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China Compulsory Certification Implementation Detailed-Rules

Safety-Belt of Motor Vehicle

汽车安全带

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China Quality Certification Center

Foreword

This Implementation Detailed-Rules is formulated on the basis of "*Implementing Rules for China Compulsory Certification* - Safety-Belt of Motor Vehicle" (CNCA-C11-04:2014). It is issued by the China Quality Certification Center.

Formulating organization: China Quality Certification Center

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0. Introduction

"China Compulsory Certification Implementing Detailed-Rules - Safety-Belt of Motor Vehicle" (hereinafter referred to as Detailed-Rules) is compiled based on the requirements of "Implementation Rules for China Compulsory Certification - Safety-Belt of Motor Vehicle" (CNCA-C11-04:2014) (hereinafter referred to as Implementation-Rules). This Detailed-Rules is used together with the Implementation-Rules as supportive document.

The product scope, certification basis and all other contents of this Detailed-Rules shall comply with relevant provisions of Implementation Rules. It shall also be adjusted according to the Notices such as defined directory and directory adjustment that are issued by Certification and Accreditation Administration of China (hereafter referred to as CNCA).

In accordance with the provisions of Implementation Rules, following the principles of maintaining the effectiveness of product certification, improving quality of product, serving certification companies, and controlling risk of certification, CQC formulates and issues this Detailed-Rules. Through establishing the classification management requirements of manufacturing enterprises, and combining the classification of manufacturing enterprises, this Detailed-Rules determines the implementation requirements for China Compulsory Certification of Door locks and door retention components for motor vehicles" (hereinafter referred to as Door-locks).

0.1 Terms and definitions

0.0.1 Testing at Manufacturer's Premises (abbreviated as TMP mode)

It means that the engineers of designated laboratory use the testing equipment in the factory laboratory to conduct testing. The factory shall dispatch test personnel to provide assistance. The designated laboratory will examine, approve and issue the test report.

0.1.2 Witnessed Manufacturer's Testing (abbreviated as WMT mode)

It means that the engineer of designated laboratory witnesses the factory laboratory's test conditions and all tests completed by using the laboratory's equipment or according to the test plan submitted; or witnesses part of the test conditions and the test items. Test personnel of the factory laboratory shall provide the original records and draft up the test report together with the engineer of designated laboratory according to relevant provisions. The designated laboratory shall audit, approve and issue the test report.

0.2 Classification Management Requirements of Manufacturing Enterprises

CQC collects and sorts-out all the information related to certification products and quality related to manufacturing enterprises; and uses dynamic classification management for manufacturing enterprises. certification entrusting client [hereafter abbreviated as CLIENT], manufacturer and manufacturing enterprise shall make cooperation with it.

CQC classifies the manufacturing enterprises into 4 categories - A, B, C and D.

Quality information that is based to classify the manufacturing enterprises shall at least include the following aspects:

(1) results of factory inspection (including the initial factory inspection and after-certification follow-up inspection);

(2) results of sample test and / or supervision sampling test (including type test, production on-site sampling or market sampling, etc.);

(3) inspection results of national-level or provincial-level sampling, CCC special sampling, etc.;

(4) the cooperation conditions of CLIENT, producers (manufacturers) and manufacturing enterprises for after-certification supervision;

(5) judicial decision, arbitration of complaint and appeal, media exposure, quality information feedback of consumers, etc.;

(6) quality conditions of the certified products;

(7) other information.

Classification principles of manufacturing enterprises are shown in following table.

