Federal Aviation Agency
Washington, D.C.

Civil Aeronautics Manual 24
Mechanic and Repairman Certificates

Supplement No. 1, CAM 24 dated Dec. 15, 1959 **Dec. 15, 1960**

SUBJECT: Qualifying Experience for Mechanic Inspection Authority.

This supplement is issued to incorporate into CAM 24 FAA rules issued July 11, 1960, concerning the acceptance of experience acquired by certificated mechanics in the inspection, maintenance, and repair of certificated public aircraft as meeting the qualification requirements for the issuance of an inspection authorization. Also, sections 24.11 and 24.105 have been revised to show the new address to which the holder of a mechanic or repairman certificate should mail notices of his change of address.

New or revised material is marked with black brackets on the pages submitted with this supplement.

Remove the following pages:	*Insert the following new pages:*
3 and 4	3 and 4
7 through 10	7 through 10

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ATTACHMENTS.

ments as outlined in section 24.21–1 of this part, the applicant will be issued a Temporary Airman Certificate, Form FAA–1710–T, by an inspector [2] or an authorized representative of the Administrator: *Provided*, That all of the requirements of this part have been met.

(Published in 18 F. R. 6801, Oct. 28, 1953, effective Nov. 1, 1953.)

24.7 ***Duration.***

(a) A mechanic certificate and ratings shall remain in effect until surrendered, suspended, revoked, or otherwise terminated by order of the Administrator, except that a certificate issued to an individual other than a United States citizen shall remain in effect for only one year: *Provided*, That upon application to the Administrator and upon showing continued compliance with the other requirements of this part, a mechanic certificate may be reissued to an individual other than a United States citizen for additional periods of one year without further demonstration of technical competence. After revocation, and upon request of the Administrator after suspension or termination, the certificate shall be returned to the Administrator.

(b) A temporary mechanic certificate shall remain in effect for 90 days.

24.7–1 *Reissuance to other than United States citizen (FAA policies which apply to sec. 24.7 (a))*. The holder of a mechanic certificate issued to other than a United States citizen may be reissued a certificate by presenting a properly executed application Form ACA–363 to an inspector or other authorized representative of the Administrator: *Provided*, That he meets the recent experience and citizenship requirements of Civil Air Regulations. The applicant, to show proof of recent experience, may either (a) obtain a statement certifying thereto on the application form by an inspector or other authorized representative of the Administrator, or (b) furnish satisfactory proof such as a letter from his employer or immediate superior, employment records, etc., that he meets the requirements of section 24.51 of this part.

(Published in 18 F. R. 6801, Oct. 28, 1953, effective Nov. 1, 1953.)

[2] The word inspector as used within this Part, means Bureau of Flight Standards Inspector unless otherwise defined.

24.8 *Outstanding mechanic certificates and ratings.* After the effective date of this part (June 15, 1952) a person holding a valid mechanic certificate with an aircraft mechanic rating shall be deemed to hold a valid mechanic certificate with an airframe rating, a person holding a valid mechanic certificate with an aircraft engine mechanic rating shall be deemed to hold a valid mechanic certificate with a powerplant rating, and a person holding a valid mechanic certificate with aircraft mechanic and aircraft engine mechanic ratings shall be deemed to hold a valid mechanic certificate with both airframe and powerplant ratings. The Administrator may, in such form and manner as he may establish, require the exchange of outstanding certificates for certificates issued in accordance with the provisions of this part.

24.8–1 *Outstanding mechanic certificates (FAA interpretations which apply to sec. 24.8)*. Mechanic certificates with aircraft and/or aircraft engine ratings issued prior to June 15, 1952, and valid on that date, are considered equivalent to mechanic certificates that were issued subsequent to June 15, 1952, with airframe and/or powerplant ratings.

(Published in 18 F. R. 6801, Oct. 28, 1953, effective Nov. 1, 1953.)

