U. S. DEPARTMENT OF COMMERCE
DANIEL C. ROPER, Secretary
BUREAU OF AIR COMMERCE
FRED D. FAGG, Jr., Director

CIVIL AIR REGULATIONS

50.—FLYING SCHOOL RATING

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CIVIL AIR REGULATIONS

50.—FLYING SCHOOL RATING

50.0—PROVISION FOR RATING.—Pursuant to the provisions of the Air Commerce Act requiring the Secretary of Commerce to provide by regulation for the rating of civilian schools giving instruction in flying, as to the adequacy of the course of instruction, as to the suitability and airworthiness of the equipment, and as to the competency of the instructors flying school ratings will be as follows:

(*a*) Advanced Flying School Rating.

(*b*) Primary Flying School Rating.

50.1—MINIMUM REQUIREMENTS.—To be eligible for a flying school competency rating, an applicant shall comply with the following minimum requirements prescribed for the particular rating sought.

50.10—Advanced Flying School Rating.—To be eligible for an advanced flying school rating, an applicant shall comply with the following minimum requirements.

50.100—FLYING INSTRUCTORS.—Applicant shall show that each person employed to give, or giving, flight instruction for the school is possessed of both a valid and appropriate pilot certificate and a valid instructor rating.

50.101—AIRCRAFT FOR FLIGHT INSTRUCTION.—Applicant shall show—

50.1010—(*a*) that each aircraft to be used for purposes of flight instruction is possessed of a valid aircraft certificate.

50.1011—(*b*) that at least one certificated aircraft is available for purposes of flying instruction for each 15 students enrolled in flying courses.

50.1012—(*c*) one or more types of aircraft, normally used for primary dual instruction and deemed satisfactory to the Secretary for such purpose, available for purposes of flying instruction, and 2 or more other types, one of which shall be a cabin aircraft of at least 4-place capacity. All aircraft used for night flying instruction shall be appropriately certificated as provided in CAR 04.

50.102—HANGAR AND SHOP FACILITIES.—Applicant shall show hangar space sufficient to adequately house all aircraft used for purposes of flying instruction and shall show shop facilities, equipment and personnel sufficient to maintain such aircraft in an airworthy condition.

50.103—LANDING AREA.—Applicant shall show a landing area available for flying instruction which at least complies with the following:

50.1030—(*a*) *Size and Design.*—The landing area shall have (1) at least 1,800 feet of effective landing length in all directions, or (2) at least 3 landing strips not less than 500 feet, permitting landing in at least 6 directions at all times, with at least one landing strip aligned with the general direction of the prevailing wind, the landing strips not to cross or converge at angles of less than 40 degrees, nor any of the landing strips to be less than 1,800 feet in effective landing length, or

(3) at least 2 landing strips not less than 500 feet wide, permitting landing in at least 4 directions at all times, with at least one landing strip aligned with the general direction of the prevailing wind, the landing strips not to cross or converge at an angle of less than 80 degrees, nor any of the landing strips to be less than 2,500 feet in effective landing length. The foregoing are sea level dimensions.

50.1031—(*b*) *Surface.*—The landing area shall be suitable for the taking off and landing of aircraft under all ordinary weather conditions, which area shall present a firm, smooth, well-drained surface which is free from obstructions.

50.104—Flying Instruction Curriculum.—Applicant shall show a flying instruction curriculum so organized as to offer the following courses of flight instruction:

50.1040—(*a*) *Solo Pilot Flight Course.*—So arranged as to give each student a minimum of 15 hours total flying time, of which not less than 8 hours shall be dual or check time and not less than 7 hours of solo time in which the student is the sole occupant of the aircraft.

50.1041—(*b*) *Private Pilot Flight Course.*—So arranged as to give each student a minimum of 35 hours total flying time, of which not less than 10 hours, nor more than 15 hours, shall be dual or check time, which may be credited as solo time for the purpose of qualifying for a pilot rating. The course shall also be so arranged as to give each student a minimum of 2 hours solo experience in flying at least one type of aircraft other than that used for primary dual instruction and at least 5 hours of solo cross-country flying, which shall include at least one flight over a course of not less than 50 miles with at least 2 full stop landings at different points on the course.

50.1042—(*c*) *Limited-Commercial Pilot Course.*—Same as in CAR 50.1041, except that the total flying time shall be a minimum of 60 hours of which not less than 15 hours, nor more than 20 hours, shall be dual or check time.

50.1043—(*d*) *Commercial Pilot Flight Course.*—So arranged as to give each student—

50.10430—(1) a minimum of 175 hours total flying time, of which not less than 25 hours, nor more than 40 hours, shall be dual or check time, which may be credited as solo time for the purpose of qualifying for a pilot rating.

50.10431—(2) a minimum of 10 hours solo experience in flying each of two distinct types of aircraft other than the aircraft used for primary dual instruction.

50.10432—(3) at least 10 hours of solo flying in at least one type of cabin aircraft, of at least 4-place capacity, which shall be loaded with ballast to the approved gross weight for such aircraft during such flights.

50.10433—(4) At least 10 hours of solo night flying.

50.10434—(5) At least 10 hours of solo cross-country flying, which shall include at least one flight over a course of not less than 100 miles with at least 3 full stop landings at the different points on the course.

50.105—Ground Instructors.—Applicant shall show that each person giving, or employed to give ground instruction for the school is possessed of a valid and appropriate ground instructor certificate.