Table 1 Classification principles of manufacturing enterprises

Category	Classification principles
A	Category B enterprises provide CQC with compliance documents. CQC performs comprehensive risk evaluation of the collected quality information and the documents provided by Category B enterprises. Then CQC determines the classification result. The evaluation contents include at least following aspects: 1. Factory inspection: Initial factory inspection / after-certification follow-up inspection in the recent two years (including current year) has no non-conformance item that affects the product conformity; 2. Product test result and sampling test result: after-certification supervision test in recent two years (including current year) have no non-conformance item; and all national-level and provincial-level inspection, and CCC special inspection are concluded as qualified. 3. Product test capacity: Manufacturing enterprise (or its manufacturer, parent company) shall have the test capacity required by the certification standards (conforming to Chapter 5 Technical Capacity Requirements of GB/T 27025 (IEC 17025). 4. Product volume: The volume of CCC certificate-covered products maintains at certain level during supervising period; 5. Other information related to the certified products and quality of relevant manufacturing enterprises.

Requirements of Testing Resources and Other Certification Results of the Manufacturing Enterprise" and the certification standards, then the CLIENT, manufacturer, or manufacturing enterprise can apply for testing to utilize the testing resources of the manufacturing enterprise (hereinafter referred to as the factory laboratory) and perform the self-inspection. The self-inspection result and relevant materials shall be submitted to CQC for review. The factory laboratories of which the materials pass the review are allowed to perform TMP or WMT (hereinafter also referred to as on-site test) with factory laboratory resources.

In principle, CQC shall not organize inspection only for factory laboratory. Generally, factory laboratory inspection application of the CLIENT shall be proposed together with on-site test application. CQC shall organize the technical specialists from designated laboratories to perform both inspections. Inspection group shall inspect the laboratory capability first; and keep the relevant inspection and assessment record; after conformance, then perform production on-site inspection.

0.3.3 Qualification maintenance

CQC shall perform regular (such as once a year, or adjusted according to frequency) supervision to the certified factory laboratory. In principle, laboratory supervision shall be made together with after-certification supervision. Factory laboratory shall take part in contrast test to ensure the test accuracy and maintain the qualification.

When it is needed by the manufacturing enterprise, it can perform single test in response to the on-site test raised by CLIENT; the test result is only applicable to this on-site test. The factory laboratory may be exempted from supervision to maintain the qualification. When there is same-item requiring for on-site test, application for approval shall be made again.

1. Application scope

It applies to the safety-belt products that are installed on the seats of M-, N-category motor vehicles and that are acted as the independent devices and used independently by adult passengers.

Scope adjustment due to change of relevant laws or regulations, relevant product standards, technologies and industry policies and other factors shall be subject to the notice issued by the CNCA.

2. Certification standards

GB 14166-2013 Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems for occupants of power-driven vehicles

GB 8410-2006 Flammability of automotive interior materials

arrive the laboratory); time for correction and retest due to sample failure or test items failure is not counted in it. Time-limit of new test after correction is the same as type test.

6.1.5 Type Test Report

CQC shall formulate the unified format of type test report.

The laboratory shall issue type test reports in the unified format. The laboratory and its related personnel shall be responsible for correctness of the content and test conclusions of the type test reports made by them. The laboratory shall issue type test report to CQC and to CLIENT timely when test is completed. Test report shall include descriptions of related information of other products in the unit (when required by CQC) and of certification.

CLIENT shall ensure that it be able to provide certification body and law enforcement departments with complete and valid type test report during after-certification supervision.

6.2 Initial Factory Inspection

6.2.1 Basic Requirements of Factory Inspection

6.2.1.1 Manufacturers or manufacturing enterprises shall abide by the requirements in Attachment II of the Implementation-Rules to establish, implement and sustainably maintain the production conformity control system; make sure that the certified products sustainably satisfy the requirements of compulsory product certification.

Factory inspection refers to the evaluation, made by the certification body, if the production conformity control system of manufacturers or manufacturing enterprises can comply with certification requirements. Initial factory inspection shall be carried out based on: production conformity control plan review + production conformity factory on-site inspection. In principle, the initial factory inspection shall be completed within one year after the type test is qualified, otherwise, the type test of products shall be made again.

