15:1999