



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

GB 50300-2013

**Unified standard for constructional quality acceptance of
building engineering
(English Translation)**

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Explanation of Wording in This Standard

1 General Provisions

1.0.1 This Standard is prepared to strengthen the construction quality management, unify

1.0.1 This Standard is prepared to strengthen the construction quality management, unify

the construction quality acceptance of building work and guarantee the work quality.

1.0.2 This standard is applicable to the acceptance of building construction quality and serves as unified criteria for laying down the acceptance specifications of various construction disciplines.

1.0.3 The acceptance of building construction quality shall not only comply with this Standard but the current relevant standards of the nation.

2.0.1 Building work

It refers to the work entity formed through construction of various buildings and their auxiliary facilities, and installation of their supporting systems like cabling, piping and M&E equipment.

2.0.2 Testing

It refers to the activity in which the features and performances of the inspected item are measured, inspected and tested, and the results are compared with the requirements specified in standards so as to verify the acceptance of each performance.

2.0.3 Site testing

It refers to the activity to test the building materials, members and accessories, equipment and tools on construction site according to the requirements of relevant standards and to verify the compliance of their quality, specifications and models.

2.0.6 Inspection lot

It refers to the testing body which consists of a quantity of the samples collected for testing by the same production conditions or required method.

2.0.12 Inspection by variables

It refers to the inspection method in which the overall mean, characteristic or estimated value is calculated from the testing data of samples and the overall quality is then judged or assessed.

2.0.13 Probability of misjudgement

It refers to the probability, expressed by alpha, which the acceptable lot is judged as rejectable lot, i.e. the probability of rejecting acceptable lot.

2.0.14 Probability of omission

It refers to the probability, expressed by beta, which the rejectable lot is judged as acceptable lot, i.e. the probability of accepting rejectable lot.

3 Basic Requirements

3.0.1

The construction site shall be provided with sound quality management system, appropriate specification for construction, quality inspection system, and evaluation & rating system of comprehensive construction quality. The quality management on construction site may be

inspected and recorded according to the requirements of Appendix A.

3.0.2

As for the building works have not undergone supervision, relevant personnel from the construction organization shall perform the supervisory responsibilities involved in this standard.

3.0.3

The construction quality control for building work shall meet the following requirements.

3.0.4

Under one of the following conditions, the quantity for sampling re-inspection and testing may be properly adjusted according to the acceptance specification of related disciplines and the scheme of the adjusted sampling re-inspection and testing shall be prepared by the construction unit and submitted to the supervision unit for review and validation.

3.0.7

The qualification of building construction quality acceptance shall meet the following requirements.

3.0.9

The samples of inspection lot shall be randomly taken so as to meet the requirements of uniform distribution and representativeness, and the sampling quantity shall meet the requirements of the acceptance specification of related discipline. In case of sampling by attributes, the minimum sampling quantity shall be in accordance with those specified in Table 3.0.9.

3.0.10

In case of inspection by variables, the probability of misjudgement α and probability of omission β may be taken according to the following requirements.

4 Division of Acceptance of Building Construction Quality

4.0.1

The acceptance of building construction quality shall be divided into unit project, part project, sub-item project and inspection lot.

4.0.2

Unit project shall be divided in accordance with the following principles.

4.0.3

Part project shall be divided in accordance with the following principles.

4.0.4 Sub-item project may be divided by main work type, material, construction process

and equipment type.

4.0.5 Inspection lot may be divided by the work quantity, story, construction section and deformation joint as required by the construction, quality control and discipline acceptance.

4.0.8 For outdoor works, the division of subunit project, part project and sub-item project may be performed on the basis of the discipline and work scale and in accordance with Appendix C of this Standard.

5 Acceptance of Building Construction Quality

5.0.1

The qualified requirements for quality acceptance of inspection lot are as follows.

5.0.2

The qualified requirements for sub-item project quality acceptance are as follows.

5.0.4

The qualified requirements for unit project quality acceptance are as follows.

5.0.5

The records of construction quality acceptance of building work may be filled in according to the following requirements.

5.0.6

The construction quality of building work, if failing to meet the requirements, shall be treated according to the following requirements.

6.0.1 Acceptance of inspection lot shall be carried out by professional project quality

inspector and professional foreman, etc. from construction unit and organized by professional supervision engineer.

6.0.2 Acceptance of sub-item project shall be carried out by professional technical director

from construction unit and organized by the professional supervision engineer.