6.2.1.2 Definition of factory inspection objects and coverage requirements

Factory of compulsory product certification refers to: the site at where the final assembly and/or test of certified products is made and at where the certification mark is applied. When above processes cannot be done at one site, CQC reserves the right to make further inspection at other sites.

Factory inspection shall cover “application certification / certified products” and all “processing sites”. “Processing sites” refer to all departments, sites, staffs and activities related to product quality certification. “application certification / certified products” refer to the products covered by production conformity control plan. CQC can carry out the production conformity inspection at the sites of the CLIENT and manufacturer etc., if such inspection specified in Attachment II of Implementation-Rules cannot be completed at the production site.

6.2.2 Review of Production Conformity Control Plan

6.2.2.1 Implementation of review

Manufacturers or manufacturing enterprises shall establish production conformity control plan in accordance with Attachment II of the Implementation-Rules and Attachment I of this Detailed-Rules, and submit the plan to CQC for review. CQC shall notice the CLIENT with the review result.

Review shall be approved if the plan can satisfy the requirements, otherwise, the manufacturers or manufacturing enterprises shall make correction and submit the plan again. CQC shall make further review and notice the CLIENT with the review result.

6.2.2.2 When production conformity control plan is approved, CQC shall establish factory site inspection plan for production conformity. The inspection plan shall include the products to be inspected, sites and scope.

6.2.2.3 Review period for production conformity control plan depends on unit number of applied products, and takes production scale of factory into consideration. Generally, the review period is one or two man-days for each factory.

6.2.3 Factory site inspection for production conformity

6.2.3.1 Implementation of factory site inspection

Generally, production conformity inspection shall be made at factory site, after type test and review of production conformity control plan are approved. According to the needs, type test and factory site inspection may also be made at the same time.

CQC delegates the compulsory product certification inspectors with national registered qualification to form an inspection team to make the site inspection of production conformity in accordance with Attachment II of the Implementation-Rules. Entrusted certification products shall be in production during the factory site inspection. When necessary, site inspection can be extended to sites of the CLIENT and manufacturer.

6.2.3.2 When performing factory site inspection, the inspection team shall randomly sample qualified products at the processing site to carry out following inspections, including but not limit to:

(1) Structure and parameters of certified products, including model, specification, and critical components;

(2) On-site designated test of certified products (selected from production conformity control plan).

6.2.3.3 Result of factory inspection

(1) Inspection result shall be qualified if there is no unqualified item;

(2) Unqualified items in factory inspection are allowed to be corrected, and the certification body shall adopt reasonable manner to confirm the correction result. Correcting time shall not exceed 3 months. If the correction is not finished within 3 months, or correction result is not qualified, the inspection result shall be unqualified.

(3) If it is found that production conformity control plan significantly deviates from the implementation, or produced products have significant difference in structure and parameters with type test samples, then the inspection result is unqualified.

If inspection result is unqualified, then the certification is terminated.

6.2.3.4 Inspection time

Factory on-site inspection time depends on unit-quantity of entrusted certification products, and shall take production scale of the factory into consideration. Generally, inspection time for each factory is 2 ~ 4 man-days .

6.2.3.5 When performing compulsory product certification, CQC may, according to the actual conditions, decide not to test some of the items as specified in Appendix I of the Attachment 2 of the Implementation-Rules, provided the factory has secured service and management system certificate issued by the CNCA-authorized organizations and the certificate is valid. Other test items in initial factory inspection shall not be exempted.

6.3 Certification Evaluation and Determination

CQC shall comprehensively evaluate type test result, initial factory inspection result, and other related materials/information. If the evaluation is approved, then certificate shall be issued according to certification-unit, otherwise, the certification is terminated. After termination, the certification shall be applied again if it is still wanted.

6.4 Certification Time-limit

CQC shall make clear time-limit to each application procedure, and make sure that related procedures can be completed on time. CLIENT shall provide full collaboration. Generally, certificate shall be issued to CLIENT within 90 days since acceptance of certification.

