CIVIL AIR REGULATIONS

PART 33
FLIGHT RADIO OPERATOR CERTIFICATES

As amended to November 1, 1956

CIVIL AERONAUTICS BOARD

WASHINGTON, D. C.

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[Reprinted from FEDERAL REGISTER of November 15, 1956]

TITLE 14—CIVIL AVIATION

Chapter I—Civil Aeronautics Board

Subchapter A—Civil Air Regulations

PART 33—FLIGHT RADIO OPERATOR CERTIFICATES

REVISION OF PART

Because of the number of outstanding amendments to Part 33, it has been decided to issue a revision of this part incorporating all amendments thereto in effect on November 1, 1956. Attention is called also to the following minor changes which have been made:

(1) Definitions of the terms "Administrator" and "Approved" have been added to § 33.2 and all definitions have been arranged alphabetically, without paragraph designations. Also, a minor editorial change has been made in the definition of "Authorized representative of the Administrator" for the purpose of obtaining uniformity in language with more recently revised parts of the Civil Air Regulations.

(2) All footnotes have been changed to notes and follow the sections to which they apply.

(3) Section 33.8 *Exchange of certificates* has been deleted since it is no longer applicable.

(4) Section 33.9 *Display* has been changed to § 33.42. Other section numbers have been rearranged to conform with more recently revised parts of the Civil Air Regulations.

(5) The identification card requirement contained in present § 33.46 was intended to facilitate the identification of the holder in the event that future security restrictions might so require. However, after 5 years experience with the issuance of identification cards, it is now evident that they have served no useful purpose in the past and it appears unlikely that the carriage of such a card by airmen would have any future beneficial effect upon the exercise of security controls. In view of this experience and in view of the fact that the requirement has created a burden for the applicant as well as the Government, for which no safety or security justification exists, it has been deleted from this revision.

Since the changes effected by this revision are minor in nature and impose no additional burden on any person, notice and public procedure hereon are unnecessary and the revised part may be made effective on less than 30 days' notice.

In consideration of the foregoing, the Civil Aeronautics Board hereby revises Part 33 of the Civil Air Regulations (14 CFR Part 33, as amended) as set forth below, effective on November 1, 1956.

By the Civil Aeronautics Board.

[SEAL] M. C. MULLIGAN,
Secretary.

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AUTHORITY: §§ 33.1 to 33.46 issued under sec. 205, 52 Stat. 984; 49 U. S. C. 425. Interpret or apply secs. 601, 602, 52 Stat. 1007, 1008, as amended; 49 U. S. C. 551, 552.

APPLICABILITY AND DEFINITIONS

§ 33.1 *Applicability of this part.* This part establishes certification and general operating rules for flight radio operators.

§ 33.2 *Definitions.* As used in this part, terms are defined as follows:

Administrator. The Administrator is the Administrator of Civil Aeronautics.

Approved. Approved, when used alone or as modifying terms such as means, method, action, equipment, etc., means approved by the Administrator.

Authorized representative of the Administrator. An authorized representative of the Administrator is any employee of the Civil Aeronautics Administrator or any private person, authorized by the Administrator to perform particular duties of the Administrator under the provisions of this part.

Flight radio operator. A flight radio operator is an individual whose primary assigned duty during flight over any route or route segment is to communicate by radio with other stations.

CERTIFICATION RULES

§ 33.5 *Application for certificate.* An application for a certificate shall be made on a form and in a manner prescribed by the Administrator.

NOTE: Since a flight radio operator, as a prerequisite to obtaining a certificate under the provisions of this part, is required to hold a radiotelegraph operator license of second class, or higher, complying with the international requirements, an applicant for a flight radio operator certificate who is a United States citizen should apply for the FCC license at an appropriate field office of the FCC and accomplish the written examination required for the issuance of such license prior to making application to the Administrator for the issuance of a flight radio operator certificate. Applicants who are not United States citizens should make application at any CAA international field office or United States district office located near international airports used by foreign flag air carriers.

§ 33.6 *Issuance.* (a) A flight radio operator certificate shall be issued by the Administrator to an applicant who meets the requirements of this part.

