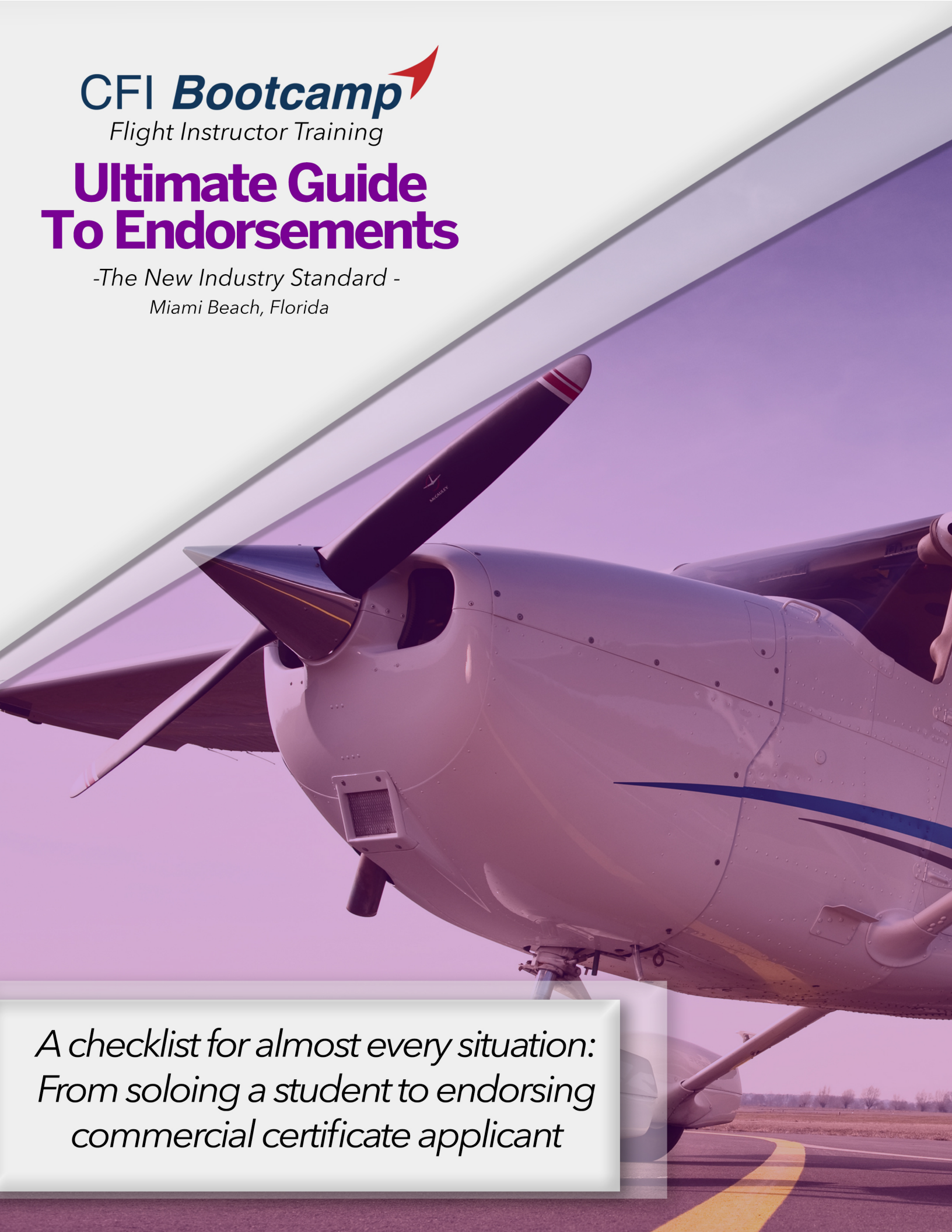




CFI *Bootcamp*
Flight Instructor Training

Ultimate Guide To Endorsements

*-The New Industry Standard -
Miami Beach, Florida*



*A checklist for almost every situation:
From soloing a student to endorsing
commercial certificate applicant*

Instructions

This guide covers the pertinent regulations for typical CFI functions regarding endorsements. Recommended endorsements are included and categorized by the Pilot authorization you are trying to endorse for. In addition to the endorsements there are checklists and reprints of the specific regulations surrounding the activity.

