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# TSG

TECHNICAL SPECIFICATION FOR  
SPECIAL EQUIPMENT SAFETY

## TSG Z6001-2019

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### **Examination rules for special equipment operators**

特种设备作业人员考核规则

**Issued by State Administration for Market Regulation**  
**May 27, 2019**

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# Examination rules for special equipment operators

## Chapter 1 General

**Article 1** In order to regulate the examination of special equipment operators, these rules are formulated, in accordance with the "Special Equipment Safety Law of the People's Republic of China", "Provisions on the Supervision of Special Equipment Safety", "Methods for Supervision and Management of Special Equipment Operators".

**Article 2** These rules are applicable to the qualification examination of special equipment operators (including safety management personnel), within the scope of the "Classification and Projects for Qualification Recognition of Special Equipment Operators", which was formulated AND issued by the State Administration for Market Regulation.

For the welding operators of special equipment, the qualification examination shall also meet the requirements of relevant safety technical specifications.

**Article 3** Special equipment operators shall, in accordance with the requirements of these rules, obtain the "Special Equipment Safety Management and Operator Certificate" (see Appendix A for the format), before engaging in corresponding operations.

**Article 4** For the examination and license issuance of special equipment operators, they shall be handled, in levels, by the local market supervision-management department at or above the county level. For the specific license-issuing authority and license-issuing items, they shall be determined and announced by the provincial market supervision-management department.

**Article 5** The license-issuing authority entrusts the examination agency to organize the examination; OR organizes the examination on its own.

**Article 6** The provincial market supervision-management department is responsible for formulating the specific conditions and entrustment requirements of examination agency.

The market supervision-management departments at city level, with districts, OR the license-issuing agencies select and recommend examination agency across the country, in accordance with the specific conditions of the examination agency. Provincial market supervision-management departments coordinate the formation of a examinee library, for examination agency of the province; AND publish them. Examination agency's examinee library shall

cover all the license-issuing projects in the province.

The license-issuing authority selects the examination agency from the examinee library of examination agency AND entrusts the examination, through purchasing services or other methods; announces the name, address, contact information and examination items of the examination agency entrusted by it, to the public.

**Article 7** For the projects, where there are less operators, such as hyperbaric chamber, large-scale recreation facility, passenger ropeways, safety valves, the license shall be issued by the provincial market supervision-management department. When the provincial market supervision-management department determines that, the market supervision-management department of city-level, with districts, OR the county-level market supervision-management department issue the license, the provincial market supervision-management department shall uniformly determine the examination agency.

**Article 8** The State Administration of Market Supervision is responsible for the supervision and management of the examination of special equipment operators nationwide. The local market supervision-management department, at or above the county level, is responsible for the supervision and management of the examination of special equipment operators, within its administrative area, AND the supervision and inspection of examination agency.

## Chapter 2 Examination agency

**Article 9** Examination agency shall meet the following basic conditions:

- (1) Have the qualifications of a legal person;
- (2) Have a permanent organization and management department AND a fixed office, with no less than 3 full-time personnel
- (3) Establish an examination management system, including confidentiality, question assignment, examination paper transportation, on-site examination, scoring, result reporting, archives, emergency plan, question bank management and other systems, which can be effectively implemented;
- (4) According to the corresponding examination outline, clarify the examination scope, examination methods, qualification indicators;
- (5) Establish on-site test bases and test centers; have places, equipment, facilities and capabilities, that meet the requirements of the corresponding examination outline;

- (6) Have test management and examination personnel, who can meet the needs of the test. Appraisers shall have a college degree or above AND more than 5 years of work experience in this major; have rich practical experience; be familiar with examination procedures, examination management, examination content, scoring requirements; have corresponding operating personnel qualifications;
- (7) The examination site shall be equipped with an informatized person-to-ID comparison system; retain the examination image data. If necessary, it shall set up an automatic video capture system on the examination machine.

**Article 10** The main responsibilities of examination agency:

- (1) Announce the registration method and test location, test plan, test types, operation items, registration requirements, test procedures, etc. of the examination agency;
- (2) Announce the scope and items of the theoretical knowledge test and practical skill test;
- (3) Conduct theoretical knowledge examinations and practical skills examinations, in accordance with the requirements of the examination outline;
- (4) Announce and report the test results;
- (5) Establish examination files for special equipment operators;
- (6) Submit annual work summary, etc. to the license-issuing authority.

**Article 11** Examination agency shall conduct theoretical knowledge examinations and practical skills examinations, for qualified applicants, at their examination centers and examination bases. For special reasons, if it is necessary to use an examination base, other than the institution, to conduct the examination, it shall report to the license-issuing authority, for written consent, in advance.

Examination agency shall not engage in the training work of entrusted examination items.

**Article 12** For the examination outline for various types of special equipment operators, it can be found in the Appendix of this Rule.

## Chapter 3 Examination and license issuance

**Article 13** The examination procedures for special equipment operators include application, acceptance, examination, license issuance.

**Article 14** Applicants shall meet the following conditions:

- (1) The age is over 18 but not more than 60 years old; has full capacity for civil conduct;
- (2) It has no diseases and physical defects that hinder the job; meanwhile meets the physical requirements of the job application for which it is applied;
- (3) Have a junior high school degree or above; have an education level that meets the requirements of the corresponding application work items;
- (4) Meet the specific requirements of the corresponding examination outline.

**Article 15** Applicants shall submit the following application materials to the license-issuing authority of the place of work or residence (household or residence permit):

- (1) "Application Form for the Qualification of Special Equipment Operator" (see Appendix B, 1 copy);
- (2) Recent 2-inch frontal bareheaded color photos (2 photos), in white background;
- (3) Identity certificate (1 copy);
- (4) Certificate of academic qualifications (1 copy);
- (5) Physical examination report (1 copy, as required by the corresponding examination outline).

