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

GB 26859-2011

Safety code of electric power industry - Electric lines

电力安全工作规程 电力线路部分

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Foreword

Chapter 5 of this standard

7.3.4 are recommended, the rest are mandatory. This standard was drafted in accordance with GB/T 1.1-2009 given rules. The standard proposed by China Electricity Council. This standard by the National Standardization Technical Committee of high voltage electrical safety (SAC/TC226) centralized. This standard was drafted. State Grid Corporation, China Southern Power Grid Co., Ltd. The main drafters of this standard. it became Chen, Tsai Chung-ho plot, Hu Xiang, Fang Xu beginning Luoyao Guo, Deng Hua, Liu Heng Ming,

Zhang Lei, Wu moisten raw, gold collar, Chenwei Song, Yang Guangliang. Electrical safety work rules section of power lines

1 Scope

The lines half of China's mandatory safety code for electric power work - the rulebook that governs every job carried out on overhead lines, distribution equipment and power cables, from the issue of the work ticket to the removal of the last earth. It sets the basic safety requirements for electricity production units and for the people working on their sites, and it applies to generating enterprises with equipment at 66 kV and above, to transmission, substation and distribution enterprises with facilities at 35 kV and above, and to power using units with equipment at 220 kV and above; other power enterprises may apply it by reference. Apart from a single recommended provision, the whole document is mandatory. It covers the requirements on the work itself, the organisational safety measures - the work ticket, the permit, the supervision, the transfer and the closing of the work - and the technical safety measures - the switching off, the verification of absence of voltage, the earthing, the barriers and the warning signs. It then takes the work type by type: line operation and maintenance, work in the vicinity of live conductors, work on the line itself, work on distribution equipment, live line working, and work on power cables. Seven annexes give the forms the system runs on: the first and second line work tickets, the live line working ticket, the emergency repair ticket, the switching order, the shape of the nameplates, and the normative table of test items, intervals and requirements for insulating safety equipment. Issued on 29 July 2011 and in force since 1 June 2012, it is proposed by the China Electricity Council, held by SAC/TC 226 and drafted by State Grid and China Southern Power Grid. Its companion documents are GB 26860-2011 for power plants and substations and GB 26861-2011 for high voltage laboratories.

This standard specifies the electrical power production units and basic safety requirements for workers in the electricity production sites. This standard is applicable to a 66kV and above voltage level of the power generation business facilities all use electrical equipment and related sites; Transmission has 35kV and above voltage grade facilities, substation and distribution companies all use electrical equipment and related sites; having Power units using 220kV and above voltage level of electrical equipment in facilities and related sites. Other power companies and power unit Also available for reference.

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/T 2900.20-1994 Electrotechnical terminology voltage switchgear (

IEC 60050 (IEV).1994, NEQ)

GB/T 2900.50-2008 Electrotechnical terminology Generation, transmission and distribution of generic terms (

IEC 60050-601. 1985, MOD)

GB 26860-2011 electrical safety work practices power plants and substations electrical parts

3 Terms and Definitions

GB/T 2900.20-1994, GB/T 2900.50-2008 defined and the following terms and definitions apply to this document.

3.1 Low [electricity] Presser lowvoltage; LV For AC power distribution system voltage 1000V and below grade. [GB/T 2900.50-2008, the definition of 2.1 601-01-26]

3.2 High [electricity] voltage highvoltage; HV (1) usually means over-pressure voltage levels. (2) In certain cases, it refers to the power system transmission voltage level. [GB/T 2900.50-2008, the definition of 2.1 601-01-27]

3.3 Power [station] electricalgeneratingstation By the building, energy conversion equipment and all the necessary auxiliary equipment consisting of electrical energy production plants. [GB/T 2900.50-2008, in the definition of 2.3 601-03-01]

3.4 Substations (Power Systems) substation (ofapowersystem) Part of the power system, which is concentrated in a designated place, including terminals, switches and control equipment transmission or distribution lines, Buildings and transformers. Typically include power system security and control of the necessary facilities (such as protective devices).

Note. Depending on the nature of the system contains a substation can add a prefix to define the word in front of the substation. For example .(a transmission system)

Transmission and Distribution Stations, power distribution substation, 500kV substation, 10kV substation. [GB/T 2900.50-2008, in the definition of 2.3 601-03-02]

3.5 Power lines electricline Between two o'clock in the system for transmission and distribution wires, insulation and annexes facilities. [GB/T 2900.50-2008, in the definition of 2.3 601-03-03]

3.6 The use of electrical equipment operatingelectrical equipment All with a voltage, a portion of the electrical equipment with a voltage or via the operation that is supplied with a voltage.

3.7 Switching station switchingsubstation With a switch device, also typically includes bus, but no power transformer substation.

3.8 Breaker circuit-breaker Can closing, carrying, breaking the normal current run loop, but

also within the specified closing time, carrying and breaking provisions of the overload current (including Short-circuit current) of the switching device, also known as switches.

NOTE. rewrite GB/T 2900.20-1994, definitions 3.13.

3.9 Isolation switch disconnecter At the location, between the contacts have to meet the requirements of insulation distance and visible sign off; when the closing position, can carry a normal circuit Current and abnormal conditions (eg short circuit) under the current switching apparatus within a predetermined time under the conditions. [GB/T 2900.20-1994, the definition 3.24]

3.10 Personal security lines personalsecuritygroundingline For the protection of workers to prevent induction damage ground.

3.11 Double title dualtitle Line name and location of the title, the title referring to the same location multiple poles loop wire installation location, such as. on-line, off the assembly line and the center line or line-oriented Left or right line tower line number increasing direction.

3.12 Distribution equipment powerdistributionequipment Collectively referred to a region for electricity supply transformer, low voltage, line, control and measuring equipment.

4.1 Staff

4.1.1 physician identified, without prejudice to working condition (medical examination at least once every two years).

4.1.2 have the necessary safety knowledge and skills of personnel engaged in electrical work should have a shock first aid rescue method.

4.1.3 have the necessary electrical knowledge and business skills, familiar with the electrical equipment and systems.

4.2 Job site

4.2.1 job site production conditions, safety, work tools and safety equipment shall comply with the national standards or industry requirements, Safety equipment and labor protection products before use should be qualified available.

4.2.2 appropriate breaks and construction vehicles often working on someone with first aid kits, first aid supplies store, and designate a person check, supplement or replace.

4.3 Job measures

4.3.1 should work to ensure the safety of the system measures the electrical circuit (hereinafter referred to as "line") and power distribution equipment, may include job applications, Work arrangement, site investigation, a written security requirements, work permit, work monitoring, and intermittent work and end work program.