CIVIL AERONAUTICS BOARD
WASHINGTON, D. C.

Civil Air Regulations

PART 25—PARACHUTE TECHNICIAN CERTIFICATES

Effective: Jan. 21, 1943

UNITED STATES OF AMERICA
CIVIL AERONAUTICS BOARD
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"PART 25—PARACHUTE TECHNICIAN CERTIFICATES

Certificates and Ratings:

25.0 Certification of parachute technicians.
25.00 Classification of parachute technicians.

Qualifications for Parachute Technician Certificates:

25.1 Parachute rigger grade.
25.10 Citizenship.
25.11 Age.
25.12 Moral character.
25.13 Education.
25.14 Knowledge.
25.15 Experience.
25.16 Military competence.
25.2 Senior parachute rigger grade.
25.3 Master of parachute maintenance grade.

Qualifications for Ratings:

25.5 Special ratings.
25.50 Parachute jumper rating.
25.51 Parachute instructor rating.

Examinations and Tests:

25.6 General.
25.60 Standard of performance.
25.61 Physical examinations.
25.62 Reexaminations.

Issuance and Duration of Certificates:

25.7 General.
25.70 Duration.
25.71 Revocation.

Regulations and Limitations:

25.8 General.
25.80 Service limitations.
25.81 Log-book.
25.82 Display of certificate.
25.83 Inspection.
25.84 Surrender of certificate.
25.85 Notice of defects.
25.86 Seal.
25.87 Parachute record.
25.88 Reports.
25.89 Transfer.
25.9 Minimum facilities.

CERTIFICATES AND RATINGS

25.0 Certification of parachute technicians. An airman certificate may be issued by the Administrator to a person qualified in accordance with the provisions hereinafter prescribed to perform the duties of parachute technician.

25.00 Classification of parachute technicians. Parachute technicians shall be classified in the following ascending grades:

(a) Parachute rigger;
(b) Senior parachute rigger;
(c) Master of parachute maintenance.

QUALIFICATIONS FOR PARACHUTE TECHNICIAN CERTIFICATES

25.1 Parachute rigger grade.

25.10 Citizenship. Applicant shall be:

(a) A citizen of and of unquestionable loyalty to the United States, or

(b) A person who is in sympathy with the objectives of the United States, and who is a trustworthy citizen of a friendly foreign government not under the domination of or associated with any government with which the United States is at war.

25.11 Age. Applicant shall be not less than 18 years of age.

25.12 Moral character. Applicant shall be of good moral character.

25.13 Education. Applicant shall be able to read, write, and understand the English language: *Provided*, That a citizen of Puerto Rico, or an applicant who is employed by an air carrier outside the United States, need not be able to read, write, speak, or understand the English language except that a certificate issued to such an applicant shall be valid only in Puerto Rico, or only while employed by an air carrier outside of the United States, as the case may be.

25.14 Knowledge. Applicant shall pass a written, oral, and practical examination on (a) the construction, inspection, packing, maintenance, use of, and the manufacturer's instructions with respect to at least one make and type of parachute in common commercial use, and (b) the pertinent provisions of the Civil Air Regulations and related manuals.

25.15 Experience. Applicant shall have performed satisfactory service in the packing of at least 20 parachutes of each type for which he seeks a rating under the supervision of a properly qualified and certificated parachute technician.

25.16 Military competence. An applicant who is or was within the 60 days preceding application a regular or reserve member of the Army, Navy, Marine Corps, or Coast Guard on active duty as a parachute technician for a period of not less than one year, upon passing the prescribed written examination on the pertinent Civil Air Regulations and presentation of a statement from the appropriate military authorities attesting to such experience, will be deemed to have met the requirements of §§ 25.14 and 25.15.

25.2 Senior parachute rigger grade. Applicant shall comply with the provisions of §§ 25.10 through 25.16 and in addition thereto he shall:

(a) Demonstrate to the satisfaction of the Administrator that he has a thorough practical and theoretical knowledge of the construction, inspection, packing, maintenance, use of, and repairs to at least 3 types of parachutes in common commercial use including the manufacturer's instructions with respect to such subjects;

(b) Present proof satisfactory to the Administrator that he has served as a properly qualified and certificated parachute technician or as a mechanic with a rating as a parachute rigger for a period of at least 2 years; and

(c) Present proof satisfactory to the Administrator that he has satisfactorily serviced and packed at least 25 parachutes of each make and type for which he seeks to be rated.

25.3 Master of parachute maintenance grade. Applicant shall comply with the provisions of §§ 25.10 through 25.15 and in addition thereto he shall:

(a) Demonstrate to the satisfaction of the Administrator that he has a thorough practical and theoretical knowledge of the construction, inspection, packing, maintenance, use of, and repairs to the products of not less than 3 different manufacturers including at least 4 types of parachutes and 3 types of canopies, and the ability to properly supervise all operations in connection therewith.

