

ICS 01.040.29

CCS K 04



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

GB/T 2900.58-2008

Replacing GB/T 2900.58-2002

**Electrotechnical terminology -- Generation, transmission and
distribution of electricity -- Power system planning and
management**

电工术语 发电、输电及配电 电力系统规划和管理

(English Translation)

Issued on: June 18, 2008

Implemented on: May 1, 2009

Issued by: Standardization Administration of China

Table of Contents

Introduction
1 Scope
2 Terms and definitions
2.1 Power System Planning
2.2 1 power grid computing
2.3 4 power system stability
2.4 Power System Control
9 2.5 Power System Reliability
11 2.6 Economic Operation
Appendix A (normative) Supplementary terms
Chinese index

Foreword

This section GB/T 2900 Part 58.

The partial modification of the use of IEC 60050-603. 1986 "International Electrotechnical Vocabulary - Part 603. Generation, transmission and distribution power system Planning and management, "and refer to the International Electrotechnical Commission 2003 document (1/1904/CD) amend the definition of some of the terms and increased Appendix A.

This part of IEC 60050-603. Compared to 1986, there is a technical difference.

--- Added Appendix A (normative) added a few on power system stability term (according to the National Science and Technology Terminology Committee Members will be validated electricity noun);

--- Modified 603-02-23,603-02-39,603-04-43,603-05-01,603-05-09,603-05-10,603-05-13 etc.

definition.

This Part replaces GB/T 2900.58-2002 "Electrotechnical terminology Generation, transmission and distribution of electric power system planning and management." this section compared with the GB/T 2900.58-2002 main changes are as follows.

--- Modify the term entry number;

--- 603-05-01,603-05-04,603-05-07,603-05-15 ~ 603-05-22 definition of "unit" to "system components";

--- Added Appendix A (normative).

Appendix A normative appendix.

This part of the National Electrotechnical Terminology Standardization Technical Committee (SAC/TC232) and focal points.

This in part by China Electric Power Research Institute, Chinese Academy of Sciences and the China Electricity Council machinery responsible for drafting.

1 Scope

This section provides electricity generation, transmission and distribution power system in the field of terminology related to planning and management.

This section applies to the planning, management, design, power generation, transmission and distribution and other areas of power system.

2.1 Power System Planning

603-01-01

Comprehensive demonstration from the technical and economic development programs proposed power system.

603-01-02

In a given supply area, and an area ratio of the load.

603-01-03

At one point the power supply area, the power supply to the region each load to its distance from the product of the sum of the point of minimum.

603-01-04

Estimates of future grid made of a desired load.

603-01-05

Estimates made on the future constitution of a power generation system is expected.

603-01-06

Under certain conditions, depending on the physical and electrical characteristics of the system coupled line determined the coupling line may transport a maximum load.

603-01-07

Within a specified number of short duration, short-circuit current of a grid element allowed.

2.2 Power grid computing

603-02-01

Use system parameters and other variables known state power grid computing system state variables made.

603-02-02

Electrical systems and state of the various variables, such as voltage, current, power, charge, flux and so on.

603-02-03

Indicates that the system element characteristics and the same amount as, for example, impedance, admittance, variable ratio.