CIVIL AIR REGULATIONS

PART 27—AIRCRAFT DISPATCHER CERTIFICATES

As amended to July 1, 1946

CIVIL AERONAUTICS BOARD

WASHINGTON, D. C.

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Sec

27.1 **Aircraft dispatcher certificate requirements.**
27.10 Age.
27.11 Character.
27.12 Citizenship.
27.13 Education.
27.14 Aeronautical knowledge.
27.15 Aeronautical experience.
27.16 Aeronautical skill.
27.2 **Aircraft dispatcher certificate.**
27.20 Application.
27.21 Display.
27.22 Duration.
27.23 Recent experience requirements.
27.24 Expired certificates: special issuance.
27.25 Nontransferability.
27.26 Surrender.
27.27 Reexamination.
27.28 Revocation.
27.29 Unassigned.
27.3 **Examinations and tests.**
27.30 General.
27.31 Time and place.
27.32 Inspection.
27.33 Standard of performance.

27.1 Aircraft dispatcher certificate requirements. To be eligible for an aircraft dispatcher certificate, an applicant shall comply with the following requirements:

27.10 Age. Applicant shall be at least 23 years of age.

27.11 Character. Applicant shall be of good moral character.

27.12 Citizenship. Applicant shall be

(a) a citizen of and of unquestionable loyalty to the United States, or

(b) a person who is in sympathy with the objectives of the United States and who is a trustworthy citizen of a friendly foreign government not under the domination of or associated with any government with which the United States is at war and which government grants reciprocal commercial airman privileges to citizens of the United States on equal terms and conditions with citizens of such foreign government.

27.13 Education. 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.

27.14 Aeronautical knowledge. Applicant shall be familiar with and shall accomplish a satisfactory written examination on

(a) the provisions of Parts 40 and 61 and those parts of Part 60 which apply to dispatching. In each case the applicant shall understand the relation of each provision to air carrier operation;

(b) the characteristics of at least one make and model of air carrier aircraft, with particular reference to performance, gross load, pay loads under conditions of various fuel loads, fuel capacity, fuel consumption at specified power outputs at various altitudes, most economical speed at which level flight can be maintained, and loading charts;

(c) the general system of collection and dissemination of weather information;

(d) weather map, forecast and sequence abbreviations, symbols, and nomenclature. The general principles of modern methods of weather analysis including the application of data obtained from airplane weather observations and meteorological data reported from observations made by pilots engaged in air carrier flights;

(e) cloud forms, including average heights of their bases and approximate upper and lower limits within which their bases and tops respectively occur;

(f) weather conditions adversely affecting aeronautical activities, the circumstances under which they occur, how such are ascertained and located, and principles of forecasting such conditions;

(g) the influence of terrain upon meteorological conditions and developments, and the relation thereof to air carrier flight operations;

(h) elementary principles of radio range operation and radio communication, including weather conditions adversely affecting them and the communication procedures and practices used between airplanes and ground stations;

(i) Department of Agriculture Weather Bureau Circular "N", Instructions for Airway Meteorological Service, and all amendments thereto;

(j) air navigation facilities in use on the civil airways, including rotating beacons, course lights, radio ranges, radio marker beacons, and intermediate fields;

(k) principles of aircraft navigation, with particular respect to instrument operation and use of radio range and direction-finding equipment, including let-down procedures;

(l) use and limitations of sensitive type altimeters, particularly with respect to barometric settings;

(m) airway and airport traffic-control procedures.

27.15 Aeronautical experience.

(a) Applicant shall have served in scheduled air carrier or scheduled military operations for 2 of the immediately preceding 3 years as:

(*1*) a pilot member of the crew; or

(*2*) a flight radio operator or ground radio operator; or

(*3*) a flight navigator; or

(*4*) a meteorologist in a dispatch organization dispatching aircraft; or

(*5*) a technical supervisor of aircraft dispatchers; or

(*6*) an assistant in dispatching of scheduled military aircraft; or

(b) Applicant shall have served for 2 of the immediately preceding 3 years as an air traffic controller; or

(c) Any combination of experience in (a), or in (a) and (b), provided each is at least one year; or

(d) Applicant shall have served as an assistant in the dispatching of scheduled air carrier aircraft under the supervision of a certificated aircraft dispatcher for at least one year within the immediately preceding 2 years; or

(e) Applicant shall be a graduate of an aircraft dispatcher course approved by the Administrator; and

(f) Applicants qualifying under (a), (b), (c), (d), or (e) above shall have served in connection with the dispatching of air carrier aircraft under the supervision of a certificated dispatcher for at least 90 days within the 6 calendar months immediately preceding application.