(b) Present proof satisfactory to the Administrator that he has served as a certificated parachute technician for a period of at least 5 years, and that he has satisfactorily serviced and packed not less than 200 parachutes of various makes and types and not less than 25 of each type and make of parachute for which he is rated; and

(c) Present written statements satisfactory to the Administrator attesting to his character, responsibility, skill, ability, and length of service, and recommending him for a "Master of Parachute Maintenance" grade.

QUALIFICATIONS FOR RATINGS

25.5 Special ratings. Special parachute ratings are as follows:

(a) Parachute jumper;
(b) Parachute instructor.

25.50 Parachute jumper rating. A special rating of parachute jumper will be entered on the Airman Rating Record of a certificated parachute technician who, after inspection and examination, is found by the Administrator to meet the requirements therefor and, if less than 21 years of age, to have obtained the written consent of either parent, or legal or natural guardian.

25.500 Knowledge. Applicant must pass a written, oral, and practical examination demonstrating a practical and theoretical knowledge of the proper methods and procedures for making test and exhibition jumps, which shall include methods of leaving and clearing aircraft with relation to the speed and attitude thereof, emergency measures to be taken in the event of malfunction of the parachute during the opening and subsequent operation thereof, and the proper method of manipulation and control of the parachute during descent and landing.

25.501 Experience. Applicant shall present proof satisfactory to the Administrator that he has satisfactorily accomplished at least 10 jumps without injury to himself or damage to his equipment.

25.502 Physical condition. Applicant shall meet the physical standards of the third class prescribed in Part 29.

25.51 Parachute instructor rating. A special rating of parachute instructor will be entered on the Airman Rating Record of a certificated parachute technician who satisfactorily passes a written, oral, and practical examination demonstrating his ability to teach the processes and procedures which, in the opinion of the Administrator, are deemed necessary and appropriate for the construction, inspection, packing, maintenance, repair, and use of parachutes.

EXAMINATIONS AND TESTS

25.6 General. All examinations and tests prescribed herein shall be conducted at a time and place designated by the Administrator.

25.60 Standard of performance. The passing grade of any theoretical examination shall be 70 percent. The prescribed practical examinations must be accomplished to the satisfaction of the Administrator.

25.61 Physical examinations. The appropriate physical examination prescribed for a parachute jumper rating shall be accomplished before any practical or theoretical test or examination will be given, and shall be completed within the 12 calendar months preceding such test.

25.62 Reexaminations. An applicant who has failed to:

(a) Accomplish successfully any prescribed theoretical examination may apply for reexamination at any time after the expiration of 30 days from the date of such failure; or

(b) Accomplish successfully any prescribed practical examination or test may apply for reexamination (1) after expiration of 30 days from the date of such failure, and (2) after he submits proof satisfactory to the Administrator that he has received adequate instruction by a certificated parachute technician holding a rating for the make and type of parachute on which he failed to demonstrate his ability.

ISSUANCE AND DURATION OF CERTIFICATES

25.7 General. Application for a parachute technician certificate and rating shall be made upon the applicable form prescribed and furnished by the Administrator.

25.70 Duration. A parachute technician certificate issued hereunder shall be of 60 days' duration and unless the holder thereof is otherwise notified by the Administrator within such period it shall continue in effect thereafter, until otherwise specified by the Board, unless suspended or revoked.

25.700 Existing certificates. A currently effective mechanic certificate with a parachute rigger rating shall continue in effect for a period of not to exceed 6 months after the effective date of this Part, during which time the holder thereof may secure upon application a parachute technician certificate of:

(a) Parachute rigger grade with appropriate ratings; or

(b) A higher grade with appropriate ratings upon demonstrating to the satisfaction of the Administrator that he is able to meet the standards currently prescribed in the Civil Air Regulations for the issuance of such grade and ratings.

25.71 Revocation. No person whose parachute technician certificate has been revoked shall apply for or be issued a parachute technician certificate for a period of one year after the revocation, except as the order of revocation may otherwise provide.

REGULATIONS AND LIMITATIONS

25.8 General. A certificated parachute technician shall not serve as such unless:

(a) He has in his possession in addition to his parachute technician certificate, an identification card satisfactory to the Administrator containing his fingerprints, picture, and signature; and

(b) There is attached as part of his certificate the appropriate Airman Rating Record prescribed and issued by the Administrator setting forth such limitations as to type and make of parachute and such other limitations as the Administrator may prescribe.

