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China Compulsory Certification Implementation Rules -
Explosion-proof Electrical Products

强制性产品认证实施规则

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0 Introduction

This Rules is established based on the safety risk and certification risk of explosion-proof electrical products. It stipulates the basic principles and requirements for the implementation of China Compulsory Certification for explosion-proof electrical products.

This Rules is used with other general implementation rules issued by Certification and Accreditation Administration (CNCA), such as “China Compulsory Certification Implementation Rules - Manufacturing Enterprise Classification Management, Certification Mode Selection and Determination”, “China Compulsory Certification Implementation Rules - Utilization of Manufacturing Enterprise Test Resource and Other Certification Results”, “China Compulsory Certification Implementation Rules - Factory Quality Assurance Capability Requirements”, and “China Compulsory Certification Implementation Rules - Factory Inspection General Requirements”.

The certification body shall, according to the general implementation rules and the requirements of this Rules, prepare the certification implementation detailed-rules; and, implement it together with the general implementation rules and this Rules.

Manufacturing enterprise shall ensure that the certified products produced can continue to meet the certification requirements.

1 Application scope

This Rules applies to Class I, Class II, and Class III explosion-proof electrical products. The product categories include: explosion-proof motors; explosion-proof electric pumps; explosion-proof power distribution device products; explosion-proof switch, control and protection products; explosion-proof starter products; explosion-proof transformer products; explosion-proof electric actuator and solenoid valve products; explosion-proof plug-in devices; explosion-proof monitoring products; explosion-proof communication and signal devices; explosion-proof air conditioning and ventilation equipment; explosion-proof electric heating products; explosion-proof accessories and Ex components; explosion-proof instrument and meter products; explosion-proof sensors; safety barrier products; explosion-proof instrument box products.

Due to the changes in the laws, regulations or related product standards, technology, industry policies and other causes which may change the applicable scope, the announcement released by CNCA shall be final and conclusive.

2 Standards for certification

Explosion-proof electrical products are certified in accordance with the standards applicable to their explosion-proof type. The explosion-proof type of the product can be one of the following, or a combination of two or more.

6.4 Time limit of the certification

Certification body shall make specific provisions on the time limit of each link of the certification; ensure that relevant work is done according to the time limit requirements. The CLIENT must actively cooperate with the certification activity. In general, within 90 days since the certification entrusting is accepted, certificate will be granted to CLIENT.

7 After-certification supervision

After-certification supervision refers to the supervision carried out by the certification body on the certified product and its manufacturing enterprise. Certification body shall consider the classification management and actual situation of the manufacturing enterprise; clarify the specific requirements for selecting the method of after-certification supervision in certification implementation detailed-rules.

7.1 After-certification follow-up inspection

7.1.1 Principles for after-certification follow-up inspection

Based on manufacturing enterprise classification management, certification body shall implement the effective follow-up inspection to the certified product and its manufacturing enterprise, so as to validate that the quality assurance capability of the manufacturing enterprise continuously complies with the certification requirements; and ensure that the certified products are continuously in accordance with standards' requirements; and maintain the conformity with type test samples.

The after-certification follow-up inspection shall be carried out in the normal production of the manufacturing enterprise, preferably by way of not notifying the party to be inspected in advance. For those products that are not continuously manufactured, CLIENT shall provide the relevant production plan to certification body, so that the after-certification follow-up inspection can be conducted effectively.

7.1.2 Content of after-certification follow-up inspection

Certification body shall, according to "China Compulsory Certification Implementation Rules - Factory Quality Assurance Capability Requirements", formulate specific content such as after-certification follow-up inspection requirements, product conformity inspection requirements, and manufacturing enterprise quality control test requirements; and clarify them clearly in certification implementation detailed-rules.

7.2 Factory on-site sampling test

7.2.1 Principles of factory on-site sampling test

In principle, factory on-site sampling test shall cover the explosion-proof type and product category involved in the certified product.

If the validity period of the certificate expires and it is necessary to continue to use it, within 90 days before the validity period of the certificate expires, CLIENT shall put forward the certification entrusting. If the newest “after-certification supervision”, within the certificate validity period, is PASS, then certification body shall directly renew the certificate after receiving the certification entrusting.

8.2 Change of products covered by the certificate

After the product is certified, if the critical components and materials used in the product, the structure and parameters related to explosion-proof safety are changed, or other matters specified by the certification body in the certification implementation detailed-rules change, the CLIENT shall submit a change entrusting to the certification body and obtain approval / complete the record before implementing the change.

8.2.1 Change entrusting and requirements

Certification body shall clarify the specific requirements of certification change in certification implementation detailed-rules, including the scope and procedure of certification change.

For the changes of same-product and same-content that belong to multiple manufacturing enterprises of the same manufacturer, CLIENT may only submit once for change entrusting. The certification body shall associate the certificate involved in the change.

8.2.2 Evaluation and approval of change

Based on the content changes, certification body shall evaluate the information provided, to determine whether it can approve the changes. If it requires sample testing and / or factory inspection, it shall approve the change after the testing and / or inspection is PASS. In principle, it shall use the original representative-model samples that were conducted for full type test AS the basis of change evaluation.

8.2.3 Change filing

For the changes of critical components and materials used in the product and structures and parameters related to explosion-proof safety, under the condition that it is unnecessary to provide sample for test, it may be determined and approved by the certification technical responsible person of the manufacturing enterprise who has been recognized by the certification body. The relevant records shall be preserved and filed to the certification body. Certification body shall conduct the verification when it conducts after-certification supervision; if necessary, conduct the verification test.

The certification body shall clearly clarify the relevant requirements to certification technical responsible person in certification implementation detailed-rules.

8.3 Extension of products covered by the certificate

The uniformly-printed standard specification CCC mark must be placed on the obvious position of the certified product body. If the CCC mark is printed / molded, the CCC mark shall be printed or molded on the nameplate or the obvious position of the product body. If the CCC mark cannot be applied to the body, the CCC mark must be applied to the smallest package of the product and in the accompanying documents.

10 Charges

The certification fee is charged in accordance with the China Compulsory Certification fee standard published by the certification body and the laboratory.

11 Certification responsibility

Certification body shall be responsible for the certification conclusion made by it.

Laboratory shall be responsible for the test results and test reports.

Certification body and the factory inspector appointed by it shall be responsible for the factory inspection conclusion.

CLIENT shall be responsible for the submitted entrusting materials and samples' authenticity and legality.

12 Certification implementation detailed-rules

According to the principle and requirements of this Implementation Rules, certification body shall formulate scientific, reasonable and feasible certification implementation detailed-rules. Certification implementation detailed-rules shall be publicly announced and implemented, after filed to CNCA. Certification implementation detailed-rules shall at least include the following contents:

- (1) Certification procedure and time limit requirements;
- (2) Selection of certification mode and relevant requirements;
- (3) Details and relevant requirements of unit division;
- (4) Classification management requirements of manufacturing enterprise;
- (5) Certification entrusting materials and relevant requirements;
- (6) Requirements for sample test (including the requirements for type test, factory on-site sampling test, test by utilizing testing resources of manufacturing enterprise);
- (7) Initial factory inspection and after-certification supervision requirements (including coverage requirements of factory inspection, enterprise quality assurance capability and product conformity inspection requirements, manufacturing enterprise quality control test requirements, quality control test requirements for critical components and materials, factory inspection

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