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

GB/T 17564.1-2011

Replacing GB/T 17564.1-2005

**Standard data element types with associated classification
scheme for electric items -- Part 1: Definitions -- Principles and
methods**

电气项目的标准数据元素类型和相关分类模式 第1部分：定义 原则和方法
(English Translation)

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Foreword

GB/T 17564 "electrical project of standard data element types with associated classification scheme" is divided into five sections.

Part 1. definition of principles and methods;

Part 2. EXPRESS dictionary mode;

Part 3. Maintenance and certification procedures;

Part 4. IEC standard data element types, component classes and terms of reference set;

Part 5. EXPRESS dictionary schema extensions.

This section GB/T Part of 117,564.

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

This section identical with IEC 61360-1:2009 "Standard data element types with associated

classification scheme for electric items - Part 1. Fixed Defined principles and methods "(in English).

This part of IEC 61360-1:2009 standard "electrical project data element types with associated classification scheme - Part 1. Definition of original and methods of "made editorial changes.

This part is GB/T 17564.1-2005 "electric components of standard data element types with associated classification scheme - Part 1.

Defined principles and methods "amendments.

Compared with GB/T 17564.1-2005, the following major technology changes.

- Expanded state management data and content sources;
- Multi-language support variable data element types and classes;
- Replacement unit supports multiple types of data elements;
- According to ISO 704 and ISO/IEC 11179-4 to improve the definition of written agreements;
- Adds definitions and descriptions.

This Part replaces GB/T 17564.1-2005 "Standard data element types of electrical components and associated classification scheme - Part 1.

Defined principles and methods. " this information structure in part by the National Electrical documentation and graphical symbols Standardization Technical Committee (SAC/TC27) and focal points.

1 Scope

GB/T 17564 Part of all of the elements into a clear and unambiguous definition of electrical technology systems used characteristics (data elements Genres) provides a solid foundation for all components including basic components, assemblies and complete systems. Although originally conceived for the electronics/electrical Gas Component information exchange basis, but this part of the definition given in the principles and methods may also be used for components and electrical systems and components Defined subsystems.

This section gives a classification hierarchy and set the applicable properties and related properties of various types in this hierarchy in order to achieve full description Characteristics of each of said objects belong.

This section applies to the exchange by definition describes the structure of the electrical system of technical data by a computer sensible form. Each exchange was There should be no ambiguity of meaning characteristic and consistent with the meaning of the name, and a

list of the characteristics associated with the definition of value that specifies the format and all quantitative values Units of measurement characteristics. There are also the following provisions.

- By defining the version and revision numbers change management features;
- Clarify and help contain application-defined annotations and notes;
- Define and specify a list of values \u200b\u200bsource;
- Graphics and formulas associated.

Note: This section is scheduled GB/T 17564 and the forthcoming GB/T 17564.2 3rd Edition and GB/T 17645 2nd Edition adapt.

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 13000.1 Information technology - Universal Multiple-Octet Coded Character Set (UCS) - Part 1. Architecture and basic multilingual flat Plane (ISO/IEC 10646-1, IDT) IEC 60027 (all parts), Letter symbols used in electrical technology IEC 60747 (all parts) Semiconductor devices Discrete devices IEC 60748 (all parts) of the semiconductor integrated circuit device ISO 639-1 language code for the representation of names - Part 1. Alpha-2 codes Principles and methods of terminology ISO 704 ISO 843:1997 Information and Documentation Greek characters are converted to Latin characters ISO 3166 (all parts) Country subdivision name and code for expression ISO 8601 Data elements and interchange formats date and time information exchange expression ISO 9735 for administration, commerce and transport of electronic data interchange (EDIFACT) - Application level syntax rules 1)

1) The standard of the United Nations Economic Commission for Europe (UNECE) trade data element dictionary (TDED), trade facilitation into the foundation.