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Compulsory Product Certification Implementation Rules - Vehicle Horn

强制性产品认证实施规则

机动车喇叭

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- 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).
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Table of Contents

0 Introduction	4
1 Application scope	4
2 Standards for certification.....	4
3 Certification modes	4
4 Classification of certification units	5
5 Certification entrusting	5
6 Certification implementation.....	6
7 Supervision after certification	9
8 Certificate	11
9 Certification marks	13
10 Charges	13
11 Certification responsibility.....	13
12 Certification implementation details.....	14
Attachment 1: Product description of vehicle-horn	15
Attachment 2: Production consistency requirements	16
Appendix 1: Factory quality assurance capability requirements.....	18
Attachment 3: Certification implementation of service parts for the after-sales maintenance for vehicles out of production.....	24

0 Introduction

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

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 the vehicle-horn products of: M-, N-, L3- L4-, and L5-type motor vehicles, and that are driven by electricity or compressed air.

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 15742 Performance requirements and test methods of horn for motor vehicles

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 vehicle-horn 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 vehicle-horn” products of the same-function, produced by the same-producer (manufacturer) and same-manufacturing enterprise (location), and having no significant difference in the following aspects could be classified as one certification unit:

- (1) Working principle and category;
- (2) Assembly shape and number of sound emitting units;
- (3) Shape and dimensions of the diaphragm;
- (4) Shape and category of sound outlet;
- (5) Rated sound frequency;
- (6) Rated voltage / rated pneumatic pressure.

In principle, CLIENT shall put forward the certification entrusting based on the principle of unit classification. It may include multiple “models (or specifications)” products in a same-unit. Same-model refers to those products of which the design has no impact to standard compliance.

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.

5 Certification entrusting

5.1 Application and acceptance of certification entrusting

CLIENT must put forward the certification entrusting to the certification body, in

the following contents:

- a. The structure and parameters of the products to be certified;
- b. Designated test in factory on-site (selected from production consistency control plan).

If no un-conformance product is found, the inspection result is qualified;

If un-conformance products are found, factory is allowed to make rectifications. Certification body adopts appropriate way to confirm the rectification results. The rectification time must not be more than **3 months**. If the rectification cannot be finished on time, or the rectification results are not conformant, the inspection result is unqualified.

If there is significant deviation between production consistency control plan and its implementation situation, or the structure and parameters of the actual products are significantly different from the type test samples, the inspection result is disqualified, and this certification is terminated.

6.3 Certification evaluation and approval

Certification body shall make a comprehensive evaluation to the type test, factory inspection results and relevant information / materials. If the evaluation is PASS, the certificate will be granted according to certification unit. If not, the certification is terminated.

6.4 Time limit of the certification

Certification body shall make specific provisions on each steps of the certification, and determine all relevant work to be done within the time limit. CLIENT shall cooperate with the certification body actively. In general, certificate will be granted to CLIENT within **90 days**, since the certification entrusting is accepted.

6.5 Service-parts of vehicles out of production

The requirements of entrusting and certification implementation are shown in **Attachment 3**.

7 Supervision after certification

Supervision after certification refers to the supervision implemented to the certified product and manufacturing enterprise. Certification body shall consider the classification management and actual situation of the manufacturing enterprise, and clarify the specific requirements for selecting the method of supervision after certification in certification implementation details.

7.1 Follow-up inspection after certification

7.1.1 Principles for follow-up inspection after certification

Use of the certificate shall comply with the requirements of “Compulsory product certification management method”.

9 Certification marks

The management and use of certification marks shall comply with the provisions of “Compulsory product certification management method”.

9.1 Mark style permitted to use

The certified vehicle-horn shall use Safety-type (S) certification mark. The style is as follows:



9.2 Use requirements

The compulsory product certification marks shall be printed or molded with non-standard specification. The marks shall be preserved permanently. The mark shall be easily seen without damaging the vehicle and the certified products.

According to the characteristic of the product and process, the printing or molding marks can be completed in any stage of the product production.

The certification mark shall be printed / molded on appropriate position of certified product's body.

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.

2.7. Factory's quality assurance system shall be formulated based on actual condition in factory and referred to requirements in Appendix 1 of this Attachment.