24.8–2 *Exchange of outstanding mechanic certificates (FAA policies which apply to sec. 24.8)*. Mechanic certificates with either aircraft or aircraft engine ratings, or both, issued prior to June 15, 1952, and valid on that date, may be exchanged for certificates with appropriate airframe and/or powerplant ratings, upon application, on Form ACA–363, to a Bureau of Flight Standards District Office or inspector.

(Published in 18 F. R. 6801, Oct. 28, 1953, effective Nov. 1, 1953.)

24.9 *Display.* When issued to the individual, the mechanic certificate with appropriate ratings shall be kept readily available by the mechanic at all times while exercising the privileges of such certificate, and shall be available for inspection by any authorized representative of the Administrator or the Board, or by any authorized State or local law enforcement officer.

24.9–1 *Readily available (FAA interpretations which apply to sec. 24.9).* A mechanic must keep his certificate within the immediate area where he normally exercises the privileges conferred on him by the certificate.

(Published in 18 F. R. 6801, Oct. 28, 1953, effective Nov. 1, 1953.)

24.11 *Change of address.* Within 30 days after any change in the permanent mailing address of a holder of a mechanic certificate, the holder shall notify the Administrator in writing of such change. Such notice shall be mailed to the [Examination and Records Division, Federal Aviation Agency, 621 North Robinson Avenue, Oklahoma City 2, Oklahoma.]

24.11–1 *Change of address (FAA policies which apply to sec. 24.11).* The notification of change of address should include the following information: Full name, new address, old address, and certificate number.

(Published in 18 F. R. 6802, Oct. 28, 1953, effective Nov. 1, 1953.)

General Certificate Requirements

24.15 *Citizenship.* An applicant for a mechanic certificate may be a citizen of any country or a person without nationality.

24.16 *Age.* 18 years is the minimum age for the issuance of a mechanic certificate.

24.17 *Education.* An applicant shall be able to read, write, speak, and understand the English language: *Provided*, That if an applicant is employed by a United States air carrier outside of the United States, such applicant shall not be required to meet this requirement, and in that event his certificate shall be appropriately endorsed by the Administrator.

24.17–1 *Education (FAA policies which apply to sec. 24.17).* Certificates of persons employed by United States air carriers outside of the continental United States who are excepted from the education requirements of section 24.17 of this part will be appropriately endorsed as follows: "Valid Only Outside the U. S."

(Published in 18 F. R. 6802, Oct. 28, 1953, effective Nov. 1, 1953.)

24.18 *Examinations and tests.* Examinations and tests shall be conducted by an authorized representative of the Administrator at such times and places as the Administrator may designate.

24.18–1 *Examinations and tests (FAA policies which apply to sec. 24.18).*

(a) The written examinations will be conducted at FAA district offices located throughout the United States or by inspectors on scheduled itineraries. An applicant may obtain information relative to the dates and places of the scheduled itineraries by consulting the local airport bulletin board or by addressing an inquiry to the nearest Bureau of Flight Standards District Office. Addresses of these offices may be obtained by writing direct to one of the regional offices listed in appendix D.

(b) Since an applicant must demonstrate his skill and competency by practical tests which involve the use of facilities, equipment, and tools, the practical examinations are given by appointment only. Appointments for the oral and practical tests will be arranged by contacting Bureau of Flight Standards District Offices, inspectors, or designated mechanic examiners. A list of designated mechanic examiners can be obtained from district offices for the areas under their supervision.

(Published in 18 F. R. 6802, Oct. 28, 1953, effective Nov. 1, 1953.)

24.19 *Reexamination after failure.* An applicant for a mechanic certificate who has failed any prescribed written or practical examination or test may not apply for reexamination within 30 days after the date of such examination or test unless he presents a statement signed by a certificated mechanic holding an appropriate rating, a certificated ground instructor holding an appropriate rating, or an equally qualified individual acceptable to the Administrator, which attests that the applicant has received an additional 5 hours of instruction in each of the subjects failed and that the applicant is considered competent for reexamination.

