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

GB/T 2900.35-2023

Replacing GB/T 2900.35-2008

Electrotechnical terminology - Explosive atmospheres

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents"

drafting:

This document is part 35 of GB/T 2900 "Electrotechnical Terminology": GB/T 2900 has released more than 100 parts:

This document replaces GB/T 2900:35-2008 "Electrical terminology for equipment used in explosive atmospheres" and is consistent with GB/T 2900:35-2008

In addition to structural adjustments and editorial changes, the main technical changes are as follows:

---Changed the names of the subsections in Chapter 3 of this document and IEC 60050-426:2020 "International Electrotechnical Vocabulary Part 426: Explosions

Sexual environment" chapter titles should be consistent;

--- Changed term entry: 426-01-01, 426-01-03, 426-02-01, 426-02-09, 426-02-10, 426-02-22, 426-02-

25, 426-03-01, 426-03-02, 426-03-13, 426-03-16, 426-04-19, 426-04-20, 426-04-29, 426-04-30,

426-04-33, 426-06-01, 426-06-02, 426-06-08, 426-07-02, 426-07-03, 426-08-11, 426-08-14, 426-

09-12, 426-09-20, 426-09-21, 426-09-22, 426-10-02, 426-11-02, 426-11-03, 426-11-28, 426-11-

35, 426-12-10, 426-13-01, 426-20-13, 426-20-19, 426-20-34, 426-20-35, 246-20-38;

--- Added term entries: 426-01-09 to 426-01-24, 426-02-26 to 426-02-39, 426-03-28 to 426-03-30,

426-04-38 to 426-04-76, 426-08-15 to 426-08-22, 426-09-23, 426-11-43 to 426-11-53, 426-12-

11, 426-13-15, 426-13-16, 426-15-13 to 426-15-18, 426-16-02, 426-20-42 to 426-20-58;

--- Added "426-21 Devices in Explosive Atmospheres", "426-22 Miner's Lamp", "426-23 Optical Radiation in Explosive Atmospheres" and "426-24

Combustible Gas Detection" "426-25 Electrostatic" "426-26 Special Type 's'" "426-27 Explosive Atmospheres - Application of Quality Systems" "426-

28 Non-Electrical Equipment (General)" "426-29 Non-Electrical Equipment-Mining" 9 subsections;

--- Terminology entries removed: 426-02-06, 426-02-07, 426-02-08, 426-02-13, 426-02-16, 426-03-07, 426-03-

08, 426-03-09, 426-03-15, 426-03-17, 426-03-18, 426-03-19, 426-03-20, 426-04-07, 426-04-08,

426-04-27, 426-04-36, 426-04-37, 426-06-04, 426-06-06, 426-06-14, 426-06-15, 426-08-02, 426-

11-08, 426-11-13, 426-11-14, 426-11-29, 426-11-30, 426-11-31, 426-12-02, 426-12-04, 426-12-

05, 426-12-07, 426-12-08, 426-13-12, 426-13-13, 426-13-14, 426-15-03, 426-20-18, 426-20-25,

426-20-32;

---Deleted "3:5 Test of electrical equipment", "3:17 Positive pressure type (dust) 'pD'", "3:18 Pouring type (dust) 'mD'", "3:19 this

Quality Safety Type (Dust) 'iD'" 4 subsections:

This document is equivalent to IEC 60050-426:2020 "International Electrotechnical Vocabulary Part 426: Explosive Atmospheres":

The following minimal editorial changes have been made to this document:

--- In order to coordinate with the current standard, the name of this document was changed to "Electrotechnical Terminology for Explosive Atmospheres":

Introduction

The standards of this standard committee are divided into 9 categories: (1) basic concepts, (2) electrical materials, (3) instruments and meters, (4) electrical equipment, (5) electronic equipment

equipment, (6) power generation, transmission and distribution, (7) telecommunications technology, (8) special applications, and (9) standardization:

This document belongs to the fourth part of electrical equipment, which is a general and basic term for equipment used in explosive atmospheres, and can be formulated for technical standards in this field

Revision, technical exchange to provide assistance:

GB/T 2900 Electrotechnical Terminology Series National Standard Part IV "Electrical Equipment" has released 17 standards, as shown below:

---GB/T 2900:27-2008 Electrotechnical terms for small power motors: The purpose is to support technology in the field of small power motors

Preparation of standards and other documents, teaching and technical communication:

---GB/T 2900:64-2013 Electrotechnical term Time relay: The purpose is to support the technical standards in the field of time relays

Such as document preparation, teaching and technical communication:

---GB/T 2900:40-1985 Electrical terminology special equipment for wire and cable: The purpose is to support special equipment for wire and cable

Compilation, teaching and technical communication of documents such as technical standards in the field:

---GB/T 2900:18-2008 Electrotechnical terminology for low-voltage electrical appliances: The purpose is to support documents such as technical standards in the field of low-voltage electrical appliances

Documentation, teaching and technical exchange:

---GB/T 2900:41-2008 Electrotechnical terms primary battery and storage battery: The purpose is to support the field of primary batteries and storage batteries

Preparation of technical standards and other documents, teaching and technical communication:

---GB/T 2900:63-2003 Electrotechnical Terminology Basic Relay: The purpose is to support technical standards in the field of basic relays

Such as document preparation, teaching and technical communication:

---GB/T 2900:25-2008 Electrotechnical terms for rotating electrical machines: The purpose is to support documents such as technical standards in the field of rotating electrical machines

Documentation, teaching and technical exchange:

---GB/T 2900:51-1998 Electrotechnical Terminology for Overhead Lines: The purpose is to support documents such as technical standards in the field of overhead lines

Documentation, teaching and technical exchange:

---GB/T 2900:35-2008 Electrotechnical terms Equipment for explosive atmospheres: The purpose is to support technology in the area of explosive atmospheres

Technical standards and other document preparation, teaching and technical communication:

---GB/T 2900:16-1996 Electrotechnical terminology power capacitor: The purpose is to support technical standards in the field of power capacitors

Such as document preparation, teaching and technical communication:

---GB/T 2900:49-2004 Electrotechnical Terminology Power System Protection: The purpose is to support technologies in the field of power system protection

Preparation of standards and other documents, teaching and technical communication:

---GB/T 2900:70-2008 Electrotechnical Terminology Electrical Accessories: The purpose is to support documents such as technical standards in the field of electrical accessories

Documentation, teaching and technical exchange:

---GB/T 2900:7-1996 Electrotechnical term electric charcoal: The purpose is to support the preparation of documents such as technical standards in the field of electric carbon,

teaching and technology exchange:

---GB/T 2900:8-2009 Electrotechnical terms insulators: The purpose is to support the