25.80 Service limitations. A certificated parachute technician shall not:

(a) Perform any act or serve in any manner in connection with his certificate which will adversely affect public safety;

(b) Pack any parachute which is not in condition for safe use;

(c) Serve otherwise than in accordance with the terms, limitations, and conditions of his certificate and rating record except as provided hereinafter: *Provided,*

That the holder of a mechanic certificate with a parachute rigger rating in effect on the 21st day of January, 1943 may perform service pursuant to the terms of such certificate and rating record for a period not to exceed 6 months after the effective date of this Part;

(d) Pack a parachute for use by any person other than himself; unless:

(1) Such parachute has been thoroughly dried and aired for a period of at least 12 hours for each 30 days since the time of its last packing; and

(2) Such parachute is packed in accordance with the approved method of the manufacturer and in a place where the minimum facilities prescribed in § 25.9 are available; and

(3) Within the preceding 30 days he has reviewed the manufacturer's instructions with respect to the packing of the particular type if more than 6 months have elapsed since he last packed a parachute of that make and type; and

(4) Within the preceding 30 days he has reviewed the manufacturer's instructions with respect to the packing of the particular type and has made at least 10 practice packings of that type if more than 12 months have elapsed since he last packed a parachute of the identical make and type;

(e) Make any modification, alteration, or major repair not specifically authorized in writing by the manufacturer of the parachute, or the Administrator, or make any substitution of materials or parts on any parachute, or in any way deviate from the manufacturer's approved procedures of packing any make or type of parachute.

25.800 Parachute rigger. A parachute rigger shall not make any major repairs to parachutes unless he is under the supervision of a person deemed competent for the purpose by the Administrator.

25.801 Senior parachute rigger. A senior parachute rigger shall not make any major repairs to parachutes except to those types for which he is rated unless he is under the supervision of a person deemed competent for the purpose by the Administrator; nor shall such repairs be made otherwise than in a manner which will restore the equipment to an airworthy condition.

25.802 Master of parachute maintenance. A master of parachute maintenance shall not make any major repairs to parachutes except in a manner which will restore the equipment to an airworthy condition.

25.803 Parachute instructor. A certificated parachute technician with a parachute instructor rating shall not permit any student under his supervision to make a training or exhibition parachute jump unless such student has been thoroughly instructed in the proper methods of making such jumps and the instructor is satisfied that the student has the theoretical knowledge prescribed in § 25.500, and has passed the physical examination prescribed in § 25.502.

25.81 Log-book.

25.810 Individual log-books. A certificated parachute technician shall keep a record of his parachute packing and jumping operations in a log-book, which shall be a bound record and contain accurate and legible entries in ink or indelible pencil.

25.811 Contents. The log-book shall contain the date of packing or jumping, name and address of the owner, serial number of each parachute, its type and manufacturer, place where packed or jumped, the certificate number of the parachute technician, and a record of drop tests and repairs. Such log-book shall be presented to any authorized representative of the Administrator, or any State or municipal officer enforcing local regulations or laws involving Federal compliance, upon request and reasonable notice.

25.812 Master log-book. A certificated parachute technician in charge of parachute maintenance operations, in which two or more certificated parachute technicians are engaged in the same parachute loft, shall be responsible for the maintenance of a master log-book which shall contain all of the information prescribed in § 25.811.

25.82 Display of certificate. A certificated parachute technician shall keep his certificate readily available when on duty and shall present it for inspection upon reasonable request by an authorized person or representative of the Administrator or Board or of any State or municipal officer enforcing local regulations or laws involving Federal compliance.

25.83 Inspection. An applicant or holder of a parachute technician certificate upon reasonable request by any representative of the Administrator shall cooperate fully in any examination which may be made of him.

25.84 Surrender of certificate. Upon the suspension, expiration, or revocation of any certificate, the holder shall upon request surrender such certificate to any duly authorized representative of the Administrator.

25.85 Notice of defects. A certificated parachute technician upon refusal to pack any defective parachute, shall give notice thereof to the owner and forward a copy to the manufacturer of the parachute and to the Administrator. Such notice shall contain the owner's name and address, the manufacturer's name, serial number, date of manufacture, the type, material, and basic construction of the canopy, a statement containing the parachute's use and history, if known, and the reasons for refusing to pack the parachute.

25.86 Seal. Each certificated parachute technician shall have a seal press of suitable design with an individual identifying marker assigned by the Administrator. Upon repacking any parachute, he shall seal the pack release with a thread of not more than two pounds tensile strength, and affix his seal in such a manner that it cannot interfere in any way with the prompt and proper functioning of the parachute, and shall make certain that the parachute connot be opened without the destruction of the seal.

25.87 Parachute record. A certificated parachute technician shall enter on the parachute packing record of each parachute packed by him the date and place of packing, his signature, and his certificate number.

25.88 Reports. A certificated parachute technician shall transmit to the Administrator, annually, during the month of January, a report for the preceding 12-month period, setting forth the number and type of parachutes packed and such other pertinent data as the Administrator may require.

25.89 Transfer. A parachute technician certificate is not transferable.

25.9 Minimum facilities. Unless prior approval has been obtained from the Administrator, a certificated parachute technician shall not pack or repack any parachute or make any minor parachute repairs in a place other than where the following facilities for such operations are available:

(a) A suitable smooth-top table at least 8 x 40 feet in length;

(b) A suitable compartment where parachutes may be suspended for drying and airing;

(c) Packing tools and repair equipment suitable for the repacking and repair of the type of parachute involved; and

(d) Adequate housing facilities for such equipment."

By the Civil Aeronautics Board:

/S/ Darwin Charles Brown

DARWIN CHARLES BROWN
Secretary

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