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

GB/T 26852-2011

**Requirements concerning the interoperability between
electromechanical and electrical applications in CAX-systems
(English Translation)**

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References

Foreword

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

This standard is equivalent to using IEC/PAS62515.2007 "CAx systems electromechanical and electrical applications interoperability between requirements" (English Chinese Version).

The standard IEC/PAS62515.2007 "CAx system requirements for interoperability between electromechanical and electrical applications" in the editorial modify.

This standard by the National Electrical information structure documentation and graphical symbols Standardization Technical Committee (SAC/TC27) and focal points.

1 Scope

This standard specifies the electrical and mechanical application environment, particularly electrical and mechanical environments expressed the need for real or virtual three-dimensional world the collection of data element types.

This standard applies to industrial users evaluate the preparation checklists and guidelines when CAx software in the field of mechanical and electrical applications.

Existing standardized data element types are listed in GB/T 17564.4 in.

At time of publication, the existing data element types with the identification number indicated in GB/T 17564.4 also given data element types Names and definitions.

Standardized data element types used to support product development, design systems and equipment when automation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 3101 ~ 3102 (all parts), Quantities and units (GB 3101 ~ 3102-1993, eqv ISO 31:1992)
 GB/T 5094.1-2002 Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1. group these rules (IEC 61346-1:1996, IDT) GB/T 10609.4-2009 Technical drawings on microfilm copy of the original requirements (ISO 6428. 1982, IDT) GB/T 14690-1993 Technical Drawing ratio (eqv ISO 5455. 1979) GB/T 16901.3-2009 Graphical symbols for technical documentation - Part 3 rules represent a connection point, the network classification and coding (IEC 81714-3:2004, IDT) GB/T 17564.4-2009 Electrical components Standard data element types with associated classification scheme - Part 4. IEC Standard Number According to the reference element types and component classes set (IEC 61360-4:2005, IDT) GB/T 18656-2002 Industrial systems, installations and equipment and industrial product identification system terminals (IEC 61666:1997, IDT) GB/T 19334-2003 size low-voltage switchgear and control equipment for the electrical machine switchgear and control equipment Mechanical support standard mounting rail (IEC 60715. 1981, IDT) IEC 60027 (all parts), Letter symbols used in electrical technology ISO 128 (all parts), Technical drawings -ISO 129 Technical drawings Dimensions and tolerances ISO 406 Technical drawings line value and angle value tolerance ISO 3098 (all parts) Technical product documentation - Font ISO 5457:1999 Technical drawings drawing format and format ISO 7200:2004 Technical product documentation title bar and file header data area (Technicalproductdocumentation-Datafieldsintitleblocksanddocumentheaders) ISO 10303-42:2003 systems and integration - Product data representation and exchange of industrial automation Part 42. Integrated generic resources.

Geometric and topological representation