Applicants may also fill in the application, through the online registration system, which is designated by the license-issuing authority; attach the scanned documents (PDF or JPG format) of the materials required to be submitted in the preceding paragraph.

**Article 16** The license-issuing authority shall decide whether to accept the application, within 5 working days, after receiving the application. Where supplementary materials are required from the applicant, the applicant shall be notified, at one time, of the content to be supplemented and corrected.

If the application is accepted, the license-issuing authority shall inform the

applicant of the acceptance result. The applicant shall register with the examination agency, which is entrusted by the license-issuing authority, with the acceptance result; take the examination on time.

If the application is not accepted, the license-issuing authority shall inform the applicant of the result of the rejection AND explain the reasons.

**Article 17** The examination agency shall announce the examination time, location, operation item, and other matters, 2 months before the examination. If it is necessary to change the examination time, place, operation items, it shall promptly notify the applicants who have registered.

**Article 18** The provincial market supervision-management department is responsible for establishing an examination question bank; OR adopting a unified national examination question bank. The test questions in the question bank shall cover all the knowledge points of the examination outline. The number of test questions in each test paper shall not exceed 5% of the total number of test questions in the question bank.

**Article 19** Examination agency shall organize examinations, in accordance with the requirements of the corresponding examination outline; follow the principles of openness, fairness and impartiality; strictly implement the examination management system; ensure the quality of examination work.

**Article 20** The examinations for special equipment operators include theoretical knowledge examinations and practical operation skills examinations. Special equipment safety management personnel is only subject to theoretical knowledge examinations.

The examination is implemented in a hundred-point system. If a single subject scores 70 points, it is qualified; if each subject is qualified, the examination is judged as qualified.

**Article 21** The test results are valid for one year. Those who fail a single test subject can apply for a make-up test, from the original test agency, within one year. Those who fail in both subjects OR fail the make-up test, shall submit a new application for the examination to the license-issuing authority.

**Article 22** The examination agency shall announce the list of qualified persons, within 20 working days after the examination; submit the examination results to the license-issuing authority. If the applicant inquires about the results from the examination agency, the examination agency shall inform the result to the applicant.

**Article 23** If the license-issuing authority organizes the examination on its own, it shall meet the above requirements.

**Article 24** The license-issuing authority shall complete the examination, approval, license issuance, within 20 working days after receiving the examination results.

## Chapter 4 Review

**Article 25** A license holder shall, one month before the expiration of the validity period of the certificated item, submit an application for re-examination to the license-issuing authority, at the place of work or residence (household or residence permit); submit the following materials:

- (1) "Application Form for Qualification Review of Special Equipment Operators" (see Appendix C, 1 copy)
- (2) "Special Equipment Safety Management and Operator License" (original).

**Article 26** If the following requirements are met, the re-examination is qualified:

- (1) The age is not more than 65 years old;
- (2) During the period of holding the license, there are no illegal operations and no liability accidents;
- (3) During the period of holding the license, the operation time of the certificated item, in the employment record of the "Special Equipment Safety Management and Operator License", has not been continuously interrupted for more than 1 year.

**Article 27** When the license-issuing authority handles the review, it shall log in to the "National Special Equipment Public Information Query Platform", to verify the authenticity and validity of the "Special Equipment Safety Management and Operator License". If it cannot be verified, the applicant shall apply for license again OR return to the original license-issuing authority to submit an application for review.

**Article 28** When the license-issuing authority handles the review, if it is able to do it on the spot, it shall complete it on the spot; if the application materials need to be supplemented and corrected, it shall be notified all at once. If the review is unqualified, the reasons shall be explained. The license-issuing authority shall complete the review, within 10 working days.

**Article 29** If the holder of the license who fails to pass the review OR who has not applied for the review after the expiry of the certificate expires, BUT needs to continue to engage in the activities of the item, he shall apply for license again.

**Article 30** Special equipment welding operators shall review, in accordance with the provisions of the corresponding safety technical specifications.

## Chapter 5 Supplementary provisions

**Article 31** Examination agencies shall establish examination files for applicants, including the list of examiners and their scores, examination papers, practical skills examination records, examination site records (including examination site images), etc. The retention period of the examination site image data shall be no less than 3 years. The retention period of other files shall be no less than 10 years.

**Article 32** The license-issuing authority shall establish a special equipment operator's license issuance file, including the "Application Form for Qualification of Special Equipment Operator", "Application Form for Qualification Review of Special Equipment Operator", acceptance results, examination results reported by the examination agency, approval records, result release documents, release records, etc. The archives shall be kept for at least 10 years.

For those who provide false materials and promises, cheat on exams, cause accidents in violation of operating rules and relevant safety rules and regulations, the license-issuing authority shall record them in the license issuance files of special equipment operators.

**Article 33** The license-issuing authority shall upload the information of the applicant (review) personnel to the "National Special Equipment Public Information Query Platform", within 20 working days after the license issuance (review).

**Article 34** If the "Special Equipment Safety Management and Operator License" is lost or damaged, the holder of the license shall apply to the original license-issuing authority for reissuance; submit the identity certificate, a written statement of the loss or damage, a recent 2-inch frontal color bareheaded photo, in white background. The validity period of the original certificated items remains unchanged.

**Article 35** Applicants, who have objections to the examination results, may submit a request for review to the examination agency, within 1 month after the examination results are released. The examination agency shall reply, within 20 working days of receiving the application for review. If it has objections on the reply results from the examination agency, it may file a complaint with the issuing agency, in writing.

If the license-issuing authority organizes the examination on its own, the applicant shall submit a request for review to the license-issuing authority.

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