CIVIL AERONAUTICS AUTHORITY

WASHINGTON, D. C.

CIVIL AIR REGULATIONS

PART 24.—MECHANIC CERTIFICATES

Effective May 1, 1940, as Amended

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FOREWORD

Part 24, as amended by the Authority, effective May 1, 1940, combines the regulations with respect to parachute riggers (Part 25) with those regulating aircraft and aircraft engine mechanics (Part 24). Part 25 is now unassigned.

Part 24, as amended, effective May 1, 1940, contains the following major changes: (Unless otherwise designated all section citations refer to the former regulations.)

(1) Formerly, Part 24 provided for the certification and regulation of aircraft and aircraft engine mechanics. Part 25 provided for the certification and regulation of parachute riggers. This revised Part provides for the issuance of one certificate, a mechanic certificate, and three mechanic ratings, (a) aircraft mechanic rating, (b) aircraft engine mechanic rating, and (c) parachute rigger rating. These ratings will be set forth on an Airman Rating Record which is provided for by the revision.

(2) Under the former regulations mechanic ratings held by a certificated mechanic constituted a part of the mechanic certificate. Under the revision an Airman Rating Record will contain these ratings and a mechanic certificate will not be valid unless accompanied by an Airman Rating Record. This will facilitate the issuance and alteration of ratings without the necessity of issuing new certificates in each instance.

(3) The only material change in section 24.104, Aeronautical Knowledge, is that this section required an applicant for an aircraft mechanic certificate to be familiar with the provisions of Parts 00, 01, 02, 04, 14, 15, 18, and 24 whereas the revision provides that he need only be *generally* familiar with the provisions of Parts 04 and 15 and *thoroughly* familiar with the provisions of section 60.32 (the provisions of amended section 60.32 were formerly contained in Part 02), the provisions of Part 01 dealing with aircraft airworthiness, and the provisions of Parts 18 and 24. Knowledge of Part 00 is not required since that Part has been stricken from the regulations.

(4) The only material change in section 24.114, Aeronautical Knowledge, is that this section required an applicant for an aircraft engine mechanic certificate to be familiar with the provisions of Parts 00, 01, 02, 04, 13, 14, 15, 18, and 24 whereas the revision provides that he need only be *generally* familiar with the provisions of Parts 04, 13 and 14, and *thoroughly* familiar with the provisions of Part 01 dealing with aircraft airworthiness and the provisions of Parts 18 and 24. Knowledge of Part 00 and Part 02 (Part 02 formerly contained the aircraft identification mark requirements), and Part 15, Aircraft Equipment Airworthiness, is not required.

(5) Section 25.14 required an applicant for a parachute rigger rating to have packed 20 or more parachutes under the supervision of a certificated parachute rigger. No aeronautical knowledge or skill requirements were prescribed. This revision prescribes the following new requirements:

"24.220 Aeronautical knowledge. Applicant shall have theoretical and practical knowledge of parachutes, shall know how to properly pack, inspect, maintain, and repair the same and shall be familiar with the provisions of Part 24 and the applicable provisions of Part 15."

"24.222 Aeronautical skill. Applicant shall satisfactorily demonstrate, by means of written, oral and practical tests, his ability with respect to the subject matters prescribed in § 24.220."

(6) Section 24.203 provided that in the discretion of the Authority an identification card could be issued with any mechanic certificate. This identification card formerly contained a picture of the holder as well as his physical description. Since identification cards have not been used since September 29, 1939, the revision strikes this provision. A description of the holder will be contained on the face of the certificate.

(7) The display provisions in the former regulations (§§ 24.23 and 25.23) required a mechanic to keep his certificate in his personal possession while on duty. The revision provides that the certificate only be kept readily available.

(8) The duration of mechanic and parachute rigger certificates and the methods of renewal of such certificates have been changed. Under the former regulations, a temporary mechanic or parachute rigger certificate was issued in the field and expired 60 days after issuance. The inspector's report of the examination of the mechanic or parachute rigger was forwarded to the Washington office and, if no objection was found to the issuance of a certificate in the particular case, a "permanent" certificate was issued for 2 years. Thereafter, each 2 years the mechanic or parachute rigger presented his certificate for renewal with a record of his service under his certificate and the inspector took up the old certificate and issued a new one. In order to eliminate delay in the issuance of permanent certificates and also the cost of issuing renewal certificates, a new duration clause is prescribed in this revision.

