CIVIL AIR REGULATIONS

# PART 34

# FLIGHT NAVIGATOR CERTIFICATES

As amended to November 1, 1949

CIVIL AERONAUTICS BOARD

WASHINGTON, D. C.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. — Price 5 cents

REQUIREMENTS FOR CERTIFICATE

Sec.
34.1 Issuance.
34.2 Age.
34.3 Citizenship.
34.4 Education.
34.5 Physical standards.
34.6 Experience.
34.7 Knowledge.
34.8 Skill.

CERTIFICATION RULES

34.10 Application.
34.11 Duration.
34.12 Temporary certificates.
34.13 Reexamination.
34.14 Certificate.
34.15 Medical certificat and renewal.
34.16 Certificate display.
34.17 Operation during physical deficiency.
34.18 Change of address.

AUTHORITY: §§ 34.1 to 34.17, issued under sec. 205 (a), 52 Stat. 984; 49 U. S. C. 425 (a). Interpret or apply secs. 601, 602, 52 Stat. 1007, 1008; 49 U. S. C. 551, 552.

SOURCE: §§ 34.1 to 34.17, contained in Amendment 34–0, Civil Air Regulations, 12 F. R. 3029.

NOTE: The following explanatory statement was issued as a part of Amendment 34–0:

In accordance with the provisions of Title VI of the Civil Aeronautics Act of 1938 (52 Stat. 1007; 49 U. S. C. 551–560) it is unlawful for any person to serve in any capacity as an airman in connection with any civil aircraft used in air commerce without an airman certificate authorizing him to serve in such capacity, or in violation of the terms of any such certificate. A flight navigator falls within the definition of airman as defined in that act.

The purpose of this part is to provide a means for compliance with the airman requirements of Title VI of the act with respect to the use in air commerce of those types of aircraft which require the services of flight navigators by providing the standards by which flight navigators may be certificated as airmen.

REQUIREMENTS FOR CERTIFICATE

§ 34.1 *Issuance.* A flight navigator certificate will be issued to an applicant who meets the following requirements.

§ 34.2 *Age.* Applicant shall be at least 21 years of age.

§ 34.3 *Citizenship.* Applicant shall be a citizen of the United States or of a foreign government which grants reciprocal flight navigator privileges to citizens of the United States on equal terms and conditions with citizens of such foreign government.

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

§ 34.5 *Physical standards.* Applicant shall meet the physical standards of the second class prescribed in Part 29 of this subchapter.

§ 34.6 *Experience.* (a) 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) Applicant shall be a graduate of a flight navigator course approved by the Administrator.

§ 34.7 *Knowledge.* 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;

(j) Interpretation of navigational aid identification signals.

§ 34.8 *Skill.* (a) Applicant shall pass a practical examination in the operation of flight navigational equipment.

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

(1) Dead reckoning;

(2) Celestial means; and

(3) Radio aids to navigation.

CERTIFICATION RULES

§ 34.10 *Application.* Application shall be made on a form and in the manner prescribed by the Administrator.

§ 34.11 *Duration.* A flight navigator certificate shall remain in effect unless it is suspended, or revoked, or a general termination date for such certificate is fixed by the Board.

§ 34.12 *Temporary certificates.* The Administrator or his authorized representative may issue a temporary flight navigator certificate for a period of not to exceed 90 days, subject to the terms and conditions specified therein by the Administrator.

§ 34.13 *Reexamination.* Applicants who have failed in any examination may apply for reexamination on the part failed after 30 days from the date of such failure.

§ 34.14 *Certificate.* No individual shall serve in the flight crew as a flight navigator unless he has in his personal possession while so serving a valid flight navigator certificate issued by the Administrator.

[Amdt. 34–1, 13 F. R. 4759]

§ 34.15 *Medical certificate and renewal.* No individual shall exercise the privileges of 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 to his certificate within the preceding 12 calendar months.

[Amdt. 34–1, 13 F. R. 4759]

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

[Amdt. 34–1, 13 F. R. 4759]

§ 34.17 *Operation during physical deficiency.* No flight navigator shall exercise the privileges of his airman 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.

[Amdt. 34–1, 13 F. R. 4759]

§ 34.18 *Change of address.* Within 30 days after any change in the permanent mailing address of a holder of a flight navigator certificate, the holder shall notify the Administrator in writing of such change. Such notice shall be mailed to the Administrator of Civil Aeronautics, attention Airman Records Branch, Washington 25, D. C.

[Amdt. 34–2 14 F. R. 5424]

CAA Library

NOTICE

Advise the Civil Aeronautics Board, Washington 25, D. C., that you have purchased this Part of the Civil Air Regulations and that agency will supply you with copies of amendments which have been issued since this printing. Be sure to specify the number of this Part, otherwise your request cannot be filled.

If you wish to be informed of all future amendments to this and to other Parts of the regulations, subscribe to the monthly Civil Aeronautics Journal. All new regulations, amendments, and special regulations are carried in the Journal. Annual subscriptions are 75 cents, payable in advance by cash or money order, and are obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

U. S. GOVERNMENT PRINTING OFFICE: 1949 O - 864110