

Translated English of Chinese CCC Regulations: CNCA C04-01:2014

Translated by: www.ChineseStandard.net

Sales@ChineseStandard.net

Wayne Zheng et al.

CNCA / CCC

Serial No.: CNCA-C04-01:2014

CNCA-C04-01-2014

Compulsory Product Certification Implementation Rules - Small-power Motors

强制性产品认证实施规则

小功率电动机

CNCA-C04-01-2014 How to BUY & immediately GET a full-copy of this standard?

1. www.ChineseStandard.net;
2. Search --> Add to Cart --> Checkout (3-steps);
3. No action is required - Full-copy of this standard will be automatically & immediately delivered to your EMAIL address in 0~25 minutes.
4. Support: Sales@ChineseStandard.net. Wayne, Sales manager

Issued on: July 16, 2014

Effective on: September 1, 2014

Issued by: Certification and Accreditation Administration of the People's
Republic of China (CNCA)

About the translator Wayne Zheng

Wayne Zheng was borne in China in 1962 and migrated to Singapore in 1992. He is now the Sales Manager (Founder and Managing Director) at www.ChineseStandard.net. Wayne Zheng had more than 10 years extensive expertise and hands-on working experiences, through his then-employment as “China Certification Program Manager” at BlackBerry Beijing, and “Product Safety & Compliance (PS&C) Manager” at Motorola Singapore:

- CNCA / China Compulsory Certification (CCC) regulations.
- Hands-on program experience with regulator CNCA for CCC mark’s compliance, approval and management.
- Was an authorized representative by then-employer BlackBerry (RIM) to liaise with Chinese regulators, authorities, certification bodies and designated laboratories – including CNCA, CQC, Beijing Communication Authority, Beijing Administration of Quality Supervision Inspection and Quarantine.
- Hands-on program experience with certification body CQC for “certification entrusting”, type test, initial factory audit, regular / annual factory audit (i.e. the “supervision after certification” in this Rules).
- Manage, plan, guide and site-visit the global factories / suppliers’ global factories (i.e. the “manufacturing enterprises” in this Rules) in North America, Europe and China for CQC initial factory audit and regular annual factory audit (supervision after certification).
- ISO Process Auditor, certified by Motorola USA & Motorola Singapore
- PMP, certified by Project Management Institute USA.

Wayne Zheng’s Linked-in profile:

<https://www.linkedin.com/in/waynezhengwenrui>



A full copy of this document (Translated English, true-PDF and/or MS-Word) can also be purchased from www.ChineseStandard.net (Search “CNCA”). Lead time to deliver: <2 hours in office time; <10 hours in off-office time.

Contact: Sales@ChineseStandard.net; wr.zheng@gmail.com

Table of Contents

0 Introduction	4
1 Application scope	4
2 Standards for certification.....	4
3 Certification modes	5
4 Classification of certification units	5
5 Certification entrusting	6
6 Certification implementation.....	6
7 Supervision after certification	8
8 Certificate	10
9 Certification marks	11
10 Charges	12
11 Certification responsibility.....	12
12 Certification implementation details.....	12

0 Introduction

This Rules is established based on the security risk and certification risk of small-power motors. It stipulates the basic principles and requirements for the implementation of compulsory product certification for small-power motors.

This Rules can be used with other general rules issued by Certification and Accreditation Administration (CNCA), such as “Compulsory Product Certification Implementation Rules - Manufacturing Enterprise Classification Management, Certification Mode Selection and Determination”, “Compulsory Product Certification Implementation Rules – Manufacturing Enterprise Testing Resource and Utilization of Other Certification Results”, “Compulsory Product Certification Implementation Rules - Factory Inspection General Requirements”.

The certification body shall make principles for certification according to the general implementation rules and this Rules and implement them accordingly.

Manufacturing enterprise shall ensure that their certified products are capable of sustaining the compliance with the certification and are compatible with the requirements of the standards.

1 Application scope

This Rules applies to small-power motors for driven use of which the rated voltage is above 36V (excluding 36V); DC is 1500V; AC is below 1000V, including:

- (1) When the rotating speed is converted to 1500 r/min, the various types of AC asynchronous motors and AC synchronous motors of which the maximum continuous rated power is not greater than 1.1 kW;
- (2) AC commutator motors and DC motors of which the maximum continuous rated power is not greater than 1.1 kW.

Note 1: The rated power is $\leq$ synchronous speed $\times$ 1.1 kW / 1500.

Note 2: It does not include explosion-proof motors and control motor (such as servo motors, stepper motors, selsyn, resolver, tachometer generators, induction phase shifters, etc.).

Note 3: It does not apply to multi-voltage, multi-speed motors of which a rating is over the above application range.