Under this revision a permanent certificate is issued in the field. The inspector's report of the examination of the mechanic or parachute rigger is forwarded to the Washington office and, if within 60 days the holder is not notified of any objection, the certificate will be of indefinite duration. Thereafter, each 2 years (this period is referred to as the "endorsement period") the mechanic or parachute rigger will present his certificate for endorsement with a record of his service under his certificate and the inspector, upon approval, will endorse the certificate, thus continuing it in effect for an additional endorsement period. The requirements for securing an endorsement are substantially the same as the requirements for renewal prescribed in the former regulations.

If the mechanic or parachute rigger fails to secure an endorsement at the end of the endorsement period, or after reexamination by an inspector at any time, his certificate automatically expires.

(9) The last four sections of the former Part 25 contained a list of the facilities which a parachute rigger was required to have in order to repair and pack parachutes and prescribes the kinds of repairs he could make. The revision consolidates these four sections into the last two sections of this revised Part.

THE UNITED STATES OF AMERICA

CIVIL AERONAUTICS AUTHORITY

WASHINGTON, D. C.

At a session of the Civil Aeronautics Authority held at its office in Washington, D. C., on the 2nd day of February 1940.

In the Matter of the Effective Date of Certain Amendments to the Civil Air Regulations

ORDER PRESCRIBING THE EFFECTIVE DATE OF PARTS 51 AND 53, THE REVISION OF PARTS 20, 24, AND 52, AND SECTION 60.50, AND THE DELETION OF PARTS 23 AND 25 OF THE CIVIL AIR REGULATIONS

Acting pursuant to the authority vested in it by the Civil Aeronautics Act, and finding that its action is desirable in the public interest and is necessary to carry out the provisions of and to exercise and perform its powers and duties under said Act, the Civil Aeronautics Authority orders that: Part 51 of the Civil Air Regulations, adopted by the Authority November 7, 1939; Part 53 of the Civil Air Regulations, adopted by the Authority October 3, 1939; the amendment to Part 20 adopted by the Authority on November 7, 1939, and further amended heretofore on this day, February 2, 1940; the amendments to Parts 23 and 52 and section 60.50 of the Civil Air Regulations, adopted by the Authority November 7, 1939; and the amendment to Parts 24 and 25 of the Civil Air Regulations, adopted by the Authority December 22, 1939, shall become effective May 1, 1940.

By the Authority:

[SEAL]

(S) PAUL J. FRIZZELL,
Paul J. Frizzell,
Secretary.

CIVIL AIR REGULATIONS

PART 24.—MECHANIC CERTIFICATES

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24.1 Mechanic certificate requirements. To be eligible for a mechanic certificate, an applicant shall comply with the following requirements:

24.10 Age. Applicant shall be at least 18 years of age.

24.11 Character. Applicant shall be of good moral character.

24.12 Citizenship. Applicant may be of any nationality.

24.13 Education. Applicant shall be able to read, write, speak, and understand the English language.

24.14 Other requirements. Applicant shall comply with the requirements prescribed in this Part for the particular mechanic rating sought.

24.2 Mechanic ratings. Mechanic ratings are as follows:

(a) Aircraft mechanic rating;

(b) Aircraft engine mechanic rating;

(c) Parachute rigger rating.

24.20 Aircraft mechanic rating. To be eligible for an aircraft mechanic rating, an applicant shall comply with the following requirements:

24.200 Aeronautical knowledge. Applicant shall have theoretical and practical knowledge of aircraft structure and rigging, including the control systems, and aircraft appliances, shall know how properly to inspect, maintain, and repair the same, and shall be generally familiar with the provisions of Parts 04 and 15, and thoroughly familiar with the provisions of section 60.32, the provisions of Part 01 dealing with aircraft airworthiness, and the provisions of Parts 18 and 24.

24.201 Aeronautical experience. Applicant shall have had at least 1 year of practical experience, or what is deemed by the Authority to be its equivalent, in the construction, inspection, maintenance, or repair of aircraft and aircraft appliances.

24.202 Aeronautical skill. Applicant shall satisfactorily demonstrate, by means of written, oral, and practical tests, his ability with respect to the subject matters prescribed in § 24.200.

24.21 Aircraft engine mechanic rating. To be eligible for an aircraft engine mechanic rating, an applicant shall comply with the following requirements:

24.210 Aeronautical knowledge. Applicant shall have theoretical and practical knowledge of aircraft power plants, propellers, and their appliances, shall know how properly to inspect, maintain, and repair the same, and shall be generally familiar with the provisions of Parts 04, 13, and 14, and thoroughly familiar with the provisions of Part 01 dealing with aircraft airworthiness and the provisions of Parts 18 and 24.

