



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 50252-2018

Replacing GB 50252-2010

**Unified standard for constructional quality acceptance of
industrial installation engineering**

工业安装工程施工质量验收统一标准

(English Translation)

Issued on: September 11, 2018

Implemented on: March 1, 2019

Issued by: Ministry of Housing and Urban-Rural Development

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Foreword

This standard was revised by China Petroleum and Chemical Engineering Survey and Design Association and China Chemical Engineering Fourth Construction Co., Ltd., together with the organizations concerned, on the basis of the Unified standard for constructional quality acceptance of industrial installation engineering GB 50252-2010 (hereinafter referred to as "the original standard"), in accordance with the requirements of the "Notice on Printing and Distributing the Plan for Formulating and Revising Engineering Construction Standards and Codes in 2016" (Jian Biao Han [2015] No. 274) issued by the

Ministry of Housing and Urban-Rural Development.

During the preparation of this standard, the drafting group carried out extensive investigation and research, conscientiously summarized practical experience, referred to relevant international standards and advanced foreign standards, and, on the basis of widely soliciting opinions, finalized the standard after review.

This standard consists of 6 chapters and 5 appendices. The main technical contents include: general provisions, terms, basic requirements, division of works for acceptance of construction quality, acceptance of construction quality, and procedure and organization for acceptance of construction quality.

The main technical contents revised in this standard are:

- (1) Inspection lots are explicitly set up in the quality acceptance of civil works, steel structures, anticorrosion, heat insulation and furnace masonry involved in industrial installation engineering.
- (2) According to the actual conditions of construction of industrial installation engineering, two sections, "Civil engineering" and "Steel structure engineering", are added to the division for acceptance of construction quality.
- (3) A general contractor acceptance column is added to the acceptance columns of Appendix A to Appendix E.
- (4) The division of piping sub-item projects has been modified: they are divided by piping medium, class and material.
- (5) In the division of piping installation works, it is added that when piping works have independent construction conditions or service function, they may constitute a unit (sub-unit) project.
- (6) The mandatory provisions of the original standard have been deleted, while the contents of those clauses are retained.

The Ministry of Housing and Urban-Rural Development is in charge of the administration of this standard, the Chemical Industry Branch of China Association for Engineering Construction Standardization is responsible for its routine management, and China Chemical Engineering Fourth Construction Co., Ltd. is responsible for the explanation of its specific technical contents. Any comments or suggestions arising during the implementation of this standard should be sent to China Chemical Engineering Fourth Construction Co., Ltd. (address: No. 279 Yueyang Avenue East, Economic Development Zone, Yueyang, Hunan Province; postcode: 414000).

Chief development organizations: China Petroleum and Chemical Engineering Survey and Design Association; China Chemical Engineering Fourth Construction Co., Ltd.

Participating development organizations: Sinopec Group Fifth Construction Company;

PetroChina Jilin Chemical Engineering and Construction Co., Ltd.; China Machinery Industry Construction Group Co., Ltd.; MCC Wuhan Research Institute of Metallurgical Construction Co., Ltd.; Jilin Design Institute of CNPC Northeast Refining and Chemical Engineering Co., Ltd.; Shanghai Fuchen Chemical Co., Ltd.; Shaanxi Chemical Construction Engineering Co., Ltd.; Chemical Industry Engineering Quality Supervision General Station; Hebei Chemical and Pharmaceutical Vocational Technology College; National Chemical Construction Standardization Management Center Station.

1 General provisions

1.0.1

This standard is formulated with a view to unifying the acceptance of construction quality of industrial installation engineering, strengthening the management of construction quality of works and ensuring the quality of works.

1.0.2

This standard is applicable to the acceptance of construction quality of industrial installation engineering in new construction, reconstruction and extension projects.

1.0.3

This standard shall be used in conjunction with the current relevant national standards for acceptance of construction quality of the specialities concerned.

1.0.4

In addition to complying with this standard, the acceptance of construction quality of industrial installation engineering shall also comply with the current relevant standards of the nation.

2.0.1 industrial installation engineering

The construction technical work carried out on facilities such as civil works, steel structures, equipment, piping, electrical systems, automation instrumentation, anticorrosion, heat insulation and furnace masonry involved in new construction, reconstruction and extension of industrial construction projects, and the physical works thus formed.

2.0.2 quality of industrial installation engineering

The degree to which the inherent characteristics, safety and service functions of industrial installation engineering satisfy the provisions of relevant standards, the contractual agreements and implied requirements.

2.0.3 dominant item

Inspection item that plays a decisive role in safety, health, environmental protection and public interest, as well as in the quality of works.

2.0.4 general item

Inspection item other than the dominant items.

2.0.5 acceptance

On the basis of the construction organization's self-inspection being qualified, the parties involved in the construction of the project jointly carry out sampling re-inspection of the construction quality of the works, review the technical documents, and confirm in writing, according to the design documents and relevant standards, whether the quality of the works has reached the qualified level.

3 Basic requirements

3.0.1

The parties concerned with the project shall have a sound quality management system.

3.0.2

The construction quality of the works shall meet the requirements of the design documents.

3.0.3

The parties concerned with construction shall have the corresponding construction technical standards on site.

3.0.4

Construction projects of industrial installation engineering shall have a construction organization design and construction technical schemes, which shall be reviewed and approved.

3.0.5

The inspection of construction site quality management may be carried out in accordance with Appendix A "Inspection record for quality control of construction site" of this standard.

3.0.6

The inspection of construction quality of industrial installation engineering shall comply with the following requirements:

1 Equipment, materials and semi-finished products used in the works shall be inspected in accordance with the design requirements of each speciality and the standards for