6.5 Service-parts of discontinued vehicle model

It shall be implemented in accordance with Attachment II of this Detailed-Rules.

7. After-Certification Supervision

Considering the category management of manufacturing enterprises and the actual conditions, selection of after-certification supervision mode are shown in table 2.

inspection result, and other related materials/information. If the evaluation is approved, the certificate can be kept and used continuously. If there is any unqualified item, the evaluation of after-certification supervision result is unqualified; CQC shall decide to suspend or withdraw the certificate accordingly and issue the decision.

8. Certificate

8.1 Maintenance of the certificate

The validity of the product certificate under coverage of the Implementation-Rules is 5 years. Within the period, maintenance of the validity of the certificate depends on the after-certification supervision of the certification body.

When the certificate is going to be expired and needs to be extended, the CLIENT shall submit the certification entrusting 90 days prior to the expiration. The certificate can be directly replaced with a new one provided the last after-certification supervision within the validity period of certificate is qualified.

8.2 Content of the Certificate

Certified products and the sales packages shall be labeled with the content that is contained in the certificate; it shall be consistent with the content in the certificate. Change of the certificate shall specify the changed edition number to clearly show the changing times of the products.

8.3 Change of the Certificate

8.3.1 Change Content

(1) Contents in the certificate are changed (such as name and address of the CLIENT, manufacturer or manufacturing enterprise, model and specification, certification standards, etc.);

(2) Technical changes of certified products (such as design, structure parameters, critical components / raw materials, etc.) which may affect the conformity with relevant standards;

(3) Change in production conformity control plan, production conditions, relocation etc. of the factory that may affect the production conformity;

(4) Change in other items as specified by CQC, such as it is changed to certificate of service-parts of discontinued vehicle model.

8.3.1 Implementation of Change

When above changes happen, CLIENT shall apply for change-entrusting to CQC according to the requirements of Article 5.1 of this Detailed-Rules; the change can be

implemented after approval of the certification body.

8.3.2 Evaluation and Approval of Change

CQC, based on the change contents, evaluates the provided documents to determine the approval of change. If sample test and / or factory inspection is necessary, CQC shall respectively develop sample test plan and production conformity factory on-site inspection plan. The change shall be approved only after the test and/or inspection is qualified.

Change shall be approved when conforming to the requirements. In case of certificate replacement, code number and approved effective date are not changed in principle, and approved date of change shall be noted. If new certificate is not necessary, issue the change confirmation sheet; note the change contents and approved date of change. For certificate change, it shall also note the edition number information of the change to clearly show change-times of the product.

8.3.3 Utilization of Factory Test Resources

For category A or B factories, if the manufacturing enterprises meet all requirements of certification standards, *Implementation Rules for China Compulsory Certification - Utilization requirements of Manufacturing Enterprise Test Resources and other Certification Result*, and the conditions required by Article 0.3 of this Detailed-Rules; and agree to use the factory test resources to implement on-site test (or witness test), when change application needs sample test, manufacturers or manufacturing enterprises may apply for on-site test. After CQC's approval, the designated laboratory may send qualified staffs to perform on-site test by utilizing the factory test resources. On-site test shall be made according to sampling test plan; designated laboratory shall issue test report when the test is qualified. If the manufacturer or manufacturing enterprise has utilized the factory resources for testing for at least 5 consecutive years, in principle, the samples shall be sent to designated laboratory for testing, so as to avoid systematic risks.

8.3.4 When certification standards are revised or edited or there is new explanation for articles of the standards, CQC shall determine certification standard changing period and certification implementation plan, and issue them to the society, in accordance with relevant requirements of Notice on Relevant Requirements of Revising the Standards for Compulsory Product Certification, the 4th notice of the CNCA in 2012, and the technical expert team resolution. CQC shall provide the CLIENT with accurate standard modification information in detail; the CLIENT shall complete the standard edition change within the specified period issued by CQC.

