

§ 61.129 Aeronautical Experience (Commercial Pilots)

REQUIREMENT		LOGBOOK
(a)	For an airplane single-engine rating. Except as provided in paragraph (i) [Permitted credit for use of a flight simulator or flight training device.] of this section, a person who applies for a commercial pilot certificate with an airplane category and single-engine class rating must log at least 250 hours of flight time as a pilot that consists of at least:	Name:
	250 hrs Total	Total Flight Time:
(1)	100 hours in powered aircraft, of which 50 hours must be in airplanes.	Powered Aircraft Time:
		Airplanes:
(2)	100 hours of pilot-in-command flight time, which includes at least—	PIC Time:
	(i) 50 hours in airplanes; and	Airplane Time:
	(ii) 50 hours in cross-country flight of which at least 10 hours must be in airplanes.	XC Time: Airplanes:
(3)	20 hours of training on the areas of operation listed in § 61.127(b)(1) of this part that includes at least—	Dual Time:
	(i) Ten hours of instrument training using a view-limiting device including attitude instrument flying, partial panel skills, recovery from unusual flight attitudes, and intercepting and tracking navigational systems. Five hours of the 10 hours required on instrument training must be in a single engine airplane;	BAI Time: (sim instrument)
		Single Engine Airplane Time:
	(ii) 10 hours of training in a complex airplane, a turbine-powered airplane, or a technically advanced airplane (TAA) that meets the requirements of paragraph (j) [Technically advanced airplane.] of this section, or any combination thereof. The airplane must be appropriate to land or sea for the rating sought;	Dual Time: (Complex, Turbine, or TAA)
	(iii) One 2-hour cross country flight in a single engine airplane in daytime conditions that consists of a total straight-line distance of more than 100 nautical miles from the original point of departure;	Date Completed: (Day XC, 2-hr, 100 NM leg)
	(iv) One 2-hour cross country flight in a single engine airplane in nighttime conditions that consists of a total straight-line distance of more than 100 nautical miles from the original point of departure; and	Date Completed: (Night XC, 2-hr, 100 NM leg)
	(v) Three hours in a single-engine airplane with an authorized instructor in preparation for the practical test within the preceding 2 calendar months from the month of the test.	Date Completed: (3 hrs w/in 60 days)
(4)	Ten hours of solo flight time in a single engine airplane or 10 hours of flight time performing the duties of pilot in command in a single engine airplane with an authorized instructor on board (either of which may be credited towards the flight time requirement under paragraph (a)(2) of this section), on the areas of operation listed under § 61.127(b)(1) that include—	Solo Time:
		PIC/Dual Time:
	(i) One cross-country flight of not less than 300 nautical miles total distance, with landings at a minimum of three points, one of which is a straight-line distance of at least 250 nautical miles from the original departure point. However, if this requirement is being met in Hawaii, the longest segment need only have a straight-line distance of at least 150 nautical miles; and	Date Completed: (300 NM XC, 250 NM leg, LDGs 3 pts)
		(ii) 5 hours in night VFR conditions with 10 takeoffs and 10 landings (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower.

§ 61.127 Flight Proficiency (Commercial 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) *Emergency operations;*
- (x) *High-altitude operations; and*
- (xi) *Postflight procedures.*

§ 61.125 Aeronautical Knowledge (Commercial Pilots)

(b) Aeronautical knowledge areas.

NOTES

- (1) *Applicable Federal Aviation Regulations of this chapter that relate to commercial pilot privileges, limitations, and flight operations;*
- (2) *Accident reporting requirements of the National Transportation Safety Board;*
- (3) *Basic aerodynamics and the principles of flight;*
- (4) *Meteorology to include recognition of critical weather situations, windshear recognition and avoidance, and the use of aeronautical weather reports and forecasts;*
- (5) *Safe and efficient operation of aircraft;*
- (6) *Weight and balance computations;*
- (7) *Use of performance charts;*
- (8) *Significance and effects of exceeding aircraft performance limitations;*
- (9) *Use of aeronautical charts and a magnetic compass for pilotage and dead reckoning;*
- (10) *Use of air navigation facilities;*
- (11) *Aeronautical decision making and judgment;*
- (12) *Principles and functions of aircraft systems;*
- (13) *Maneuvers, procedures, and emergency operations appropriate to the aircraft;*
- (14) *Night and high-altitude operations;*
- (15) *Procedures for operating within the National Airspace System; and*
- (16) *Procedures for flight and ground training for lighter-than-air ratings.*

§ 61.123 Eligibility Requirements (Commercial Pilots)**NOTES**

- (a) *At least 18 years of age*
- (b) *Read, speak, write, & understand English*
- (c) *Logbook endorsement from instructor who:*
 - (1) *Conducted training or reviewed home study program (knowledge areas listed in § 61.125(b))*
 - (2) *Certified - prepared for the knowledge test*
- (d) *Pass knowledge test (knowledge areas listed in § 61.125(b))*
- (e) *Receive flight training & logbook endorsement from instructor who:*
 - (1) *Conducted training in the areas listed in § 61.127(b)*
 - (2) *Certified - prepared for the practical test*
- (f) *Meet aeronautical experience requirements of § 61.129 before applying for the practical test*
- (g) *Pass a practical test on the areas listed in § 61.127(b)*
- (h) *Hold at least a private pilot certificate or meet § 61.73 [Military pilots: Special rules]; and*
- (i) *Comply with the appropriate sections of this part for the aircraft category and class rating sought*

§ 61.133 Privileges and Limitations (Commercial Pilots)**NOTES**

- (a) **Privileges —**
 - (1) **General.** *May act as pilot in command of an aircraft—*
 - (i) *Carrying persons/property for compensation or hire, if qualified- this part & applicable parts for the operation*
 - (ii) *For compensation or hire, if qualified- this part & applicable parts for the operation.*
- (b) **Limitations.**
 - (1) *Without an instrument rating in same category/class as commercial pilot certificate - limitation, "The carriage of passengers for hire in (airplanes) on cross-country flights in excess of 50 nautical miles or at night is prohibited." Limitation is removed with instrument rating [§ 61.65 Instrument rating requirements] in the same category/class of aircraft.*