50.106—Aircraft for Ground Instruction.—Applicant shall show the following aircraft and aircraft engine demonstration equipment specifically set aside for ground school instruction:

50.1060—(*a*) One modern type aircraft complete, with engine.

50.1061—(*b*) 2 additional types of aircraft wings, showing different types of construction and methods of attachment to the fuselage.

50.1062—(*c*) 3 aircraft engines of different make in current use, 2 of which shall be air-cooled types, and one water-cooled.

Note.—The foregoing equipment is not required to be in airworthy condition, and may have been damaged, *provided* it has been repaired sufficiently for complete assembly.

50.107—CLASS ROOM FACILITIES.—Applicant shall show at least one class room for each 100 persons enrolled, which room shall be capable of seating at least 20 students. All places where instruction is given shall be furnished with suitable and adequate facilities.

50.108—GROUND INSTRUCTION CURRICULUM.—Applicant shall show a ground instruction curriculum so organized as to offer the following courses of ground instruction:

50.1080—(*a*) *Solo Pilot Ground School Course.*—So arranged as to give each student at least the following instruction:

50.10800—(1) Civil Air Regulations—5 hours.

50.1081—(*b*) *Private Pilot Ground School Course.*—Same as in CAR 50.1080, and in addition at least 20 hours in aerial navigation and meteorology as outlined in CAR 20.125, and 5 hours in general service of aircraft.

50.1082—(*c*) *Limited-Commercial Pilot Ground School Course.*—So arranged as to give each student at least the following instruction:

50.10820—(1) Civil Air Regulations—5 hours.

50.10821—(2) Aircraft Engines (including principles of internal-combustion, carburetion, cooling, lubrication, and construction, inspection, maintenance and repair of various types)—15 hours.

50.10822—(3) Aircraft (including history of aviation, theory of flight, nomenclature, aerodynamics, and design, construction, rigging, inspection, maintenance, and repair of various types)—15 hours.

50.10823—(4) Aerial Navigation and Meteorology—20 hours.

50.10824—(5) Shop Practice—5 hours of each of the above required 15 hours on aircraft and on engines may be shop practice on the basis of 3 hours shop practice equivalent to 1 hour of classroom instruction. Shop practice shall be under the direct supervision of a certificated ground instructor. Shop practice as permitted by these regulations is interpreted to mean maintenance and repair instruction. Such instruction, if given, shall be conducted in a specially designated place and on equipment provided for that purpose and shall not be conducted on the actual flying equipment. This, however, shall not be interpreted as prohibiting students from working in the repair shops under the supervision of mechanics holding valid mechanic certificates of competency.

50.10825—(6) Parachutes—1 hour.

50.1083—(*d*) *Commercial Pilot Ground School Course.*—So arranged as to give each student at least the following instruction:

50.10830—(1) Civil Air Regulations—5 hours.

50.10831—(2) Aircraft Engines—Same as in CAR 50.10821—25 hours.

50.10832—(3) Aircraft—Same as in CAR 50.10822—30 hours.

50.10833—(4) Meteorology—15 hours.

50.10834—(5) Aerial Navigation, including the subject of radio and its use—20 hours.

50.10835—(6) Aircraft Instruments—10 hours.

50.10836—(7) Parachutes—1 hour.

50.10837—(8) Shop Practice—10 hours of the above required 25 hours on engines and 10 hours of the above required 30 hours on aircraft may be shop practice, on the basis of 3 hours shop practice equivalent to 1 hour of classroom instruction. Shop practice shall be under the direct supervision of a certificated ground instructor.

50.11—Primary Flying School Rating.—To be eligible for a primary flying school rating, an applicant shall comply with the following minimum requirements:

50.110—FLYING INSTRUCTORS.—Same as in CAR 50.100.

50.111—AIRCRAFT FOR FLIGHT INSTRUCTION.—Applicant shall show—

50.1110—(*a*) that each aircraft to be used for purposes of flying instruction is possessed of a valid aircraft certificate.

50.1111—(*b*) that at least one certificated aircraft is available for purposes of flying instruction for each 15 students enrolled in flying courses.

50.1112—(*c*) one or more types of aircraft, normally used for primary dual instruction and deemed satisfactory to the Secretary for such purpose, available for purposes of flying instruction.

50.112—HANGARS AND SHOP FACILITIES.—Same as in CAR 50.102.

50.113—LANDING AREA.—Same as in CAR 50.103.

50.114—FLYING INSTRUCTION CURRICULUM.—Same as in CAR 50.104, except that 50.1043 is not required.

50.115—GROUND INSTRUCTORS.—Same as in CAR 50.105.

50.116—AIRCRAFT FOR GROUND INSTRUCTION.—Applicant shall show at least one modern type aircraft complete with aircraft engine. The foregoing equipment need not be in airworthy condition.

50.117—CLASS ROOM FACILITIES.—Same as in CAR 50.107.

50.118—GROUND INSTRUCTION CURRICULUM.—Same as in CAR 50.108, except that CAR 50.1082 and CAR 50.1083 are not required.

50.2—FLYING SCHOOL CERTIFICATE.

50.20—Provision for Issuance.—A flying school certificate of competency will be issued by the Secretary, upon approval of application made and satisfactory proofs submitted, to a flying school which, upon inspection and examination, is found by the Secretary to meet the appropriate minimum requirements prescribed in CAR 50.1 and is, therefore, rated as competent to give instruction in flying.

