

- (xiii) Postflight procedures.
- (6) For a glider category rating:
  - (i) Preflight preparation;
  - (ii) Preflight procedures;
  - (iii) Airport and gliderport operations;
  - (iv) Launches and landings;
  - (v) Performance speeds;
  - (vi) Soaring techniques;
  - (vii) Performance maneuvers;
  - (viii) Navigation;
  - (ix) Slow flight and stalls;
  - (x) Emergency operations; and
  - (xi) Postflight procedures.
- (7) For a lighter-than-air category rating with an airship class rating:
  - (i) Preflight preparation;
  - (ii) Preflight procedures;
  - (iii) Airport operations;
  - (iv) Takeoffs, landings, and go-arounds;
  - (v) Performance maneuvers;
  - (vi) Ground reference maneuvers;
  - (vii) Navigation;
  - (viii) Emergency operations; and
  - (ix) Postflight procedures.
- (8) For a lighter-than-air category rating with a balloon class rating:
  - (i) Preflight preparation;
  - (ii) Preflight procedures;
  - (iii) Airport operations;
  - (iv) Launches and landings;
  - (v) Performance maneuvers;
  - (vi) Navigation;
  - (vii) Emergency operations; and
  - (viii) Postflight procedures.
- (9) For a powered parachute category rating—
  - (i) Preflight preparation;
  - (ii) Preflight procedures;
  - (iii) Airport and seaplane base operations, as applicable;
  - (iv) Takeoffs, landings, and go-arounds;
  - (v) Performance maneuvers;
  - (vi) Ground reference maneuvers;
  - (vii) Navigation;
  - (viii) Night operations, except as provided in § 61.110;
  - (ix) Emergency operations; and
  - (x) Post-flight procedures.
- (10) For a weight-shift-control aircraft category rating—
  - (i) Preflight preparation;
  - (ii) Preflight procedures;
  - (iii) Airport and seaplane base operations, as applicable;
  - (iv) Takeoffs, landings, and go-arounds;

- (v) Performance maneuvers;
- (vi) Ground reference maneuvers;
- (vii) Navigation;
- (viii) Slow flight and stalls;
- (ix) Night operations, except as provided in § 61.110;
- (x) Emergency operations; and
- (xi) Post-flight procedures.

[Doc. No. 25910, 62 FR 16298, Apr. 4, 1997, as amended by Amdt. 61-110, 69 FR 44868, July 27, 2004]

#### § 61.109 Aeronautical experience.

(a) *For an airplane single-engine rating.* Except as provided in paragraph (k) of this section, a person who applies for a private pilot certificate with an airplane category and single-engine class rating must log at least 40 hours of flight time that includes at least 20 hours of flight training from an authorized instructor and 10 hours of solo flight training in the areas of operation listed in § 61.107(b)(1) of this part, and the training must include at least—

- (1) 3 hours of cross-country flight training in a single-engine airplane;
- (2) Except as provided in § 61.110 of this part, 3 hours of night flight training in a single-engine airplane that includes—
  - (i) One cross-country flight of over 100 nautical miles total distance; and
  - (ii) 10 takeoffs and 10 landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport.
- (3) 3 hours of flight training in a single-engine airplane on the control and maneuvering of an airplane solely by reference to instruments, including straight and level flight, constant airspeed climbs and descents, turns to a heading, recovery from unusual flight attitudes, radio communications, and the use of navigation systems/facilities and radar services appropriate to instrument flight;
- (4) 3 hours of flight training with an authorized instructor in a single-engine airplane in preparation for the practical test, which must have been performed within the preceding 2 calendar months from the month of the test; and
- (5) 10 hours of solo flight time in a single-engine airplane, consisting of at least—
  - (i) 5 hours of solo cross-country time;