8.4 Cancellation, Suspension and Withdrawal of the Certificate

Cancellation, suspension and withdrawal of the certificate shall be implemented in accordance with "China Compulsory Certification management method" and "Compulsory product certificate cancellation, suspension and withdrawal implementation rules", as well as related regulations of CQC. CQC shall define the product category and scope that do

2. Control plan for critical components or raw materials

The factory, based on the manufacturing processes, shall control the critical components or raw materials that may affect the production conformity, at least including rigid parts (retractor, buckle, fittings etc.) and strap etc. When above parts are made by the factory, corresponding raw materials shall be controlled. Control plan shall at least include name, model/specification, supplier, purchasing inspection items and frequency of critical components or raw materials.

Production conformity control plan can make principle requirements to above mentioned critical components; detailed critical components or raw materials list shall be provided with product description of each unit.

Relevant documents or articles can be directly referenced into production conformity control plan, if the factory has already established independent quality control program, production guidance or control plan for production conformity test.

3. Control of compulsory product certificate and certification mark

Relevant documents or articles can be directly referenced into production conformity control plan, if the factory has already established independent quality control program, production guidance.

4. Control of certification change

Relevant documents or articles can be directly referenced into production conformity control plan, provided the factory has already established independent quality control program, production guidance.

5. Correction, prevention and recall measures upon production inconformity

Relevant documents or articles can be directly referenced into production conformity control plan, if the factory has already established independent quality control program, production guidance.

6. Upgrade of certification references and relevant laws and regulations

Relevant documents or articles can be directly referenced into production conformity control plan, if the factory has already established independent quality control program, production guidance.

7. Requirements of quality assurance capacity of the factory

If the factory and the certification product have not obtained the GB/T 9001 (ISO 9001) or GB/T 18035 (ISO/TS 16949) certificates that are issued by CNCA authorized certification body; or it has obtained that corresponding certificate, buy cannot meet all requirements in Appendix 1 of Attachment II of the Implementation Rules; then there must have

6. Evaluation and approval of certification result

Certificate shall be issued by certification-unit. Product name shall be appended with “service parts for XXX discontinued vehicle model” in the certificate.

7. Certificate and certification mark

Validity period of certificate for service parts of discontinued vehicle model is determined through discussion between certification body and CLIENT on the basis of risk evaluation. However, it must not be longer than 10 years.

Standard specification certification mark printed uniformly by the CNCA is allowed to use.

8. After-certification supervision

8.1 On the basis of manufacturing enterprise classification management and actual conditions, certification body shall establish particular test program according to different after-certification supervision modes of different factories. After-certification follow-up inspection and/or production on-site test, market sampling test and inspection can be carried out according to the standards when it was type approved.

8.2 After-certification follow-up inspection

If mass-produced products (not service parts for discontinued vehicle models) have been certified, then the follow-up inspection and/or production on-site sampling test and inspection can only be performed on mass-produced products; it is not required that the service parts for discontinued vehicle models must be in production.

If there is no mass-produced product (not service part for discontinued vehicle models) certified, then:

(1) For warehouse service parts for discontinued vehicle models, the enterprise shall provide proof of continuous conformity with standards of the service parts for discontinued vehicle models. If the certification body is not satisfied or doubts about the proof provided by the enterprise, then production on-site sampling test and inspection is required.

(2) For service parts for discontinued vehicle model with orders, there shall be production record in recent two years. The enterprise shall perform test of the service parts for discontinued vehicle model and keep the test record. Certification body can carry out site sampling test and inspection according to the risk conditions.

9. Change of certificate

In principle, certified service parts for discontinued vehicle model are not allowed to change in model, specification, design, structure parameter, and critical components / raw

material. However, it is allowed to change the critical components / raw material suppliers. If the above aspects have to be changed, the service parts shall be re-evaluated according to the requirements on change of mass-produced products. Other requirements for change can refer to 8.3 of this Detailed-Rules.

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