CIVIL AIR REGULATIONS

CIVIL AERONAUTICS BOARD

# PART 34
# FLIGHT NAVIGATOR CERTIFICATES

Effective September 1, 1956

WASHINGTON, D. C.

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## TITLE 14—CIVIL AVIATION

### Chapter I—Civil Aeronautics Board

#### Subchapter A—Civil Air Regulations

PART 34—FLIGHT NAVIGATOR CERTIFICATES

REVISION OF PART

This revision of Part 34 is issued for the purpose of bringing the format and language of the part into conformity with more recently revised airman parts and incorporating into one document the recent amendments made to Part 34.

Attention is called to the fact that this revision adds definitions of the terms "Administrator," "Approved," and "Authorized representative of the Administrator." These definitions are identical with those contained in the other airman parts. Two provisions contained in the other airman parts are also added to clarify the procedure for taking examinations and tests and substantiating experience qualifications.

The identification card requirement contained in present Part 34 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 made herein 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 34 of the Civil Air Regulations (14 CFR Part 34, as amended) as set forth below, effective on September 1, 1956.

By the Civil Aeronautics Board.

[SEAL] JOHN B. RUSSELL,
*Acting Secretary.*

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AUTHORITY: §§ 34.1 to 34.44 issued under sec. 205, 52 Stat. 984; 49 U. S. C. 425. Interpret or apply secs. 601, 602, 52 Stat. 1007, 1008; 49 U. S. C. 551, 552.

APPLICABILITY AND DEFINITIONS

§ 34.1 *Applicability of this part.* This part establishes certification and general operating rules for flight navigators.

§ 34.2 *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.

CERTIFICATION RULES

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

§ 34.6 *Issuance.* (a) A flight navigator 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 navigator certificate to an applicant who meets the requirements of this part.

§ 34.7 *Duration.* (a) A flight navigator 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 navigator 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.

§ 34.8 *Change of address.* Within 30 days after any change in the permanent mailing address of a certificated flight navigator, 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

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

§ 34.22 *Age.* An applicant shall be at least 21 years of age.

§ 34.23 *Education.* An applicant shall be able to read, write, speak, and understand the English language.

§ 34.24 *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 such examinations and tests shall be at least 70 percent.

§ 34.25 *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 statement signed by a certificated flight navigator, a certificated ground instructor, 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 re-examination.

§ 34.26 *Substantiation of experience.* An applicant shall present documentary evidence, satisfactory to the Administrator, to substantiate the experience qualifications for a flight navigator certificate.

§ 34.27 *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 second 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

§ 34.31 *Experience.* (a) An applicant shall:

(1) Have at least 200 hours of satisfactory flight navigation including celestial and radio navigation and dead reckoning: *Provided*, That a pilot who has logged 500 hours of cross-country flight, of which 100 hours shall have been at night, may be credited with not more than 100 hours toward this experience; and

(2) Have satisfactorily determined his position in flight not less than 25 times by night by celestial observations and not less than 25 times by day by celestial observations in conjunction with other aids; or

(b) An applicant shall be a graduate of a flight navigator course approved by the Administrator.

§ 34.32 *Knowledge.* An applicant shall pass a written examination on the following subjects:

(a) Those provisions of the regulations in this subchapter pertinent to the duties of a navigator in the navigation of aircraft;

(b) The fundamentals of flight navigation, including flight planning and cruise control;

(c) Practical meteorology, including the analysis of weather maps, weather reports, and weather forecasts; weather sequence abbreviations, symbols, and nomenclature;

(d) Types of air navigation facilities and procedures in general use;

(e) The calibration and use of instruments used in air navigation;

(f) Navigation by dead reckoning;

(g) Navigation by celestial means;

(h) Navigation by means of radio aids;

(i) Pilotage and map reading; and

(j) Interpretation of navigational aid identification signals.

§ 34.33 *Skill.* (a) An applicant shall pass a practical examination in the operation of flight navigational equipment.

(b) An applicant shall accomplish practical tests in aircraft navigation by:

(1) Dead reckoning;

(2) Celestial means; and

(3) Radio aids to navigation.

OPERATING RULES

§ 34.41 *Certificate required.* No individual shall serve as a flight navigator 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.

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

§ 34.43 *Medical certificate.* No individual shall exercise the privileges accorded by a flight navigator 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.

§ 34.44 *Operation during physical deficiency.* No individual shall exercise the privileges accorded by a flight navigator 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.

[F. R. Doc. 56-7158; Filed, Sept. 5, 1956; 8:54 a. m.]

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