(b) Pending a review of the applicant's application and supplementary documents and the issuance of a certificate by the Administrator, an authorized representative of the Administrator may, subject to such conditions and limitations as the Administrator may prescribe, issue a temporary flight radio operator certificate to an applicant who meets the requirements of this part.

§ 33.7 *Duration.* (a) A flight radio operator certificate issued to a United States citizen shall remain in effect until surrendered, suspended, revoked, or otherwise terminated by order of the Board. A certificate issued to an applicant other than a United States citizen shall remain in effect for a period no longer than 12 months after the date of issuance, but it may be reissued without

further demonstration of technical competence.

(b) A temporary flight radio operator certificate shall remain in effect for a period no longer than 3 months after the date of issuance.

(c) After revocation, and upon request after suspension, the certificate shall be returned to the Administrator.

(d) Nothing in this section shall be construed to deny or defeat the jurisdiction of the Federal courts, the Administrator, or the Board to impose any authorized sanction, including revocation of the certificate, for a violation of the Act or of the Civil Air Regulations occurring during the effective period of the certificate.

§ 33.8 *Change of address.* Within 30 days after any change in the permanent mailing address of a certificated flight radio operator, he shall notify the Administrator in writing of his new address. The notice shall be mailed to the Administrator of Civil Aeronautics, attention Airman Records Branch, Washington 25, D. C.

GENERAL CERTIFICATE REQUIREMENTS

§ 33.21 *Citizenship.* An applicant for a flight radio operator certificate may be a citizen of any country or a person without nationality.

§33.22 *Age.* An applicant shall be at least 18 years of age.

§ 33.23 *Education.* An applicant shall be able to read, write, and understand the English language and speak the same without any accent or impediment of speech that would interfere with two-way radio conversation.

§ 33.24 *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. The passing grade for all oral and written examinations shall be at least 70 percent. The practical examination shall be accomplished to the satisfaction of the authorized representative of the Administrator.

§ 33.25 *Re-examination after failure.* An applicant who has failed any prescribed written or practical examination or test may not apply for re-examination within a 30-day period unless he presents a signed statement by a person authorized by the Administrator to give instruction in the subject or subjects in which re-examination is desired that the applicant has received an additional 5 hours of instruction in the subject or subjects failed and is considered competent to pass the examination or test.

NOTE: The regulations of the FCC regarding the issuance of radiotelegraph operator licenses provide that an applicant for such a license who has failed the prescribed written examination for the issuance of such license is ineligible for 2 months to retake such examination.

§ 33.26 *Substantiation of experience.* An applicant shall present to the Administrator satisfactory documentary evidence to substantiate the experience qualifications for a flight radio operator certificate.

§ 33.27 *Physical standards.* An applicant shall present evidence that he has, within the 12 months immediately preceding the date of application, met the physical standards of the third class prescribed in Part 29 of this chapter: *Provided*, That an applicant who is unable to distinguish aviation signal red, aviation signal green, and white shall be issued an airman certificate appropriately endorsed to prohibit the holder thereof from exercising the privileges of such certificate except under such conditions, or with the use of such equipment, as would not require the ability to distinguish such aviation signal colors.

QUALIFICATIONS FOR A CERTIFICATE

§ 33.31 *Experience.* An applicant shall hold a radiotelegraph operator license of second class, or higher, complying with the requirements specified in the general radio regulations annexed to the International Telecommunications Convention; and

(a) Shall have had at least 12 months of satisfactory experience as a radio operator in aircraft, maritime, or ground stations, commercial or military, including at least 4 months of experience as a radiotelegraph operator; and shall have had at least 50 hours of experience in the operation of aircraft radio during flight; or

(b) Within 90 days immediately preceding application shall have completed successfully a course of instruction which the Administrator approves as adequate for the training of a flight radio operator.

NOTE: To operate a radio station on an aircraft of United States registry with a radio station licensed by the FCC, an individual must hold, in addition to his airman certificate, the appropriate radio operator license issued by the FCC.

