



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

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**Standard for design of observation and monitor system on
forest fire**

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1 General

1.0.1 This standard is formulated in order to unify the acceptance criteria of agricultural construction projects, improve the management level of agricultural construction projects, and ensure the quality of project construction and investment benefits.

1.0.2 This standard applies to the acceptance of agricultural construction projects, not to the acceptance of farmland construction projects.

1.0.3 The inspection and acceptance of agricultural construction projects shall not only comply with this standard, but also comply with the relevant current national standards.

2.0.1 agricultural construction project

In the fields of agriculture and rural economy, projects to build new production or service capabilities and improve agricultural infrastructure.

2.0.2 agricultural construction engineering

Buildings used for agricultural production and services, including management rooms, scientific research and experiment rooms, germplasm banks, cold storage and other storage rooms, workshops, greenhouses, net rooms, dry sheds, livestock and poultry pens and epidemic prevention rooms, biogas Engineering, harbor basin, channel, revetment, wharf, breakwater and other projects, as well as supporting facilities.

2.0.3 Agricultural field engineering agricultural field engineering

Facilities and structures used for agricultural production and services, including field

improvement, improvement of farmland soil fertility, irrigation and drainage, field roads, farmland protection and ecological environment protection projects, farmland power transmission and distribution, field monitoring, gardens, test pools, Fencing and other works.

2.0.4 agricultural installation engineering agricultural installation engineering

Complete sets of equipment, pipelines, devices and other projects for production and service that are installed by professional installation units and matched with agricultural construction projects and agricultural field projects.

2.0.5 quality of engineering

It reflects that the project meets the requirements of relevant standards, design or contract, including the sum of all obvious and implicit capabilities and characteristics in terms of safety, use function, durability, environmental protection, energy saving, etc.

2.0.6 Agricultural construction project acceptance

The general term for the acceptance work of each link, stage, and category of an agricultural construction project, including intermediate acceptance, individual project acceptance, project preliminary acceptance, and project completion acceptance.

2.0.7 Intermediate acceptance

In order to achieve the overall goal of the construction project and ensure the quality of the project, during the construction process of the project, the acceptance of unit projects, sub-projects, sub-projects, inspection batches, professional projects, concealed projects, and special process requirements is carried out.

2 The personnel who participate in the acceptance of branch projects and unit projects should have work experience in similar projects, and the participants of design and supervision units should also have relevant professional qualifications.

4.2.3 The quality acceptance of the project should be carried out on the basis of the construction unit's own inspection and evaluation. Concealed projects should be notified by the construction unit to the relevant units for acceptance before concealment, and an acceptance document should be formed.

4.2.4 For test blocks, test pieces and related materials that involve structural safety, witness sampling testing should be used; for important sub-projects that involve structural safety and use functions, sampling testing should be used. The inspection data should be complete, and the inspection results should comply with the corresponding regulations.

5 Intermediate acceptance of agricultural field projects

5.1 General provisions 5.1.1 The construction site of agricultural field engineering should have a sound quality management system, corresponding construction technical standards, construction quality inspection system and comprehensive construction quality level assessment and assessment system.

5.1.2 The construction quality management inspection records of agricultural field projects shall be filled in by the construction unit, inspected by the chief supervisory engineer, and make inspection conclusions.

5.1.3 For agricultural field projects that have not been supervised, the relevant personnel of the construction unit shall perform the supervision duties involved in this standard.

5.1.4 The division of quality control items in the intermediate acceptance of agricultural field projects shall comply with the provisions of Appendix B of this standard.

5.2 Quality Control

5.2.1 The construction quality control of agricultural field engineering shall meet the following requirements.

1 The main materials, semi-finished products, finished products, components, appliances and equipment shall be inspected on site 2 All materials and products related to safety, energy saving, environmental protection and functions shall be re-inspected in accordance with the construction specifications, acceptance specifications and design documents of each professional project, and shall be inspected and approved by the supervision engineer;

3 The construction procedures should be divided reasonably, and the quality control of each construction procedure should be carried out according to the construction technical standards. After each construction procedure is completed, the construction of the next procedure can only be carried out after the construction unit self-inspects and meets the regulations; the related procedures between various professional types should be Carry out handover inspection and record 4.The important procedures that require inspection by the supervisory unit shall be inspected and approved by the supervisory engineer before the construction of the next procedure can be carried out.

5.2.2 The construction quality of agricultural field projects shall be checked and accepted according to the following requirements.

1 Construction quality acceptance should be carried out on the basis of the construction unit's own inspection and evaluation 2 The construction quality acceptance personnel shall be relevant professional engineering and technical personnel; the personnel participating in the branch project and unit project acceptance shall have work experience in similar projects, and the participating personnel of the design and supervision units shall also have professional technical titles or relevant professional (job) professions qualifications;

3 The quality of inspection batches should be checked and accepted according to the main control items and general control items;

4 Test blocks, test pieces and related materials that involve structural safety shall witness sampling inspection; sub-projects that involve structural safety and use functions shall be sampled and inspected;

5. Before the hidden project is concealed, the construction unit shall notify the relevant unit to check and accept, and an acceptance document shall be formed;

6. The visual quality should be inspected by the acceptance personnel on site, and should be confirmed jointly.

5.3 Division of acceptance 5.3.1 Intermediate acceptance of agricultural inter-state projects should be carried out according to inspection lot, sub-project, sub-project and unit project.

5.3.2 The division of agricultural field engineering inspection lots shall meet the following requirements.

1 The number of inspection batches shall be determined according to the characteristics of the inspection items;

2 The inspection batch can be divided according to the construction flow section, deformation joint, etc. according to the needs of construction and quality control and professional acceptance;

3 Materials and equipment should have inspection certificates, and should be selected for inspection at a rate of not less than 5% of each batch;

4 If measured by volume, no more than 300m³ shall be an inspection lot; if measured by area, no more than 500m² shall be regarded as an inspection lot; For equipment, no more than 10 pieces are considered as an inspection batch; if the above-mentioned measurement units are used for mixed measurement, the inspection batch shall be determined based on the smallest quantity among them; Determine the inspection lot.

5.3.3 Division of sub-projects shall meet the following requirements.

1 Sub-item projects should be divided according to main types of work, materials, construction techniques, equipment categories, etc.

2 Sub-projects may consist of one or several inspection lots.

5.3.4 Division of engineering divisions shall meet the following requirements.

1 The division of engineering divisions should be determined according to the nature of the specialty and engineering location;

2 The engineering components shall be capable of independent construction and acceptance;