

§ 61.93(a)-(e) Solo Cross-Country (XC) Flight Requirements

REQUIREMENT	LOGBOOK
(a) General.	Name:
(1) Except as provided in (b), a student pilot must meet the requirements of this section before—	XC Defined-
(i) Conducting a solo XC flight, or any flight greater than 25 NM from the starting airport	> 25 NM
(ii) Making a solo flight and landing at any location other than the starting airport	Offsite landing
(2) Except as provided in (b), a student pilot who seeks solo XC flight privileges must:	General Requirements-
(i) Receive flight training on maneuvers & procedures of (e) in same make & model	Dual flight training
(ii) Demonstrate XC proficiency on maneuvers & procedures of (e) to authorized instructor	Demonstrate proficiency
(iii) Satisfactorily accomplished §61.87 solo flight in similar make & model aircraft	Soloed in make & model
(iv) Comply with the authorized instructor's endorsement limitations	Comply with limitations
(b) Authorization to perform certain solo & XC flights. Student pilot must obtain endorsement from an authorized instructor to make solo flights from primary airport to another location .	Endorsement to Fly XC
(1) Solo flights may be made to airports w/in 25 NM from where student normally trains, provided—	Airports w/in 25 NM
(i) Authorized instructor gave the student flight training at the other airport; flight in both directions over the route , entering/exiting the traffic pattern , & takeoffs/landings	Dual at other airports
(ii) Authorized instructor who gave the training endorses the student logbook for the flight	Primary instructor endorses
(iii) Student has a solo flight endorsement in accordance with §61.87	Current solo endorsement
(iv) Authorized instructor determined that student is proficient to make the flight	Determined "proficient"
(v) Purpose of the flight is to practice takeoffs & landings at that other airport	XC purpose
(2) Repeated solo XC flights may be made to airports within 50 NM from starting airport, provided—	Repeated XC w/in 50 NM
(i) Authorized instructor gave the student flight training at the other airport; flight in both directions over the route , entering/exiting the traffic pattern , & takeoffs/landings	Dual at other airports
(ii) Authorized instructor who gave training endorsed student as proficient to make the flights	Primary instructor endorses
(iii) Student has a solo flight endorsement in accordance with §61.87	Current solo endorsement
(iv) Student has solo XC flight endorsement in accordance with (c); however, for repeated solo XC flights within 50 NM, separate endorsements are not required for each flight	Separate endorsements not required for each 50 NM XC
(c) Endorsements for solo XC flights . Except as in (b)(2), a student must be endorsed for each XC flight:	XC Endorsements
(1) Must have solo XC endorsement from their training instructor for specific category of aircraft	Specific aircraft category
(2) Must have solo XC endorsement from their training instructor for specific make & model of aircraft	Specific make & model
(3) For each XC , instructor must review & endorse student's XC planning , as in (d). It must—	XC planning (each XC)
(i) Specify make & model of aircraft to be flown	Specify make & model
(ii) State that planning & preparation is correct , & student is prepared to make the flight safely under the known conditions	Prepared for safe XC flight
(iii) State that any limitations required by the student's authorized instructor are met	Limitations are met
(d) Limitations on authorized instructors to permit solo XC flights. Authorized instructor may not permit a student pilot to conduct a solo XC flight unless that instructor has:	XC Limitations
(1) Determined that the student's XC planning is correct for the flight	Correct planning
(2) Reviewed current & forecast weather conditions & determined flight can be completed under VFR	VFR weather
(3) Determined that the student is proficient to conduct the flight safely	Proficient
(4) Determined student has appropriate solo XC endorsement for make & model aircraft	Make & model
(5) Determined student's solo flight endorsement is current for make & model aircraft	Current solo endorsement
(e) Maneuvers & procedures for XC flight training in a single-engine airplane.	Training Requirements
(1) Use of aeronautical charts for VFR nav using pilotage & dead reckoning with aid of mag comp	
(2) Use of aircraft performance charts pertaining to XC flight	
(3) Obtain/analyze aero wx reports/forecasts ; recognize crit wx situations & estimate visibility in flight	
(4) Emergency procedures	
(5) Traffic pattern procedures - area departure & arrival, traffic pattern entry, & approach	
(6) Procedures & ops practices - wake turbulence precautions, windshear & collision avoidance	
(7) Recognition, avoidance, & operational restrictions of hazardous terrain features	
(8) Procedures for operating aircraft's instruments/equipment ; recognition/use of procedures/indications	
(9) Use of radios for VFR nav & 2-way comm (except sport cert- only train on installed radios)	
(10) Takeoff, approach, & landing procedures, including short, soft, & crosswind	
(11) Climbs at best angle & best rate	
(12) Flight by sole reference to instruments ; straight/level, turns, descents, climbs, use of radio aids , & ATC directives . (Sport cert- only when training for XC flight in an airplane with Vh > 87 KTS CAS)	