24.211 Aeronautical experience. Applicant shall have had at least 1 year of practical experience, or what is deemed by the Authority to be its equivalent, in the construction, inspection, maintenance, or repair of aircraft engines, propellers, and their appliances.

24.212 Aeronautical skill. Applicant shall satisfactorily demonstrate, by means of written, oral, and practical tests, his ability with respect to the subject matters prescribed in § 24.210.

24.22 Parachute-rigger rating. To be eligible for a parachute-rigger rating, an applicant shall comply with the following requirements:

24.220 Aeronautical knowledge. Applicant shall have theoretical and practical knowledge of parachutes, shall know how to properly pack, inspect, maintain, and repair the same, and shall be familiar with the provisions of Part 24 and the applicable provisions of Part 15.

24.221 Aeronautical experience. Applicant shall show satisfactory proof of having packed 20 or more parachutes under the supervision of a certificated parachute rigger or a certificated mechanic holding a parachute rigger rating.

24.222 Aeronautical skill. Applicant shall satisfactorily demonstrate, by means of written, oral, and practical tests, his ability with respect to the subject matters prescribed in § 24.220.

24.3 Mechanic certificate.

24.30 Application. Application for a mechanic certificate shall be made upon the applicable form prescribed and furnished by the Authority.

24.300 Application to amend. When any change in an Airman Rating Record [1] is desired, the applicant shall file a written request therefor upon the applicable form prescribed and furnished by the Authority.

[1] Under § 24.50 no certificated mechanic who is directly in charge of packing parachutes or of the inspection, maintenance, or repair of certificated aircraft, aircraft engines, or their appliances, shall engage in such service unless the appropriate Airman Rating Record is attached to his certificate. The Airman Rating Record is a sheet attached to all mechanic certificates when they are issued and will contain the mechanic rating(s) held by the certificate holder.

24.31 Display. A mechanic certificate shall be kept readily available to the mechanic at all times when he is serving in connection with certificated aircraft, aircraft engines, propellers, appliances, or parachutes and shall be presented for inspection upon the reasonable request of any person.

24.32 Duration. A mechanic certificate shall be of 60 days' duration and, unless the holder thereof is otherwise notified by the Authority within such period, shall continue in effect indefinitely thereafter, unless suspended or revoked by the Authority, except that it shall expire immediately (1) at the end of each designated period [2] after the date of issuance thereof if the holder of such certificate fails to secure an endorsement by an authorized inspector of the Authority within the last 45 days of each such period, or (2) at any time an authorized inspector of the Authority shall refuse to endorse such certificate after inspection or examination.

24.33 Periodic endorsement requirements. No mechanic certificate shall receive a periodic endorsement [3] unless the holder thereof shall make application for endorsement upon the applicable form prescribed and furnished by the Authority and shall have met the requirements hereinafter prescribed with respect to the various classes of mechanic ratings:

(a) Aircraft mechanic rating. Applicant shall have served as an aircraft mechanic for at least one-half of the endorsement period.

(b) Aircraft engine mechanic rating. Applicant shall have served as an aircraft engine mechanic for at least one-half of the endorsement period.[4]

(c) Parachute-rigger rating. Applicant shall have served as a parachute rigger and shall have packed satisfactorily at least 25 parachutes during the endorsement period.

24.34 Nontransferability. A mechanic certificate is not transferable.

24.35 Surrender. Upon the suspension, revocation, or expiration of a mechanic certificate, the holder thereof shall surrender such certificate, upon request, to any officer or employee of the Authority.

24.36 Reexamination. An applicant for a mechanic certificate who has failed to successfully accomplish any prescribed theoretical or practical examination or test may apply for reexamination at any time after the expiration of 90 days from the date of such failure.

24.4 Examinations and tests.

24.40 General. The examinations and tests prescribed in this Part will be conducted by an authorized representative of the Authority.

24.41 Time and place. All examinations and tests will be held at such times and places as the Authority or its representative may prescribe.

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[2] A statement of duration will appear on all mechanic certificates and the period here referred to will be designated in that statement. The holder of a mechanic certificate will be required, under ordinary circumstances, to secure an endorsement every 2 years. Hereafter in this Part this period will be referred to as the "endorsement period."

[3] See footnote to § 24.32. Under § 24.32 a periodic endorsement can only be secured within the last 45 days of each endorsement period.

[4] A certificated mechanic who holds both an aircraft mechanic rating and an aircraft engine mechanic rating and who has served as an aircraft mechanic and as an aircraft engine mechanic for one-half of the endorsement period may receive a periodic endorsement for both ratings even though his service as such was concurrent.