24.19–1 *Reexamination after failure (FAA interpretations which apply to sec. 24.19).* A properly certificated repairman is considered as an "equally qualified individual acceptable to the Administrator" and is authorized to give additional instruction on the specialty for

after he has performed, supervised, or inspected maintenance, minor repair, or minor alteration thereon. In addition, he may perform the 100-hour inspection required by Part 43 of this subchapter on an airframe, or any component thereof, and may return the same to service.

24.42 *Powerplant rating.* A certificated mechanic with a powerplant rating may perform maintenance, minor repairs, or minor alterations to a propeller, and may release the powerplant or propeller, or any component thereof, for service after he has performed, supervised, or inspected maintenance, minor repair, or minor alteration thereon. In addition, he may perform the 100-hour inspection required by Part 43 of this subchapter on a powerplant or propeller, or any component thereof, and may release the same to service.

24.43 *Airframe and powerplant ratings.*

(a) A certificated mechanic holding both airframe and powerplant ratings and having such other qualifications as the Administrator may deem appropriate, when issued an inspection authorization by the Administrator under paragraph (b) of this section, may:

(1) Inspect and return to service aircraft or aircraft components thereof (excluding aircraft operated in accordance with the provisions of Part 40 or Part 41 of this subchapter, or aircraft of more than 12,500 pounds maximum certificated take-off weight when operated in accordance with the provisions of Part 42 of this subchapter) after major repairs and major alterations have been made in accordance with the provisions of Part 18 of this subchapter; and

(2) Perform the periodic, and perform or supervise the progressive inspections required by Part 43 of this subchapter. The activities conducted under authority of this subparagraph shall be in accordance with procedures and standards prescribed by the Administrator.

(b) The Administrator shall issue an appropriate, written inspection authorization to any person qualified under paragraph (a) of this section who shall apply therefor in a manner and form specified by the Administrator.

24.43–1 *Inspection authorization (FAA rules which apply to sec.* 24.43).

(a) *Qualifications.* Authority to examine, inspect, and release aircraft for service in accordance with section 24.43 (a) of this part will be granted to any certificated mechanic applying in accordance with paragraph (b) of this section who has the following additional qualifications:

(1) His airframe and powerplant ratings shall have been in effect for a total of at least three years prior to the date of application;

(2) He has been actively engaged for at least 2 years, immediately preceding the date of application, in the inspection, maintenance, and repair of aircraft certificated and maintained in accordance with the provisions of the Civil Air Regulations.

(3) He shall have a fixed base of operation at which he can be contacted in person or by telephone during a normal working week. The fixed base of operation does not necessarily have to be the location at which the applicant will exercise the inspection authority;

(4) He shall have available such equipment, facilities, and inspection data as are necessary for the competent and efficient inspection of airframes and powerplants to determine compliance with applicable Civil Air Regulations;

(5) He shall have a satisfactory record as a FAA Designated Aircraft Maintenance Inspector for at least 1 year immediately preceding the date of application, or

(6) He shall by examination satisfactorily demonstrate his knowledge and ability to conduct inspections in accordance with the prescribed safety standards for returning aircraft to service after major repairs and alterations performed in accordance with Part 18 of this subchapter and the inspections required by section 43.22 of this subchapter.

(b) *Procedure for making application.* A certificated mechanic meeting the qualification requirements of paragraph (a) (1) through (5) of this section who desires the authorization to perform the privileges of section 24.43 of this part shall make application on Form ACA–2353 entitled, "Mechanic's Application for Inspection Authorization."[4] Applicants who only meet the requirements of paragraph (a) (1) through (4) of this section shall complete Form ACA–2353 and shall satisfactorily accomplish the examination required in paragraph (a) (6)

[4] Appendix B contains additional instructions for making application for mechanic's inspection authorization.

of this section.[5] In the event an applicant fails the examination, he may not apply for reexamination for 90 days.

