

TSG

**SPECIAL EQUIPMENT SAFETY TECHNICAL SPECIFICATION OF THE
PEOPLE'S REPUBLIC OF CHINA**

TSG D7002-2023

Pressure Piping Components - Type Test Regulation

压力管道元件型式试验规则

(English Translation)

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Table of Contents

Foreword	1
1 General provisions	4
2 Type test procedures and requirements	6
3 Supervision and administration	13
4 Supplementary provisions	15
Appendix A Type test product list of pressure piping component	
Appendix B Type test application form of pressure piping component	
Appendix C Type test items and their contents, methods and requirements of pressure	
Appendix D Type test items and their contents, methods, requirements for pressure	
Appendix E Type test items and their contents, methods, requirements of pressure	
Appendix F Type test items and their contents, methods and requirements of	
Appendix G Type test items and their contents, methods and requirements for pressure	
Appendix H Type test items and their contents, methods and requirements for	
Appendix J Type test items and their contents, methods and requirements for anti-	
Appendix K Type test items and their contents, methods and requirements for	
Appendix L Contact sheet for technical document review of pressure piping	
Appendix M Type test sampling sheet for special equipment	
Appendix N Type test report of special equipment	
Appendix P Type test certificate of special equipment (pressure piping	
Annex p Number description of type test certificate of special	

Foreword

In 2015, the Special Equipment Safety Supervision Bureau (hereinafter referred to as the Special Equipment Bureau) of the former General Administration of Quality Supervision, Inspection and Quarantine (hereinafter referred to as the former AQSIQ) issued a task letter, to revise the "Pressure piping components type test regulation" (TSG D7002-2006), which requires revision of the inapplicable provisions, based on the current "Pressure piping components type test regulation".

In May 2015, the Technical Regulations Department of China Special Equipment Testing Institute organized relevant experts to set up a drafting working group in Suzhou, formulated a drafting work plan for the revision of the "Regulations", determined the principles, key contents and main issues of the revision of the "Regulations", carried out a

specific division of labor on the revision and drafting work, formulated a revision and drafting work schedule.

In August 2019, after discussion and revision, a draft of the "Regulations" was formed. In October 2019, the State Administration for Market Regulation (hereinafter referred to as SAMR) issued an announcement, to solicit opinions from grassroots departments, relevant organizations, experts and citizens.

According to the relevant requirements of the administrative licensing reform, the product range of pressure piping components, that require type testing, has changed, so the drafting work group once again supplemented and modified the content of the "Regulations". In September 2021, the State Administration for Market Regulation issued an announcement, to solicit opinions once again publicly from the entire society. In January 2022, the drafting work group held a meeting to study and discuss the opinions solicited and form a draft for review.

In February 2022, the Special Equipment Bureau formulated and revised working procedures, in accordance with the safety technical specifications; submitted the draft for review to the Special Equipment Safety and Energy Saving Technical Committee of the State Administration for Market Regulation for review. The drafting work group held a working meeting in April 2022, to study and discuss the review opinions and made revisions. In July and August 2022, the Special Equipment Bureau solicited opinions from 20 manufacturers and 8 provincial market supervision departments, respectively. The drafting work group revised it again, to form a draft for approval. In November 2022, the draft of this "Regulation" was notified to the WTO/TBT by the State Administration for Market Regulation. In December 2022, the WTO/TBT notification ended. On July 7, 2023, the "Regulation" were approved and released by the State Administration for Market Regulation.

technological progress of China's pressure piping component manufacturing level in recent years, as well as the needs of special equipment safety supervision, it clarifies the type test product range of pressure piping components; specifies the type test procedures, supervision and administration requirements, the type test items, contents, methods of pressure piping component products.

1.1 Purposes

In order to standardize the type test of pressure piping components, this "Regulation" is formulated, in accordance with the "Special Equipment Safety Law of the People's Republic of China", "Special Equipment Safety Supervision Regulations", as well as other relevant laws and regulations.

1.2 Type test

Type test of pressure piping components (hereinafter referred to as type test) is carried out by an approved inspection agency, that is responsible for type test (hereinafter referred to as type testing agency), based on the quality inspection and test pass of the pressure piping component manufacturer (hereinafter referred to as the manufacturer), in accordance with the provisions of this "Regulation", to verify its safety and reliability, by checking whether the product complies with the safety technical specification, through technical data review, safety performance inspection and test.

1.3 Scope of application

This "Regulation" applies to pressure piping components within the scope of the "Special Equipment Catalog", which is used within the territory of the People's Republic of China. For specific products, see Appendix A of this "Regulation".

1.4.1 Type testing agency

engage in type testing within the approved scope; agency shall formulate a type test plan in a timely manner and notify the manufacturer to prepare for the type test; testing plan and the qualifications of the type testing personnel;

2.2 Application

When the manufacturer makes application to the type testing agency, it shall provide the following information:

- (1) "Application form for type test of pressure piping components" (see Appendix B);
- (2) Business license of the manufacturer;
- product standards of the product applied for type testing. When the manufacturer adopts corporate standards or international standards, it shall also provide a compliance statement, that meets the requirements of relevant safety technical specifications;
- (4) List of production equipment and testing equipment for the main processes;
- (5) A written statement that the same application has not been submitted to any other type testing agency;
- (6) Other information required for type testing.

2.3.1 Acceptance of application

After receiving the application materials, the type testing agency shall accept the application within 5 working days, if the information is complete and meets the requirements; notify the manufacturer in writing.

2.3.2 Correction

After receiving the application materials, if the application materials are incomplete or do not meet the requirements, the type testing agency shall inform the manufacturer of all the content that needs to be corrected at once, within 5 working days; issue a "Notice of supplementation and correction of application materials for type testing of pressure piping components".

2.5 Technical document review

Technical document review includes review of design documents and manufacturing process documents.

3.1 Certificate validity period

The type test certificate is valid for 4 years.

3.2.1 Certificate extension application

Six months before the expiration of the type test certificate (and no more than 12 months), the manufacturer can apply for certificate extension to the prototype type testing agency, by submitting a self-declaration letter of commitment and other materials. The extension is valid for 4 years. The manufacturer shall not apply for type test certificate extension twice in a row. The self-declaration commitment letter of the manufacturer shall at least include its commitment to comply with laws and regulations related to special equipment; a description of compliance of resource conditions, production performance (the production performance of each product during the certification period is no less than 5 batches), product safety performance status with relevant regulations;

3.2.3 Approval of renewal of certificate

If the on-site verification concludes that the certificate is in compliance, the certificate extension conclusion will be in compliance and a new type test certificate will be issued. The validity period will be calculated from the expiration date of the original certificate. If the on-site verification conclusion is noncompliance, the certificate extension conclusion is non-compliance; it shall report to the provincial and prefecture-level market regulatory authorities where the manufacturer is located in a timely manner.

4.1 Handling of relevant situations

the prototype test report and type test certificate; promptly report to the provincial and prefecturelevel market regulatory authorities where the manufacturer is located; publish relevant information on the special equipment information management system:

(1) Providing false information and samples;