50.200—Civilian schools giving instruction in flying and holding valid approved school certificates may operate pursuant to such authority until the expiration thereof or for 6 months after these regulations go into effect, whichever is the shorter period. Thereafter flying school certificates will be issued, upon application, pursuant to these regulations.

50.21—Application.—Application for a flying school certificate shall be made to the Secretary, subscribed under oath, upon a form supplied for the purpose, and shall be accompanied by two copies of the flying and ground instruction curricula.

50.210—APPLICATION TO AMEND.—When any change in a flying school competency rating is desired, the applicant shall file a written request therefor with the Secretary upon a form supplied for the purpose.

50.211—PROCEEDING TO AMEND.—A proceeding to amend a flying school competency rating may be instituted by the Secretary when, in his opinion, the flying school is no longer competent in respect of some matter specified in the certificate. Notice of such proceeding shall be addressed to the flying school with opportunity for a hearing. In the interim, the certificate may be suspended in whole or in part. Following the hearing, the Secretary may issue a re-rating as to competency.

50.22—Issuance.—Upon approval of an application duly made and proofs submitted, including inspection and examination, an appropriate flying school certificate of competency will be issued.

50.220—TEMPORARY CERTIFICATE.—Following application made for a flying school certificate, but prior to approval thereof and issuance of the certificate, a temporary flying school certificate may be issued by the examining Bureau inspector.

50.23—Display.—The flying school certificate (or a copy thereof) in its currently effective form shall be conspicuously posted in the principal office of the flying school where it may be readily seen, and any such certificate shall be presented for inspection upon demand of any authorized officer or employee of the Department of Commerce, or upon the reasonable request of any other person.

50.24—Duration.—A flying school certificate, unless sooner suspended or revoked in accordance with the provisions of CAR 50.27, will remain in force for one year after date of issue.

50.25—Renewal.—The term of a flying school certificate may be renewed upon written application within 45 days prior to expiration and upon a satisfactory showing that the school is in active operation and maintained pursuant to the requirements of these regulations.

50.26—Non-Transferability.—A flying school certificate is not transferable.

50.27—Suspension or Revocation.—A flying school certificate may be suspended or revoked, in whole or in part, for any of the following acts or statements on the part of the flying school owner, operator, or employee thereof:

50.270—(*a*) Any false statement by the flying school operator in the application for the certificate, or in any information accompanying such certificate. or in any report required by the Secretary.

50.271—(*b*) Violation of any of the terms, conditions, specifications, limitations, or other provisions of the flying school certificate.

50.272—(*c*) Violation of any provision of the Air Commerce Act or any rule or regulation duly issued thereunder.

50.273—(*d*) Suspension of flying school service.

50.274—(*e*) Any unsafe operation of the flying school.

50.275—(*f*) Any failure to maintain safety standards requisite to the obtaining of such certificate.

50.276—(*g*) Any advertising which directly, or impliedly, states that the flying school is certificated as competent to offer any course of instruction in flying or ground school courses for which it does not, in fact, possess a valid flying school competency rating.

50.28—Surrender.—Upon notice from the Secretary of the suspension or revocation of the flying school certificate, the operator to whom it has been issued shall promptly return such certificate to the Secretary.

50.29—Re-Application.—An operator whose application for a flying school certificate has been disapproved may re-apply at any time after the expiration of 30 days from the date of such disapproval.

50.3—FLYING SCHOOL REGULATIONS.—The following rules and regulations will govern the conduct and operation of flying schools:

50.30—Inspection.—The applicant for any flying school certificate of competency shall offer full cooperation in respect of any inspection and examination which may be made of said applicant upon proper demand by any authorized representative of the Secretary prior or subsequent to the issuance of a flying school certificate of competency.

50.31—Curriculum.

50.310—CHANGES.—Any proposed change in the curriculum of a certificated flying school shall be submitted to the Secretary for approval, and no change shall be made prior to such approval.

50.32—Instruction.

50.320—STANDARD OF INSTRUCTION.—Each certificated flying school shall maintain a standard of ground or flying instruction, or both, to assure that 9 out of every 10 graduates therefrom who apply for a pilot certificate of competency satisfactorily qualify for such pilot certificate.

50.321—SPIN INSTRUCTION.—All certificated flying schools shall give instruction, to each student enrolled for flying instruction, in the recovery from stalls and spins prior to the student's first solo flight.

50.322—REFRESHER COURSES.—A certificated flying school may give refresher courses in ground or flying subjects, or both, for the purpose of qualifying pilots who already have had the necessary total flying time for the kind of pilot certificate for which they intend to apply.

50.323—DUAL INSTRUCTION RESTRICTIONS.—All dual instruction given by a certificated flying school shall be in the vicinity of the airport or other instruction area, except that not to exceed 2 hours dual cross-country will be permitted and credited toward the student's total time as a portion of his dual and check time.

50.324—LIMITATION ON FLYING INSTRUCTION HOURS.—No person shall give, or offer to give, more than 6 hours of dual flying instruction in one day, nor more than 6 days in any one week, to students in a certificated flying school.

50.33—Examinations.—Upon the completion of each course (meaning each subject taught therein) offered in a certificated flying school, each student taking such course shall be given an examination on the subject matter covered, and all grades attained in such examinations shall be made a part of each student's individual record, and a copy thereof maintained by the school.