§ 33.32 *Knowledge.* (a) An applicant shall satisfactorily accomplish a written examination on the following subjects:

(1) The provisions of the Civil Air Regulations applicable to the duties of a flight radio operator;

(2) Aircraft radio equipment, domestic and foreign;

(3) Radio navigation of aircraft; and

(4) Aircraft radio operating procedures, domestic and foreign.

NOTE: The subjects included under the knowledge requirements are those subjects on which an applicant will be required to accomplish satisfactorily a written examination. These subjects are over and above the minimum requirements for the issuance of a radiotelegraph operator license of second class as set forth by the International Telecommunications Convention. The FCC issues a license to radiotelegraph operators of second class or higher for specified service in aircraft which includes examinations adequately covering the above-mentioned subjects. Therefore, an applicant who submits satisfactory documentary evidence to the Administrator that he has successfully accomplished the FCC written examination for a radiotelegraph operator license for aircraft operation will not be required to take the written examination prescribed herein.

§ 33.33 *Skill.* An applicant shall:

(a) Satisfactorily accomplish a practical examination on the inspection, adjustment, and routine repair of aircraft radio communications (telegraphy and telephony) and radio navigational equipment;

(b) Satisfactorily accomplish a practical flight examination on the operation of aircraft radio communications (telegraphy and telephony) and radio navigation; and

(c) Demonstrate his ability to send and receive international Morse code at a speed of 20 words per minute code groups, and 25 words per minute plain language.

NOTE: This speed requirement in sending and receiving international Morse code is higher than the minimum International Telecommunications Convention requirements for a radiotelegraph operator license of second class. An applicant who holds a second class radiotelegraph operator license will be required to demonstrate his ability to meet this speed requirement or furnish satisfactory evidence that he does meet this requirement.

Satisfactory evidence that an applicant meets the speed requirement shall be the possession of a radiotelegraph operator license, first class, issued under the minimum standards as prescribed by the International Telecommunications Convention.

Since the FCC requires an applicant for a radiotelegraph operator license of second class for aircraft operation to meet this speed requirement, such license will be acceptable to the Administrator in lieu of a practical demonstration of his code ability.

OPERATING RULES

§ 33.41 *Certificate required.* No individual shall serve as a flight radio operator in air commerce on an aircraft of United States registry without, or in violation of the terms of, a certificate issued in accordance with the provisions of this part. He shall have his certificate in his personal possession when performing his duties.

§ 33.42 *Display.* A flight radio operator shall, upon request, present his airman and medical certificates for examination by any authorized representative of the Civil Aeronautics Board or the Administrator, or any State or local law enforcement officer.

§ 33.43 *Medical certificate.* No individual shall exercise the privileges accorded by a flight radio operator certificate unless he has in his personal possession while so serving a medical certificate or other evidence satisfactory to the Administrator showing that he has met the physical requirements appropriate thereto within the preceding 12 months.

§ 33.44 *Operation during physical deficiency.* No individual shall exercise the privileges accorded by a flight radio operator certificate during any period of known physical deficiency or increase in physical deficiency which would render him unable to meet the physical requirements prescribed for the issuance of his currently effective medical certificate.

§ 33.45 *Grace period for periodic tests and other qualification procedures.* Whenever this part requires an examination, test, or other qualifying proce-

dure at stated intervals, a grace period of 15 days shall be allowed: *Provided*, That the effective date of the examination, test, or other qualifying procedure, if met within the grace period, shall be the same as it would have been if met on the day immediately preceding the beginning of such grace period.

§ 33.46 *Recent experience.* No individual shall perform, or be assigned to perform, the duties of a flight radio operator:

(a) Unless within the preceding 12 months he has had at least 50 hours of satisfactory experience as a flight radio operator, or

(b) Until an authorized representative of the Administrator has checked the individual and has determined that he is familiar with all current radio information pertaining to the routes to be flown and competent with respect to the operating procedures and radio equipment to be used.

[F. R. Doc. 56-9378; Filed, Nov. 14, 1956; 8:52 a. m.]

NOTICE

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U. S. GOVERNMENT PRINTING OFFICE: 1956 O—409726