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

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**Maintenance supervision specification for unit of thermal power
plant**

火力发电厂机组检修监理规范
(English Translation)

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Foreword

This specification was drafted in accordance with the rules given in GB/T 1.1-2009.

This specification was proposed and managed by the China Electricity Council.

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1 Scope

This standard specifies the basic requirements for the overhaul and supervision of units in thermal power plants.

This standard is applicable to the supervision activities for the overhaul of coal-fired units in thermal power plants, the overhaul of gas turbines, biomass and other generating units and the Technical transformation projects can be implemented by reference.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version Applies to this document. For undated references, the latest version (including all amendments) applies to this document.

GB/T 19000 Quality Management System Foundation and Terminology

3 Terms and definitions

The following terms and definitions defined in GB/T 19000 apply to this document.

Client

Organizations that entrust supervision services generally refer to owners or operating units of thermal power plants.

Maintenance organization Organizations that undertake the task of overhauling equipment in thermal power plants. Including the maintenance contractor who signed the contract with the client or the client's self the department responsible for overhaul tasks.

Supervision units

Qualified as a corporate legal person, obtained a power engineering supervision enterprise qualification certificate, and engaged in overhaul and supervision of thermal power plant units Active organization.

Project supervision organization the organization appointed by the supervision unit to perform the supervision contract.

Witness

Professional supervision engineers observe, review, record and confirm activities such as documents, records, entities and processes for.

Control point

During the overhaul process, the professional supervision engineer verifies the control points for the quality of overhaul work, which are divided into side stations (S) and stop work.

Inspection point (H), site witness point (W), document witness point (R).

Key works supervising point the project supervision agency pre-sets the supervision and control of the key parts of the project or the maintenance supervision and inspection activities of the key process System point.

Hold point

After being witnessed and signed by a professional supervision engineer, it can be transferred to the next process, procedure or node and pre-set supervision control System point.

Witness point

Pre-set supervision by professional supervision engineers to witness the process, procedures, nodes or results of unit maintenance Management control points.

3.10

Document witness point record point the supervision control point set in advance by the professional supervision engineer to witness the related documents, records or reports of the maintenance.

3.11

Parallel testing

On the basis of the self-inspection of the maintenance unit, the project supervision agency shall conduct independent inspections on the same inspection project in accordance with relevant regulations and the agreement in the supervision contract.

Testing activities carried out immediately.

3.12

Daily report of supervision on-site maintenance report submitted by the supervision agency to the client daily.

3.13

Weekly report of supervision on-site situation analysis report submitted by the supervision agency to the client every week.

3.14

Non conformance item Defects in performance, documentation, or procedures that make the quality of an item unacceptable or uncertain.

3.15

Quality requalification in order to verify that the equipment meets the conditions of re-service testing.

4.1 Basic requirements

4.1.1

The supervision unit shall send a project supervision agency to the maintenance site. The organizational form and scale of the project supervision agency should be based on it is determined according to the content, time limit, project characteristics, and technical requirements agreed in the supervision contract. Professional supervision engineer of project supervision agency See Appendix D for the recommended configuration table.

4.1.2

The project supervision agency implements the chief supervision engineer responsibility system.

4.2.1 Chief Supervisory Engineer

4.2.1.1

The chief supervision engineer shall have the qualification of a registered equipment supervision engineer or a registered supervision engineer, and shall be engaged in at least 5 years and above in production management related to power engineering and maintenance.

4.2.1.2

The chief supervisory engineer shall perform the following duties.

- a) According to the contract and the progress of the project, assign professional supervisors, determine the job division of professional supervisors, and coordinate the overall inspection Repair supervision activities;