50.34—Records.—Every certificated flying school shall keep an adequate individual record of each student enrolled therein, which record shall include a chronological log of all instruction. The entire record shall be certified to by an authorized official of such school.

50.35—Reports.—A report and student roster shall be submitted to the Secretary by the owner or operator of each certificated flying school on January first and July first of each calendar year. Such student roster shall list:

(*a*) The names of all students enrolled,

(*b*) The course or courses for which they are enrolled,

(*c*) The names of all students who have been graduated within the period reported on, and

(*d*) The names of all students dropped from enrollment, within the period reported on, with the reasons therefor.

50.36—Graduation Certificate.—Each student who is graduated from a certificated flying school shall be furnished with a graduation certificate by such school, which certificate shall show the flying and/or ground course or courses completed and the grade obtained by such student in each subject of such course, together with a statement of the graduate's totals of both dual and solo flying time.

50.37—Miscellaneous.

50.370—Flying School Regulations to be Posted.—A copy of these flying school regulations (CAR 50) shall be posted conspicuously on the air school bulletin board for the information and guidance of all students enrolled by the school.

50.371—Credit for Dual Time.—When a student applies for a pilot certificate as a graduate of a certificated flying school, such graduate may be privileged to count a portion of his dual or check time toward the solo-flying experience required for a pilot certificate subject to the restrictions set forth in CAR 50.1040, 50.1041, 50.1042 and 50.1043, provided he applies for such certificate within 30 days after the date of graduation.

Any and all rules or regulations made, established, and issued by the Secretary of Commerce pursuant to law as are inconsistent with the provisions of the above specified civil air regulations are hereby repealed

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U. S. DEPARTMENT OF COMMERCE
DANIEL C. ROPER, Secretary
BUREAU OF AIR COMMERCE
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50.—FLYING SCHOOL RATING

50.0—PROVISION FOR RATING.—Pursuant to the provisions of the Air Commerce Act requiring the Secretary of Commerce to provide by regulation for the rating of civilian schools giving instruction in flying, as to the adequacy of the course of instruction, as to the suitability and airworthiness of the equipment, and as to the competency of the instructors flying school ratings will be as follows:

(*a*) Advanced Flying School Rating.

(*b*) Primary Flying School Rating.

50.1—MINIMUM REQUIREMENTS.—To be eligible for a flying school competency rating, an applicant shall comply with the following minimum requirements prescribed for the particular rating sought.

50.10—Advanced Flying School Rating.—To be eligible for an advanced flying school rating, an applicant shall comply with the following minimum requirements.

50.100—FLYING INSTRUCTORS.—Applicant shall show that each person employed to give, or giving, flight instruction for the school is possessed of both a valid and appropriate pilot certificate and a valid instructor rating.

50.101—AIRCRAFT FOR FLIGHT INSTRUCTION.—Applicant shall show—

50.1010—(*a*) that each aircraft to be used for purposes of flight instruction is possessed of a valid aircraft certificate.

50.1011—(*b*) that at least one certificated aircraft is available for purposes of flying instruction for each 15 students enrolled in flying courses.

50.1012—(*c*) one or more types of aircraft, normally used for primary dual instruction and deemed satisfactory to the Secretary for such purpose, available for purposes of flying instruction, and 2 or more other types, one of which shall be a cabin aircraft of at least 4-place capacity. All aircraft used for night flying instruction shall be appropriately certificated as provided in CAR 04.

50.102—HANGAR AND SHOP FACILITIES.—Applicant shall show hangar space sufficient to adequately house all aircraft used for purposes of flying instruction and shall show shop facilities, equipment and personnel sufficient to maintain such aircraft in an airworthy condition.

50.103—LANDING AREA.—Applicant shall show a landing area available for flying instruction which at least complies with the following:

50.1030—(*a*) *Size and Design.*—The landing area shall have (1) at least 1,800 feet of effective landing length in all directions, or (2) at least 3 landing strips not less than 500 feet, permitting landing in at least 6 directions at all times, with at least one landing strip aligned with the general direction of the prevailing wind, the landing strips not to cross or converge at angles of less than 40 degrees, nor any of the landing strips to be less than 1,800 feet in effective landing length, or

(3) at least 2 landing strips not less than 500 feet wide, permitting landing in at least 4 directions at all times, with at least one landing strip aligned with the general direction of the prevailing wind, the landing strips not to cross or converge at an angle of less than 80 degrees, nor any of the landing strips to be less than 2,500 feet in effective landing length. The foregoing are sea level dimensions.

50.1031—(*b*) *Surface.*—The landing area shall be suitable for the taking off and landing of aircraft under all ordinary weather conditions, which area shall present a firm, smooth, well-drained surface which is free from obstructions.

50.104—Flying Instruction Curriculum.—Applicant shall show a flying instruction curriculum so organized as to offer the following courses of flight instruction:

50.1040—(*a*) *Solo Pilot Flight Course.*—So arranged as to give each student a minimum of 15 hours total flying time, of which not less than 8 hours shall be dual or check time and not less than 7 hours of solo time in which the student is the sole occupant of the aircraft.