27.16 Aeronautical skill. Applicant shall be able to

(a) make a reasonably accurate and intelligent analysis of a series of daily Weather Bureau maps, in accordance with modern methods, and forecast therefrom the subsequent weather conditions pertinent to air carrier flying operations;

(b) make an accurate and detailed analysis, in accordance with modern methods, of weather conditions prevailing in the general neighborhood of a specified civil airway from a series of daily Weather Bureau maps and sequence reports, and forecast with a high degree of accuracy subsequent weather trends pertinent to air carrier flying operations, with particular reference to specified terminals;

(c) be sufficiently familiar with the Morse Code to be able to identify radio ranges by their identification signals;

(d) prepare and use charts to determine the most economical fuel consumption settings of an aircraft at given altitudes; and

(e) dispatch and assist a hypothetical flight under adverse weather conditions.

27.2 Aircraft dispatcher certificate.

27.20 Application. Application for an aircraft dispatcher certificate shall be made upon the applicable form prescribed and furnished by the Administrator.

27.21 Display. An aircraft dispatcher certificate shall be kept readily available to the holder thereof at all times when he is on duty in connection with the dispatching of air carrier aircraft, and shall be presented upon the request of any authorized representative of the Administrator or Board or of any State or municipal official charged with the duty of enforcing local laws or regulations involving Federal compliance.

27.22 Duration. An aircraft dispatcher certificate shall be of 60 days' duration, and unless the holder is otherwise notified by the Administrator within such period, it shall continue in effect thereafter until otherwise specified by the Board, unless suspended or revoked.

27.23 Recent experience requirements. The holder of an aircraft dispatcher certificate shall not exercise the privileges thereunder unless, within the preceding twelve calendar months he has either:

(a) for at least 3 months,

(*1*) served as an aircraft dispatcher, or

(*2*) served as first or second pilot in scheduled air carrier operation, or

(*3*) been engaged in, (i) the technical supervision of aircraft dispatchers or air carrier dispatching systems, or (ii) the determination of competency or qualifications of aircraft dispatchers, or

(*4*) served in any combination of the duties described in subsections (*1*), (*2*), or (*3*); or

(b) demonstrated to the satisfaction of the Administrator that he is able to meet the standards currently prescribed by the Civil Air Regulations for the issuance of the certificate and rating.

27.230 Reports. The holder of an aircraft dispatcher certificate shall transmit to the Administrator, annually, during the month of January, a report for the preceding 12-month period, setting forth the amount and type of his aeronautical experience and such other pertinent data as the Administrator may require.

27.24 Expired certificates: special issuance. The holder of an aircraft dispatcher certificate which has expired during the preceding 12 months may obtain a new certificate and the same rating theretofore held immediately prior to its expiration, upon application, by demonstrating to the satisfaction of the Administrator that he is able to meet the standards currently prescribed by the Civil Air Regulations for the issuance of the certificate and rating.

27.25 Nontransferability. An aircraft dispatcher certificate is not transferable.

27.26 Surrender. Upon the suspension, revocation, or expiration of an aircraft dispatcher certificate, the holder thereof shall, upon request, surrender such certificate to any officer or employee of the Administrator.

27.27 Reexamination. An applicant for an aircraft dispatcher certificate who has failed to successfully accomplish the prescribed theoretical or practical tests may apply for reexamination at any time after the expiration of 30 days from the date of such failure.

27.28 Revocation. No person whose aircraft dispatcher certificate has been revoked shall apply for or be issued an aircraft dispatcher certificate for a period of one year after the revocation, except as the order of revocation may otherwise provide.

27.29. (Unassigned).

27.3 Examinations and tests.

27.30 General. The examinations and tests prescribed in this Part shall be conducted by an authorized representative of the Administrator.

27.31 Time and place. All examinations and tests will be held at such times and places as the Administrator may designate.

27.32 Inspection. The applicant for an aircraft dispatcher certificate shall offer full cooperation with respect to any inspection or examination which may be made of such applicant upon proper request by any authorized representative of the Administrator prior or subsequent to the issuance of an aircraft dispatcher certificate.

27.33 Standard of performance. All practical or theoretical examinations and tests shall be accomplished to the satisfaction of the Administrator and the passing grade in each subject shall be at least 70 percent.

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