(c) *Inspection authorization.* Applicants found qualified will be issued Form FAA-2354 entitled, "Inspection Authorization." This inspection authorization shall be kept readily available by the mechanic at all times when exercising the privileges of section 24.43 of this part and shall be available for inspection by the aircraft owner, by the mechanic submitting the aircraft or the repair for approval, or by any authorized representative of the Administrator or the Civil Aeronautics Board. The holder of an inspection authorization shall not exercise the privileges of the authorization when he has changed his fixed base of operation until written notification thereof has been given to the Bureau of Flight Standards District Office in the area in which the new base is established.

(d) *Duration of authorization.* An inspection authorization shall expire on March 31 of each year.

(e) *Procedure for renewal of authorization.* The holder of an Inspection Authorization, Form FAA-2354, may have the authorization extended until March 31 of the following year by:

(1) Presenting evidence, at a meeting designated by the local district office during the month of March each year,[6] to show that the holder has been actively engaged in exercising the privileges of the inspection authorization during the preceding 12 months in at least one of the following capacities:

(i) Conducted at least one periodic inspection for each 90 days [7] the authorization has been in effect since issuance or last renewal, or

(ii) Inspected for return to service at least two repairs or alterations for each 90 days [6] the authorization has been in effect since issuance or last renewal, or

(iii) Supervised or conducted progressive inspections in accordance with the standards prescribed by the Administrator.

(2) Reapplying for the inspection authorization in accordance with the procedures set forth in paragraph (b) of this section.

(Published in 21 F. R., May 15, 1956, effective July 17, 1956; amended in 23 F. R. 1591, Mar. 6, 1958, effective Mar. 28, 1958; amended in 25 F. R. 6685, July 15, 1960, effective July 15, 1960.)

24.43-2 *Prescribed standards (FAA interpretations which apply to sec. 24.43).* The phrase "procedures and standards prescribed by the Administrator" means those procedures and standards set forth in section 18.30 of this subchapter.

(Published in 21 F. R., May 15, 1956, effective July 17, 1956.)

Operating Rules

24.50 *General.* A certificated mechanic shall not exercise the privileges of his certificate and rating unless he is familiar with the current manufacturers' instructions and the maintenance manuals pertinent to the particular operation to be performed.

24.51 *Recent experience requirements.* A certificated mechanic shall not exercise the privileges of his certificate and ratings unless, within the preceding 24 months he has either:

(a) Been found competent by an authorized representative of the Administrator, or

(b) For at least 6 months during the preceding 24-month period:

(1) Served as a mechanic under the terms of his certificate and ratings, or

(2) Been engaged in the technical supervision of mechanics, or

(3) Been engaged in the executive supervision of maintenance, repair, or alteration of aircraft, or

(4) Been engaged in any combination of subparagraphs (1), (2), and (3) of this paragraph.

Subpart B—Repairman Certificates

Certification Rules

24.100 *Classification.* There is hereby established a classification of airman, known as a "repairman," who:

[5] Appendix C contains additional information concerning the written examination.

[6] The location and number of meetings held in each Bureau of Flight Standards District Office area will be governed by the location and number of mechanics holding the inspection authorization.

[7] Inspection authorizations which have been in effect less than 90 days will be renewed for another year provided the holder still meets the qualifications required for original appointment by paragraph (a) (1), (2), (3), and (4) of this section.

(a) Possesses special qualifications to perform inspection, maintenance, overhaul, or repair of aircraft, aircraft engines, propellers, or appliances;

(b) Is employed by a certificated repair station or an appropriately certificated air carrier for a particular job requiring such special qualifications; and

(c) Is recommended for certification by such employer to the Administrator or his authorized representative.

24.101 *Issuance.* A repairman certificate may be issued by the Administrator or his authorized representative to an individual who is found to meet the requirements of this subpart and who has been recommended for such certification by the certificated repair station or appropriately certificated air carrier by whom he is employed.