50.1041—(*b*) *Private Pilot Flight Course.*—So arranged as to give each student a minimum of 35 hours total flying time, of which not less than 10 hours, nor more than 15 hours, shall be dual or check time, which may be credited as solo time for the purpose of qualifying for a pilot rating. The course shall also be so arranged as to give each student a minimum of 2 hours solo experience in flying at least one type of aircraft other than that used for primary dual instruction and at least 5 hours of solo cross-country flying, which shall include at least one flight over a course of not less than 50 miles with at least 2 full stop landings at different points on the course.

50.1042—(*c*) *Limited-Commercial Pilot Course.*—Same as in CAR 50.1041, except that the total flying time shall be a minimum of 60 hours of which not less than 15 hours, nor more than 20 hours, shall be dual or check time.

50.1043—(*d*) *Commercial Pilot Flight Course.*—So arranged as to give each student—

50.10430—(1) a minimum of 175 hours total flying time, of which not less than 25 hours, nor more than 40 hours, shall be dual or check time, which may be credited as solo time for the purpose of qualifying for a pilot rating.

50.10431—(2) a minimum of 10 hours solo experience in flying each of two distinct types of aircraft other than the aircraft used for primary dual instruction.

50.10432—(3) at least 10 hours of solo flying in at least one type of cabin aircraft, of at least 4-place capacity, which shall be loaded with ballast to the approved gross weight for such aircraft during such flights.

50.10433—(4) At least 10 hours of solo night flying.

50.10434—(5) At least 10 hours of solo cross-country flying, which shall include at least one flight over a course of not less than 100 miles with at least 3 full stop landings at the different points on the course.

50.105—Ground Instructors.—Applicant shall show that each person giving, or employed to give ground instruction for the school is possessed of a valid and appropriate ground instructor certificate.

50.106—Aircraft for Ground Instruction.—Applicant shall show the following aircraft and aircraft engine demonstration equipment specifically set aside for ground school instruction:

50.1060—(*a*) One modern type aircraft complete, with engine.

50.1061—(*b*) 2 additional types of aircraft wings, showing different types of construction and methods of attachment to the fuselage.

50.1062—(*c*) 3 aircraft engines of different make in current use, 2 of which shall be air-cooled types, and one water-cooled.

Note.—The foregoing equipment is not required to be in airworthy condition, and may have been damaged, *provided* it has been repaired sufficiently for complete assembly.

50.107—CLASS ROOM FACILITIES.—Applicant shall show at least one class room for each 100 persons enrolled, which room shall be capable of seating at least 20 students. All places where instruction is given shall be furnished with suitable and adequate facilities.

50.108—GROUND INSTRUCTION CURRICULUM.—Applicant shall show a ground instruction curriculum so organized as to offer the following courses of ground instruction:

50.1080—(*a*) *Solo Pilot Ground School Course.*—So arranged as to give each student at least the following instruction:

50.10800—(1) Civil Air Regulations—5 hours.

50.1081—(*b*) *Private Pilot Ground School Course.*—Same as in CAR 50.1080, and in addition at least 20 hours in aerial navigation and meteorology as outlined in CAR 20.125, and 5 hours in general service of aircraft.

50.1082—(*c*) *Limited-Commercial Pilot Ground School Course.*—So arranged as to give each student at least the following instruction:

50.10820—(1) Civil Air Regulations—5 hours.

50.10821—(2) Aircraft Engines (including principles of internal-combustion, carburetion, cooling, lubrication, and construction, inspection, maintenance and repair of various types)—15 hours.

50.10822—(3) Aircraft (including history of aviation, theory of flight, nomenclature, aerodynamics, and design, construction, rigging, inspection, maintenance, and repair of various types)—15 hours.

50.10823—(4) Aerial Navigation and Meteorology—20 hours.

50.10824—(5) Shop Practice—5 hours of each of the above required 15 hours on aircraft and on engines may be shop practice on the basis of 3 hours shop practice equivalent to 1 hour of classroom instruction. Shop practice shall be under the direct supervision of a certificated ground instructor. Shop practice as permitted by these regulations is interpreted to mean maintenance and repair instruction. Such instruction, if given, shall be conducted in a specially designated place and on equipment provided for that purpose and shall not be conducted on the actual flying equipment. This, however, shall not be interpreted as prohibiting students from working in the repair shops under the supervision of mechanics holding valid mechanic certificates of competency.

50.10825—(6) Parachutes—1 hour.

50.1083—(*d*) *Commercial Pilot Ground School Course.*—So arranged as to give each student at least the following instruction:

50.10830—(1) Civil Air Regulations—5 hours.

50.10831—(2) Aircraft Engines—Same as in CAR 50.10821—25 hours.

50.10832—(3) Aircraft—Same as in CAR 50.10822—30 hours.

50.10833—(4) Meteorology—15 hours.

50.10834—(5) Aerial Navigation, including the subject of radio and its use—20 hours.

50.10835—(6) Aircraft Instruments—10 hours.

50.10836—(7) Parachutes—1 hour.

50.10837—(8) Shop Practice—10 hours of the above required 25 hours on engines and 10 hours of the above required 30 hours on aircraft may be shop practice, on the basis of 3 hours shop practice equivalent to 1 hour of classroom instruction. Shop practice shall be under the direct supervision of a certificated ground instructor.

50.11—Primary Flying School Rating.—To be eligible for a primary flying school rating, an applicant shall comply with the following minimum requirements:

50.110—FLYING INSTRUCTORS.—Same as in CAR 50.100.