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

GB 12350 Safety requirements of small-power motors

GB 14711 General requirements for safety of small and medium size rotating electrical machines

In principle, the latest versions of above standards that are issued by the National Standardization Administration shall be executed. When other versions are required to use, then it shall be executed according to the applicable relevant standards issued by the State Certification and Accreditation Administration (CNCA).

3 Certification modes

The basic certification mode of implementing the compulsory product certification for small-power motors is:

Type test + initial factory inspection + supervision after certification;

“Supervision after certification” in above basic certification mode refers to 1 of the 3 modes – after certification, follow-up inspection and factory on-site sampling testing OR inspection and sampling testing in the market OR inspection.

The certification body shall follow the requirements of “Compulsory Product Certification Implementation Rules - Manufacturing Enterprise Classification Management, Certification Mode Selection and Determination” to carry out the classification management to manufacturing enterprise; consider the results of classification management; on the basis of basic certification mode, appropriately increase the combination of supervision mode after certification, so as to determine the certification mode that is applicable to certification client [TRNASLATOR NOTE is not part of this Rules. Translator note: “certification client”, the counterpart of certification body, refers to the Applicant / Manufacturer or its proxy (Power of Attorney). For ease of reading, hereinafter abbreviated as “CLIENT”].

4 Classification of certification units

In principle, the units shall be divided according to the motors' type, use purpose, structure, winding materials, insulation levels, and working duties. In implementation, the division of application unit can also be appropriately adjusted according to factors such as product specifications and working principles. For the same product that is of same manufacturer but of different manufacturing enterprises, or for the same-model product that is of different manufacturers and of same manufacturing enterprise, it may consider to only conduct the type test on the samples of 1 unit. The products of other manufacturing enterprises / manufacturers shall provide documents for consistency inspection.

The certification body shall base on the relevant provisions and documents issued by the Certification and Accreditation Administration (CNCA), consider the manufacturing enterprise classification management, and clearly define the specific requirements of unit division in certification implementation details.

7.2.1 Principles of factory on-site sampling test or inspection

If it adopts “factory on-site sampling test or inspection” to implement the supervision after certification, then CLIENT, manufacturer and manufacturing enterprise shall cooperate.

7.2.2 Contents of factory on-site sampling test or inspection

Certification body shall formulate the contents and requirements of factory on-site sampling test or inspection in the certification implementation details. The manufacturing enterprise shall send the samples to designated laboratories.

Certification body may also, according to "Compulsory Product Certification Implementation Rules – Manufacturing Enterprise Testing Resource and Utilization of Other Certification Results", formulate the corresponding management procedure. utilize the manufacturing testing resource to conduct test (or witness test); and the designated laboratories issue the test reports. Certification body shall clearly define the specific requirements and procedure in certification implementation details.

7.3 Market sampling test or inspection

7.3.1 Principles for market sampling test or inspection

If it adopts “market sampling test or inspection” to implement the supervision, CLIENT, manufacturer and manufacturing enterprise shall cooperate; and confirm the samples that are sampled from market.

7.3.2 Contents of market sampling test or inspection

Certification body shall formulate the contents and requirements of market sampling test or inspection in the certification implementation details.

7.4 Frequency and time of supervision after certification

Based on manufacturing enterprise classification management, certification body shall adopt different frequency of supervision after certification to different types of manufacturing enterprises. The supervision time shall be made in a reasonable way. Detailed requirements shall be specified in the certification implementation details.

7.5 Records of supervision after certification

Certification body shall appropriately record and archive the process of supervision after certification, so that the process and results are traceable.

7.6 Evaluation on supervision after certification

Certification body shall comprehensively evaluate the conclusion of follow-up inspection; conclusion of sampling test or inspection; and relevant materials / information. If the evaluation is PASS, it may continue to maintain the certificate and use of certification mark. If the evaluation is Not-PASS, certification body



9.2 Marking method

It may adopt the standard-specification certification marks that are unified-ly printed by CNCA, or non-standard-specification printed or molded certification marks.

10 Charges

Certification body and laboratory shall base on the national provisions of compulsory product certification fees to charge the fees.

Certification body shall, based on the initial factory inspection fees, after-certification supervision re-inspection man-day fees in national provisions of compulsory product certification fees, reasonably determine the specific man-day fees.

11 Certification responsibility

Certification body shall be responsible for the certification results.

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

Certification body and its inspectors shall be responsible for the factory inspection conclusion.

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

12 Certification implementation details

Certification body shall formulate scientific, reasonable and feasible certification implementation details, according to the principle and requirements of this Rules. Certification implementation details shall be publicly announced, after filed to CNCA. Certification implementation details shall at least include the following contents:

- (1) Certification procedure and time limits;
- (2) Certification mode and relevant requirements;
- (3) Details and relevant requirements of unit division;
- (4) Classification management requirements of manufacturing enterprise;

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----