24.102 *Duration.* A repairman certificate shall be valid until the termination of the holder's employment by the recommending repair station or air carrier, or relief of the repairman from the patricular duties for which he was employed and certificated, whichever shall first occur, unless it is sooner suspended, revoked, or otherwise terminated by the Administrator, after which it shall be returned to the Administrator.

24.102–1 *Duration (FAA interpretations which apply to sec. 24.102).* At the termination of a repairman's employment, or if he is assigned other duties, or his certificate is otherwise terminated, it is the responsibility of the repairman to return the certificate to the Administrator. This may be accomplished through the local district office or inspector or by requesting his employer to forward the certificate for cancellation.

(Published in 18 F. R. 6802, Oct. 28, 1953, effective Nov. 1, 1953.)

24.103 *Display.* The repairman certificate shall be kept readily available by the repairman at all times while exercising the privileges of such certificate, and it shall be available for inspection by an authorized representative of the Administrator or the Board, or by any authorized State or local law enforcement officer.

24.103–1 *Readily available (FAA interpretations which apply to sec. 24.103).* A repairman must keep his certificate within the immediate area where he normally exercises the privileges conferred on him by the certificate.

(Published in 18 F. R. 6803, Oct. 28, 1953, effective Nov. 1, 1953.)

24.105 *Change of address.* Within 30 days after any change in the permanent mailing address of a holder of a repairman certificate, the holder shall notify the Administrator in writing of such change. Such notice shall be mailed to the [Examination and Records Division, Federal Aviation Agency, 621 North Robinson Avenue, Oklahoma City 2, Oklahoma.]

24.105–1 *Change of address (FAA policies which apply to sec. 24.105).* The notification of change of address should include the following information: Full name, new address, old address, and certificate number.

(Published in 18 F. R. 6803, Oct. 28, 1953, effective Nov. 1, 1953.)

General Certificate Requirements

24.110 *Citizenship.* An applicant for a repairman certificate may be a citizen of any country or a person without nationality.

24.111 *Age.* 18 years is the minimum age for the issuance of a repairman certificate.

24.112 *Education.* An applicant shall be able to read, write, speak, and understand the English language: *Provided,* That if an applicant is employed outside of the United States by an appropriately certificated United States air carrier or a certificated repair station, such applicant shall not be required to meet this requirement, and in that event his certificate shall be appropriately endorsed by the Administrator, or the authorized representative of the Administrator who issued the certificate.

Experience and Skill Requirements

24.120 *General.* The repair station or air carrier by whom the applicant is or will be employed shall certify to the satisfaction of the Administrator or his authorized representative that the applicant is competent to perform the

duties of inspection, maintenance, overhaul, or repair of the particular aircraft, aircraft engines, propellers, or appliances with respect to which he is to be employed.

24.121 *Minimum experience.* The applicant shall have had at least 18 months of practical experience with the procedures, practices, inspection methods, materials, tools, machine tools, and equipment generally used in the inspection, maintenance, overhaul, or repair functions of the particular job for which he is to be employed and certificated.

Privileges and Limitations of a Repairman Certificate

24.130 *General.* A certificated repairman may supervise or perform the inspection, maintenance, overhauling, or repair of aircraft, aircraft engines, propellers, or appliances in connection with the particular job for which he was employed and certificated. Such privileges may be exercised only in connection with such duties with the certificated repair station or appropriately certificated air carrier by whom he was recommended and employed.

Operating Rules

24.140 *General.* A certificated repairman shall not exercise the privileges of his certificate unless he is familiar both with current manufacturers' or appropriate air carriers' instructions and the maintenance manuals pertinent to the particular operation to be performed.

NOTE: Specific record or reporting requirements subsequently prescribed will be subject to the approval of the Bureau of the Budget pursuant to the Federal Reports Act of 1942.

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