50.111—AIRCRAFT FOR FLIGHT INSTRUCTION.—Applicant shall show—

50.1110—(*a*) that each aircraft to be used for purposes of flying instruction is possessed of a valid aircraft certificate.

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50.115—GROUND INSTRUCTORS.—Same as in CAR 50.105.

50.116—AIRCRAFT FOR GROUND INSTRUCTION.—Applicant shall show at least one modern type aircraft complete with aircraft engine. The foregoing equipment need not be in airworthy condition.

50.117—CLASS ROOM FACILITIES.—Same as in CAR 50.107.

50.118—GROUND INSTRUCTION CURRICULUM.—Same as in CAR 50.108, except that CAR 50.1082 and CAR 50.1083 are not required.

50.2—FLYING SCHOOL CERTIFICATE.

50.20—Provision for Issuance.—A flying school certificate of competency will be issued by the Secretary, upon approval of application made and satisfactory proofs submitted, to a flying school which, upon inspection and examination, is found by the Secretary to meet the appropriate minimum requirements prescribed in CAR 50.1 and is, therefore, rated as competent to give instruction in flying.

50.200—Civilian schools giving instruction in flying and holding valid approved school certificates may operate pursuant to such authority until the expiration thereof or for 6 months after these regulations go into effect, whichever is the shorter period. Thereafter flying school certificates will be issued, upon application, pursuant to these regulations.

50.21—Application.—Application for a flying school certificate shall be made to the Secretary, subscribed under oath, upon a form supplied for the purpose, and shall be accompanied by two copies of the flying and ground instruction curricula.

50.210—APPLICATION TO AMEND.—When any change in a flying school competency rating is desired, the applicant shall file a written request therefor with the Secretary upon a form supplied for the purpose.

50.211—PROCEEDING TO AMEND.—A proceeding to amend a flying school competency rating may be instituted by the Secretary when, in his opinion, the flying school is no longer competent in respect of some matter specified in the certificate. Notice of such proceeding shall be addressed to the flying school with opportunity for a hearing. In the interim, the certificate may be suspended in whole or in part. Following the hearing, the Secretary may issue a re-rating as to competency.

50.22—Issuance.—Upon approval of an application duly made and proofs submitted, including inspection and examination, an appropriate flying school certificate of competency will be issued.

50.220—TEMPORARY CERTIFICATE.—Following application made for a flying school certificate, but prior to approval thereof and issuance of the certificate, a temporary flying school certificate may be issued by the examining Bureau inspector.

50.23—Display.—The flying school certificate (or a copy thereof) in its currently effective form shall be conspicuously posted in the principal office of the flying school where it may be readily seen, and any such certificate shall be presented for inspection upon demand of any authorized officer or employee of the Department of Commerce, or upon the reasonable request of any other person.

50.24—Duration.—A flying school certificate, unless sooner suspended or revoked in accordance with the provisions of CAR 50.27, will remain in force for one year after date of issue.

50.25—Renewal.—The term of a flying school certificate may be renewed upon written application within 45 days prior to expiration and upon a satisfactory showing that the school is in active operation and maintained pursuant to the requirements of these regulations.

50.26—Non-Transferability.—A flying school certificate is not transferable.

50.27—Suspension or Revocation.—A flying school certificate may be suspended or revoked, in whole or in part, for any of the following acts or statements on the part of the flying school owner, operator, or employee thereof:

50.270—(*a*) Any false statement by the flying school operator in the application for the certificate, or in any information accompanying such certificate. or in any report required by the Secretary.

50.271—(*b*) Violation of any of the terms, conditions, specifications, limitations, or other provisions of the flying school certificate.

50.272—(*c*) Violation of any provision of the Air Commerce Act or any rule or regulation duly issued thereunder.

50.273—(*d*) Suspension of flying school service.

50.274—(*e*) Any unsafe operation of the flying school.

50.275—(*f*) Any failure to maintain safety standards requisite to the obtaining of such certificate.

50.276—(*g*) Any advertising which directly, or impliedly, states that the flying school is certificated as competent to offer any course of instruction in flying or ground school courses for which it does not, in fact, possess a valid flying school competency rating.

50.28—Surrender.—Upon notice from the Secretary of the suspension or revocation of the flying school certificate, the operator to whom it has been issued shall promptly return such certificate to the Secretary.

50.29—Re-Application.—An operator whose application for a flying school certificate has been disapproved may re-apply at any time after the expiration of 30 days from the date of such disapproval.

50.3—FLYING SCHOOL REGULATIONS.—The following rules and regulations will govern the conduct and operation of flying schools:

50.30—Inspection.—The applicant for any flying school certificate of competency shall offer full cooperation in respect of any inspection and examination which may be made of said applicant upon proper demand by any authorized representative of the Secretary prior or subsequent to the issuance of a flying school certificate of competency.

50.31—Curriculum.

50.310—CHANGES.—Any proposed change in the curriculum of a certificated flying school shall be submitted to the Secretary for approval, and no change shall be made prior to such approval.

50.32—Instruction.

50.320—STANDARD OF INSTRUCTION.—Each certificated flying school shall maintain a standard of ground or flying instruction, or both, to assure that 9 out of every 10 graduates therefrom who apply for a pilot certificate of competency satisfactorily qualify for such pilot certificate.

50.321—SPIN INSTRUCTION.—All certificated flying schools shall give instruction, to each student enrolled for flying instruction, in the recovery from stalls and spins prior to the student's first solo flight.

