UNITED STATES OF AMERICA
CIVIL AERONAUTICS BOARD
WASHINGTON, D. C.

Civil Air Regulations Amendment 20-7
Effective: August 10, 1950
Adopted: July 6, 1950

CERTIFICATION OF GLIDER PILOTS

Currently effective Part 20 establishes the certification requirements for glider pilots, but it does not require that an applicant for a pilot certificate with a glider rating have any amount of supervised training. Moreover, the provisions of Part 20 do not provide for the issuance of a flight instructor rating to a pilot holding a pilot certificate with only a glider rating.

This amendment is designed to clarify and simplify the certification requirements for the issuance of pilot certificates with glider ratings, to provide that all applicants for pilot certificates with glider ratings have at least one hour of flight instruction in the recovery from stalls, and to provide that flight instructor ratings may be issued to glider pilots. This amendment also establishes a clearer and more appropriate method of computing glider flight time by providing that 10 short-patterned and released glider flights may be counted as one hour of flight time. Glider flight time is normally logged in terms of the number of flights flown rather than the number of hours flown. Thus, this amendment will eliminate the difficulty currently experienced by providing a standard for the conversion of glider flights into glider flight time.

Part 43 is being amended concurrently with this amendment to provide that a commercial glider pilot may give flight instruction in gliders and that a flight instructor shall not give flight instruction in a category of aircraft in which he has not demonstrated to an authorized representative of the Administrator his proficiency as a flight instructor.

Interested persons have been afforded an opportunity to participate in the making of this amendment, and due consideration has been given to all relevant matter presented.

In consideration of the foregoing the Civil Aeronautics Board hereby amends Part 20 of the Civil Air Regulations (14 CFR, Part 20, as amended) as follows, effective August 10, 1950:

1. By adding a new § 20.13 to read as follows:

20.13 Computation of flight time. Flight time shall be computed as follows:

(a) *Powered aircraft.* Flight time had in powered aircraft shall be computed in hours and minutes.

(b) *Glider.* Flight time had in a glider may be computed either in hours and minutes or by number of glider flights. Ten short-patterned and released glider flights may be counted as one hour of flight time.

2. By amending § 20.25 (b) to read as follows:

20.25 Aeronautical experience. * * *

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(b) *Glider.* An applicant for a glider rating shall have had at least 100 glider flights, or 10 hours of glider flight time including at least 50 glider flights. At least 25 of the required total number of flights shall have included 360° turns. As part of his aeronautical experience an applicant shall have had at least one hour of flight instruction in the recovery from stalls entered from all normally anticipated flight attitudes.

3. By amending § 20.26 (b) to read as follows:

20.26 Aeronautical skill. * * *

(b) *Glider.*

(1) At least 2 flights, one of which shall include a 360° approach to the right and one to the left, landing each time within 200 feet beyond a designated line or point;

(2) recovery from stalls entered from all normally anticipated flight attitudes. (Stall maneuvers may be demonstrated in airplanes.)

4. By amending § 20.35 (b) to read as follows:

20.35 Aeronautical experience. * * *

(b) *Glider.* An applicant for a glider rating shall have had at least 250 glider flights, or 25 hours of glider flight time including at least 125 glider flights. At least 25 of the required total number of flights shall have included 360° turns. As part of his aeronautical experience an applicant shall have had at least one hour of flight instruction in the recovery from stalls entered from all normally anticipated flight attitudes.

5. By amending § 20.36 (b) to read as follows:

20.36 Aeronautical skill. * * *

(b) *Glider.*

(1) At least 2 flights, one of which shall include a 360° approach to the right and one to the left, landing each time within 100 feet beyond a designated line or point;

(2) a spiral in each direction of not less than 3 full turns in a banked attitude of not less than 45°;

(3) a demonstration of satisfactory technique in the performance of glider flight when towed by an automobile or a winch;

(4) a demonstration of satisfactory technique in the performance of glider flight when towed by an airplane during climb, and when above, below, and to one side of the towing airplane slipstream while in level flight; and

(5) recovery from stalls entered from all normally anticipated flight attitudes. (Stall maneuvers may be demonstrated in airplanes.)

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2. By amending § 20.25 (b) to read as follows:

20.25 Aeronautical experience. * * *

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6. By amending § 20.41 to read as follows:

20.41 Flight instructor rating. A flight instructor rating may be issued to an applicant who meets the following requirements:

(a) *Age.* 18 years.

(b) *Knowledge.* An applicant shall pass a theoretical and practical examination on his competency to instruct students in flight.

(c) *Experience.* An applicant shall be a commercial pilot or a private pilot who has met the experience requirements for the issuance of a pilot certificate with a commercial pilot rating.

(d) *Skill.* An applicant shall demonstrate in each category of aircraft in which he desires to give flight instruction his ability to perform with precision and to teach such flight maneuvers as are necessary and appropriate for instruction in the safe piloting of that category of aircraft.

[Sec. 205 (a), 52 Stat. 984, 49 U.S.C. 425 (a). Interpret or apply secs. 601, 602, 52 Stat. 1007, 1008, 62 Stat. 1216, 49 U.S.C. 551, 552, Act of July 1, 1948.]

By the Civil Aeronautics Board:

/s/ M. C. Mulligan

M. C. Mulligan
Secretary

(SEAL)

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