

§ 61.109 Aeronautical Experience (Private Pilots)

REQUIREMENT	LOGBOOK
(a) For an airplane single-engine rating. Except as provided in paragraph (k) [Permitted credit for use of a full flight simulator or flight training device.] 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—	Name:
40 hrs Total	Total Flight Time:
20 hrs Dual	Items (1)-(4):
10 hrs Solo	Item (5):
(1) 3 hours of cross-country flight training in a single-engine airplane;	XC Dual Time:
(2) Except as provided in § 61.110 [Night flying exceptions.] of this part, 3 hours of night flight training in a single-engine airplane that includes -	Night Dual Time:
(i) One cross-country flight of over 100 nautical miles total distance; and	Date Completed: (100 NM XC)
(ii) 10 takeoffs and 10 landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport.	Full Stop T/Os & LDGs:
(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;	BAI Time: (sim instrument)
(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	Date Completed: (3 hrs w/in 60 days)
(5) 10 hours of solo flight time in a single-engine airplane, consisting of at least -	Total Solo Time:
(i) 5 hours of solo cross-country time;	XC Solo Time:
(ii) One solo cross country flight of 150 nautical miles total distance, with full-stop landings at three points, and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles between the takeoff and landing locations; and	Date Completed: (150 NM XC, 50 NM leg, F/S LDGs 3 pts)
(iii) Three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower.	F/S T/Os & LDGs: (Control Tower)

§ 61.107 Flight Proficiency (Private Pilots)

(b) Areas of operation.

(1) For an *airplane* category rating with a *single-engine* class rating:

NOTES

- (i) *Preflight preparation;*
- (ii) *Preflight procedures;*
- (iii) *Airport and seaplane base operations;*
- (iv) *Takeoffs, landings, and go-arounds;*
- (v) *Performance maneuvers;*
- (vi) *Ground reference maneuvers;*
- (vii) *Navigation;*
- (viii) *Slow flight and stalls;*
- (ix) *Basic instrument maneuvers;*
- (x) *Emergency operations;*
- (xi) *Night operations, except as provided in § 61.110 [Night flying exceptions.] of this part; and*
- (xii) *Postflight procedures.*

§ 61.105 Aeronautical Knowledge (Private Pilots)

(b) Aeronautical knowledge areas.

NOTES

- (1) *Applicable Federal Aviation Regulations of this chapter that relate to private pilot privileges, limitations, and flight operations;*
- (2) *Accident reporting requirements of the National Transportation Safety Board;*
- (3) *Use of the applicable portions of the “Aeronautical Information Manual” and FAA advisory circulars;*
- (4) *Use of aeronautical charts for VFR navigation using pilotage, dead reckoning, and navigation systems;*
- (5) *Radio communication procedures;*
- (6) *Recognition of critical weather situations from the ground and in flight, windshear avoidance, and the procurement and use of aeronautical weather reports and forecasts;*
- (7) *Safe and efficient operation of aircraft, including collision avoidance, and recognition and avoidance of wake turbulence;*
- (8) *Effects of density altitude on takeoff and climb performance;*
- (9) *Weight and balance computations;*
- (10) *Principles of aerodynamics, powerplants, and aircraft systems;*
- (11) *Stall awareness, spin entry, spins, and spin recovery techniques for the airplane and glider category ratings;*
- (12) *Aeronautical decision making and judgment; and*
- (13) *Preflight action that includes—*
 - (i) *How to obtain information on runway lengths at airports of intended use, data on takeoff and landing distances, weather reports and forecasts, and fuel requirements; and*
 - (ii) *How to plan for alternatives if the planned flight cannot be completed or delays are encountered.*

§ 61.103 Eligibility Requirements (Private Pilots)

NOTES

- (a) *At least 17 years of age*
- (b) *At least 16 years of age (glider or balloon)*
- (c) *Read, speak, write, & understand English*
- (d) *Logbook endorsement from instructor who:*
 - (1) *Conducted training or reviewed home study program (knowledge areas listed in § 61.105(b))*
 - (2) *Certified - prepared for the knowledge test*
- (e) *Pass knowledge test (knowledge areas listed in § 61.105(b))*
- (f) *Receive flight training & logbook endorsement from instructor who:*
 - (1) *Conducted training in the areas listed in § 61.107(b)*
 - (2) *Certified - prepared for the practical test*
- (g) *Meet aeronautical experience requirements of § 61.109 before applying for the practical test*
- (h) *Pass a practical test on the areas listed in § 61.107(b)*
- (i) *Comply with the appropriate sections of this part for the aircraft category and class rating sought*
- (j) *Hold a U.S. student pilot certificate, sport pilot certificate, or recreational pilot certificate*

§ 61.113 Privileges and Limitations (Private Pilots)

NOTES

- (a) *May not act as PIC for compensation or hire*
- (b) *May act as PIC for compensation or hire in connection with any business or employment if:*
 - (1) *Flight is incidental to that business or employment*
 - (2) *Aircraft does not carry passengers or property for compensation or hire*
- (c) *Pay no less than pro rata share of expenses (fuel, oil, airport expenditures, rental fees) with pax*
- (d) *May act as PIC of a charitable, nonprofit, or community event flight; must comply with § 91.146*
- (e) *Search & location' expense (fuel, oil, airport expenditures, rental fees) reimbursement; sanctioned & under direction/control of:*
 - (1) *Local, State, or Federal agency*
 - (2) *Organization that conducts search & location operations*
- (f) *Aircraft salesmen with at least 200 hrs logged flight time may demonstrate an aircraft to a buyer*
- (g) *PIC of aircraft towing a glider or unpowered ultralight vehicle; must comply with § 61.69*
- (h) *PIC to conduct a production flight test in a light-sport aircraft intended for certification in the light-sport category under § 21.190, provided that—*
 - (1) *Powered parachute or weight-shift-control aircraft*
 - (2) *Has at least 100 hrs PIC time in the category and class*
 - (3) *Familiar with processes/procedures of the production flight test; includes ops conducted under special flight permit & associated ops limits*
- (i) *PIC without medical certificate, provided has valid driver's license, meets § 61.23(c)(3) requirements, and complies with-*
 - (1) *Aircraft carries <6 occupants, max takeoff weight 6k pounds, & <5 pax on board*
 - (2) *Each portion of flight not carried out—*
 - (i) *< FL180*
 - (ii) *Outside U.S. unless authorized by the other country*
 - (iii) *< 250 KIAS*
 - (3) *Have available in his/her logbook—*
 - (i) *Completed medical examination checklist required under § 68.7*
 - (ii) *Certificate of course completion required under § 61.23(c)(3)*