50.322—REFRESHER COURSES.—A certificated flying school may give refresher courses in ground or flying subjects, or both, for the purpose of qualifying pilots who already have had the necessary total flying time for the kind of pilot certificate for which they intend to apply.

50.323—DUAL INSTRUCTION RESTRICTIONS.—All dual instruction given by a certificated flying school shall be in the vicinity of the airport or other instruction area, except that not to exceed 2 hours dual cross-country will be permitted and credited toward the student's total time as a portion of his dual and check time.

50.324—LIMITATION ON FLYING INSTRUCTION HOURS.—No person shall give, or offer to give, more than 6 hours of dual flying instruction in one day, nor more than 6 days in any one week, to students in a certificated flying school.

50.33—Examinations.—Upon the completion of each course (meaning each subject taught therein) offered in a certificated flying school, each student taking such course shall be given an examination on the subject matter covered, and all grades attained in such examinations shall be made a part of each student's individual record, and a copy thereof maintained by the school.

50.34—Records.—Every certificated flying school shall keep an adequate individual record of each student enrolled therein, which record shall include a chronological log of all instruction. The entire record shall be certified to by an authorized official of such school.

50.35—Reports.—A report and student roster shall be submitted to the Secretary by the owner or operator of each certificated flying school on January first and July first of each calendar year. Such student roster shall list:

(*a*) The names of all students enrolled,

(*b*) The course or courses for which they are enrolled,

(*c*) The names of all students who have been graduated within the period reported on, and

(*d*) The names of all students dropped from enrollment, within the period reported on, with the reasons therefor.

50.36—Graduation Certificate.—Each student who is graduated from a certificated flying school shall be furnished with a graduation certificate by such school, which certificate shall show the flying and/or ground course or courses completed and the grade obtained by such student in each subject of such course, together with a statement of the graduate's totals of both dual and solo flying time.

50.37—Miscellaneous.

50.370—Flying School Regulations to be Posted.—A copy of these flying school regulations (CAR 50) shall be posted conspicuously on the air school bulletin board for the information and guidance of all students enrolled by the school.

50.371—Credit for Dual Time.—When a student applies for a pilot certificate as a graduate of a certificated flying school, such graduate may be privileged to count a portion of his dual or check time toward the solo-flying experience required for a pilot certificate subject to the restrictions set forth in CAR 50.1040, 50.1041, 50.1042 and 50.1043, provided he applies for such certificate within 30 days after the date of graduation.

Any and all rules or regulations made, established, and issued by the Secretary of Commerce pursuant to law as are inconsistent with the provisions of the above specified civil air regulations are hereby repealed

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CIVIL AERONAUTICS BOARD

WASHINGTON, D. C.

CIVIL AIR REGULATIONS

PART 50.—FLYING SCHOOL RATING

As amended to November 1, 1940

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GOVERNMENT PRINTING OFFICE
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CIVIL AIR REGULATIONS

PART 50—FLYING SCHOOL RATING

Sec.
50.1 Flying school ratings.
50.2 Primary flying school rating and certificate requirements.
50.3 Advanced flying school rating and certificate requirements.
50.4 Flying school certificate.
50.5 Certificated flying school regulations.

50.1 Flying school ratings are as follows:

(*a*) Primary flying school rating.

(*b*) Advanced flying school rating.

50.2 Primary flying school rating and certificate requirements are as follows:

50.20 Private pilot flight curriculum shall be satisfactory to the Administrator and shall consist of not less than 35 hours of flying time.[1]

50.21 Flying instructors shall possess a flight instructor rating.

50.22 Facilities and equipment shall be as follows:

(*a*) Suitable classrooms, adequate to accommodate the largest number of students scheduled for attendance at any one time. Such classrooms shall be properly heated, lighted, and ventilated.

(*b*) Suitable hangar space, sufficient to house adequately all aircraft used for the purpose of flight instruction.

(*c*) Suitable shop facilities, equipment and personnel sufficient to maintain aircraft used for flight instruction in condition for safe operation.

(*d*) Suitable landing area available for use in giving flight instruction.

(*e*) Suitable aircraft for ground and flight instruction necessary to give each student instruction sufficient to qualify him for a private pilot certificate.

50.23 Private pilot ground instruction curriculum shall be satisfactory to the Administrator and shall include not less than 30 hours' instruction in aerial navigation, meteorology, elementary servicing of aircraft, and the contents of the applicable Civil Air Regulations.

50.24 Ground instructors in any subject required by the Civil Air Regulations shall possess an appropriate ground instructor certificate. Ground schools, conducted by established institutions of higher learning for the primary benefit of members of their student bodies, need not meet this requirement with respect to all or any part of its ground school staff if approval is obtained from the Administrator.

[1] A satisfactory curriculum is outlined in Civil Aeronautics Manual No. 50.

50.3 **Advanced flying school rating and certificate requirements** are those for a primary flying school rating and the following additional requirements:

50.30 **Commercial pilot flight curriculum** shall be satisfactory to the Administrator and shall consist of not less than 175 hours of flying time.[2]

50.31 **Facilities and equipment** shall be the following:

(*a*) Suitable equipment specifically set aside for ground school instruction.

(*b*) Suitable aircraft to give each student flight instruction sufficient to qualify him for a commercial pilot certificate.