It may accept certificate such as ISO 9001, ISO/TS16949 (the range in which shall cover the products) or meet equal evaluation standards in Appendix 1 of this Attachment. CLIENT shall provide the information relevant to Appendix 1. Submit it as the quality assurance capability control plan. And promise to inform certification body when there is change that affect the effectiveness and applied range. For factories without standard certificate like ISO 9001, ISO/TS16949 or other equivalent evaluation certificate, it can establish the quality assurance system by reference to Appendix 1. Meanwhile, factory shall accept the quality system compliance inspection by certification body.

3. Production consistency on-site inspection

Initial factory inspection is the inspection that is targeted to the factory and audited by certification body to determine the implementation situation of production consistency control plan.

4. Performance report of production consistency control plan

Performance report of production consistency control plan is the file description about the performance of production consistency control plan. The report shall describe item-by-item the efforts and important changes of production consistency control. For production inconsistency, it needs to emphasize and describe the reasons, handling and traceable results, and the adopted corrections and preventive measures.

5. Supervision inspection of production consistency

Factory inspection team shall examine the implementation report and situation of production consistency control plan, on site of the production consistency control, and according to requirements of certification body.

5.1. During the supervision inspection, factory shall guarantee that:

5.1.1. Inspectors shall be able to obtain the experiment record and production record, when supervision inspection every time.

5.1.2. If the experiment condition is appropriate, inspector can choose samples randomly and make test in factory's laboratory. The experiment items and minimum quantity of samples can be made based on factory's self-inspection requirements.

5.1.3. If production inconsistency is found, certification body shall take all necessary steps to urge factory to recover its consistency.

6. When factory production consistency control plan is changed, factory shall put forward the change description. Then, certification body determines if it needs to immediately conduct on-site inspection according to the impact on production consistency.

capability.

Where appropriate, factory shall use statistic technology.

5. Inspection and Test Equipment

5.1. Basic requirements

Factory shall be equipped with sufficient testing equipment, ensure that they are capable to meet the requirements of inspection and testing in mass production when they are used in purchasing, manufacturing and final testing. Personnel shall use those testing equipment correctly, masters their requirements, and implements them effectively.

5.2. Calibration and verification

Inspection instrument and test instrument used to confirm if the products are qualified shall be calibrated and verified to conform with the regulated rules. And the period of calibration and verification can be set by the situation of operating frequency and calibration history. For internal calibration, factory shall formulate the calibration methods, acceptance standards and calibrating period. Calibration and verification standards shall meet national and international standards. Status of calibration or verification of equipment and instruments shall be easily recognized by staffs. Factory shall preserve the record of calibration and verification of equipment.

If the calibration and verification are entrusted to external agency, factory shall confirm the external agency are capable of doing calibration and verification, and preserve the records of capability evaluation.

Note: For critical monitoring measurement equipment in production process control, factory shall manage according to the requirements of product certification implementation rules / details.

5.3. Laboratory management

Factory shall define the internal experimental scope in laboratory. It includes the ability of testing, experiment and calibration.

External laboratory, business laboratory and independent laboratory that provide services to the factory shall define the scope. It includes the ability of testing, experiment and calibration.

6. Control of Non-conforming Product

6.1. Factory shall take measures of marking, isolation and handling to avoid the unintended use and delivery of unqualified products when these are discovered in purchasing process, manufacturing process and testing process.

Factory shall establish procedure instructions for rework and re-repair, including that the repaired and reworked product shall be re-tested. The repairing for important components and parts shall be recorded.

8. Supervision after certification

Certification body shall consider the manufacturing enterprise classification management and actual situation, formulate a specific plan according to their different supervision method after certification.

The follow-up inspection and/or factory on-site inspection and market sampling test can be in accordance with the standards to which the product was type tested.

During the follow-up inspection, if there is same-category product (not vehicle out of production) obtain the certificate, it is allowed to conduct follow-up inspection or factory on-site inspection on the other same-category products. That is, the after-sales service part of vehicle out of production are not required to be on production.

If there is no same-category products (not vehicles out of production) obtaining the certificate, then:

For in-warehouse type of the after-sales service part of vehicles out of production, the enterprise shall provide evidence for the consistent conformity to relevant requirements. If certification body is not satisfied or doubtful about the evidence, they can conduct factory on-site sampling inspection and test.

For order-form type of the after-sales service part of vehicles out of production, the enterprise shall provide the production record within two years, and shall implement the verification test and maintain the record. Certification body can conduct factory on-site sampling inspection and test.

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