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

GB/T 2900.99-2016

Replacing GB/T 2900.13-2008 Partially

Electrotechnical terminology -- Dependability

电工术语 可信性

(English Translation)

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Foreword

GB/T 2900 "Electrical terminology" consists of many parts.

This part is part 99 of GB/T 2900.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part of the part of the GB/T 2900.13-2008 "electrical terminology credibility and service quality", compared to the main technical changes as follows.

--- instead of GB/T 2900.13-2008 in the 2.1 ~ 2.18 related content;

--- not included in the quality of telecommunications services (2.19 ~ 2.20), power system quality of service (2.21 ~ 2.30) and the quality of service related to the content.

This part uses the translation method equivalent to IEC 60050-192.:2015 "International

Electrotechnical Vocabulary Part 192. Credibility".

The term entry numbers in this section are consistent with IEC 60050-192.:2015 and differ from IEC 60050-192.:2015 as follows.

--- Removes the contents of Chapter 1 that do not apply to "scope".

This part is presented by the National Electrotechnical Standardization Technical Committee (SAC/TC232).

This part of the National Electrotechnical Electronics Reliability and Maintenance Standardization Technical Committee (SAC/TC24) and the national electrical terminology standardization Technical Committee (SAC/TC232).

This part of the drafting unit. Ministry of Industry and Information Technology Electronics Fifth Institute, in the machine productivity promotion center.

1 Scope

This part of GB/T 2900 specifies general terms in the field of credibility.

This section applies to all areas of credibility technology, including electrical technology applications.

2.1 Basic concepts

192-01-01

Product item

Consider the object.

Note 1: The product may be a single component,, device, functional unit, device, sub-system or system.

Note 2: The product may consist of hardware, software, personnel, or any combination thereof.

Note 3: The product is usually composed of elements that can be considered separately. See sub-products (192-01-02) and the agreed level (192-01-05).

Note 4: The term "entity" is defined in GB/T 2900.13-2008 (Appendix A gives the processing of each entry in GB/T 2900.13-2008 of this section) (Entity) "is a synonym for" product ", but it is not applicable to all situations.

Note 5: In GB/T 2900.13-2008 on the definition of the product, not so much a definition, as it is described. The new definition is an important alternative to the whole Text. The previously defined terms are given in Note 1.

192-01-02

Sub-product subitem

Consider a part of the object.

Note: Sub-products can be considered products when considered separately.

192-01-03

System (credibility field) system, independability A collection of interrelated products that together meet specific requirements.

Note 1: The system has a defined real or abstract boundary.

Note 2: System operation may require external resources (from outside the system boundary).

Note 3: The system structure can be hierarchical, such as. systems, subsystems, components and so on.

Note 4: Use and maintenance conditions should be expressed or implied in the request.

Note 5: Rewritten GB/T 2900.83-2008 defines 151-11-27, and its extension is modified to follow the content of the trust.

192-01-04

Sub-system (credibility domain) subsystem, independability A part of the system itself is also a system.

Note: The sub-system usually has a lower level of convention than its system.

192-01-05

Agreed level indenturelevel the hierarchical level in the system hierarchy.

Examples. systems, subsystems, components, and components.

Note: from the maintenance point of view, the level of agreement depends on different factors, including the complexity of product composition, accessibility of sub-products, maintenance personnel skills level, testing Equipment capacity and safety considerations.