50.32 **Commercial pilot ground instruction curriculum** shall be satisfactory to the Administrator and shall include not less than 105 hours' instruction in the internal combustion, carburetion, cooling, and lubrication systems of aircraft engines and the construction, inspection, maintenance, and repair of aircraft engines; history of aviation; theory of flight; nomenclature; aerodynamics; the design, construction, rigging, inspection, maintenance, and repair of aircraft; meteorology; aerial navigation; aircraft instruments; parachutes; general servicing of aircraft; and the contents of the applicable Civil Air Regulations.

50.4 **Flying school certificate.**

50.40 **Application** for a flying-school rating and certificate shall be made upon the form prescribed and furnished by the Administrator, and shall be accompanied by two copies of any proposed curriculum.

50.41 **Display** of a flying-school certificate shall be made upon the reasonable request of any person.

50.42 **Duration.** A flying-school certificate shall be of 60 days' duration and, unless the holder thereof is otherwise notified by the Administrator within such period, shall continue in effect indefinitely thereafter, unless suspended or revoked by the Board.

50.43 **Transfer** of a flying-school certificate is prohibited.

50.44 **Surrender.** Upon the suspension, revocation, or expiration of a flying-school certificate, the holder thereof shall surrender such certificate to any representative of the Administrator requesting it.

50.5 **Certificated flying-school regulations** are as follows:

50.50 **Quality of instruction** shall be such that 90 percent of the students who apply within 30 days after graduation qualify for pilot certificates corresponding to the curriculum from which they were graduated. This percentage shall be computed on January 1 and July 1 of each year.[3]

50.51 **Certificated aircraft.** All aircraft used for flight instruction shall be appropriately certificated.[4]

50.52 **Student examinations.** Upon the completion of each subject included in an approved curriculum, each student taking the subject shall be given an appropriate examination. The student's written examination, or, in the case of a practical examination, a report thereof,

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[2] A satisfactory curriculum is outlined in Civil Aeronautics Manual No. 50.

[3] The benefits provided for in the pertinent provisions of Part 20 for graduates of certificated flying schools only accrue to those graduates who apply for a pilot certificate within 30 days after graduation.

[4] See Parts 01 and 04 of the Civil Air Regulations.

shall be kept by the school for not less than 1 year from the date of the termination of the student's enrollment.

50.53 **Records.** The school shall keep an accurate individual record of each student which shall include a chronological log of all instruction, attendance, subjects covered, examinations, and examination grades. The entire record shall be certified by an authorized official of the school.

50.54 **Reports.** Full and accurate reports shall be submitted to the Administrator on his prescribed form on the 1st day of January and July of each year and at such other times as the Administrator may require.

50.55 **Graduation certificate** on the form prescribed by the Administrator shall be given each student graduated from a certificated flying school.

50.56 **Inspection.** Upon reasonable request, an applicant for a flying-school certificate or the holder of such a certificate shall permit any authorized representative of the Administrator to inspect its personnel, facilities, equipment, and records.

50.57 **Advertising.** No certificated flying school shall make any statement pertaining to the school which is false or is designed to mislead any person contemplating enrollment in the school, and any advertising which indicates that the school is approved by the Administrator shall clearly differentiate between those courses which have been approved by the Administrator and those which have not.

50.58 **Curriculum changes** shall not be made without the approval of the Administrator, except that, if a school has not been notified to the contrary within 45 days after the submission of proposed changes to the Administrator, they will be considered approved.

50.59 **Maintenance of facilities, equipment, and material.** A certificated flying school shall maintain personnel, facilities, and equipment at least equal in quality and quantity to those required for the issuance of such a certificate.

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CIVIL AERONAUTICS BOARD
WASHINGTON, D. C.

Civil Air Regulations Amendment 50-3
Effective: Jan. 1, 1942
Adopted: Dec. 23, 1941

"50.20 Private pilot flight curriculum shall be satisfactory to the Administrator and shall consist of not less than 35 hours of flying time: Provided, That if the curriculum provides for training in only two-control non-spinnable airplanes with nose wheel type landing gear it shall consist of not less than 25 hours of flying time."

By the Civil Aeronautics Board:

/s/ *Darwin Charles Brown*

Darwin Charles Brown
Secretary

(S E A L)

Part 50 last printed November 1, 1940

CAR PART 50.—FLYING SCHOOL RATING

The following amendment corrects Civil Air Regulations Part 50.—Flying School Rating (as amended to November 1, 1940), to January 1, 1941.

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AMENDMENT NO. 87: Revocation of Airmen and Air Agency Certificates (effective December 20, 1940).

A new section is inserted reading as follows:

50.45 REVOCATION. No person whose flying school certificate has been revoked shall apply for or be issued a flying school certificate of any rating for a period of one year after the revocation, except as the order of revocation may otherwise provide.

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CAR PART 50.—FLYING SCHOOL RATING

The following amendment, together with Amendment Sheet No. 1, corrects Civil Air Regulations Part 50.— Flying School Rating (as amended to November 1, 1940) to July 15, 1941.

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AMENDMENT NO. 113: Commercial Pilot Flight Curriculum (effective May 27, 1941).

Section 50.30 is amended to read as follows:

50.30 COMMERCIAL PILOT FLIGHT CURRICULUM shall be satisfactory to the Administrator and shall consist of not less than 160 hours of flight time.

NOTICE

Advise the Civil Aeronautics Board, Washington, 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 will be ignored.

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