NOTE: Items in Green are intended to offer you additional information about the endorsement that follows the text.

This document is a core document in CFI Bootcamp's training program. Learn more at cfibootcamp.com – 650-600-1021

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Part 61 Check List - Student Pilots

Student, Private, Commercial, Recreational and Sport Pilots Pilot, Added Ratings Instrument Rating, and Flight Instructor Certificates Including Added Ratings

§ 61.83 Eligibility requirements for student pilots.

To be eligible for a student pilot certificate, an applicant must:

- U.S. Citizen Verification or TSA Approval.
- Be at least **16 years** of age for other than the operation of a glider or balloon.
- Be able to read, speak, write, and understand the **English language**.

Title 49: Transportation

PART 1552 – Flight Schools

Subpart A – Flight Training for Aliens and Other Designated Individuals

§ 1552.3 Flight training.

U.S. citizens and nationals and Department of Defense endorsees . A flight school must determine whether an individual is a citizen or national of the United States, or a Department of Defense endorsee, prior to providing flight training to the individual.

1. *U.S. citizens and nationals*. To establish U.S. citizenship or nationality an individual must present to the flight school his or her:
 - a. Valid, unexpired United States passport;

Recordkeeping requirements. A flight school must—

1. Maintain the following information for a minimum of 5 years:
 - a. For each candidate:
 - i. A copy of the photograph required under paragraph (a)(3), (b)(1)(iii), (c)(3), or (d)(2)(viii) of this section; and
 - ii. A copy of the approval sent by TSA confirming the candidate's eligibility for flight training.

TSA Citizenship Verification: 1552.3(h)

I certify that _____ has presented to me a United States Passport establishing that he is a U.S. Citizen or national in accordance with 49 CFR 1552.3(h)

Signed _____ Date _____
CFI# _____ Expiration _____

§ 61.87 Solo requirements for student pilots.

General. A student pilot may not operate an aircraft in solo flight unless that student has met the requirements of this section. The term “solo flight” means that flight time during which a student pilot is the sole occupant of the aircraft.

Posses a minimum of a 3rd class **medical** and a Student Pilot Certificate.

Aeronautical knowledge. A student pilot must demonstrate satisfactory aeronautical knowledge on a knowledge test that meets the requirements:

- 1) The test must address the student pilot's knowledge of—
 - a) Applicable sections of parts 61 and 91;
 - b) Airspace rules and procedures for the airport where the solo flight will be performed;
 - c) Flight characteristics and operational limitations for the make and model of aircraft to be flown.
- 2) The student's authorized instructor must—
 - a) Administer the test;
 - b) At the end of the test, review all incorrect answers with the student before authorizing a solo flight.

Pre-solo flight training. Prior to conducting a solo flight, a student pilot must have:

1. Received and logged flight training for the maneuvers and procedures of Part 61 that are appropriate to the make and model of aircraft to be flown;
2. Demonstrated satisfactory proficiency and safety, as judged by an authorized instructor, on the maneuvers and procedures required by Part 61 in the make and model of aircraft or similar **make and model** of aircraft to be flown. (**SAFE doesn't mean it has to be to PTS standards at the particular level of training**)

Maneuvers and procedures received and logged flight training for the following maneuvers and procedures:

Maneuvers and procedures Logbook requirements PART 61.87(d)(1–15) in order to do SOLO ENDORSEMENT

Maneuvers and procedures Logbook requirements PART 61.87(d)(1–15) in order to do SOLO ENDORSEMENT

DATE	SUBJECT(S)	INSTRUCTOR ENDORSEMENT	TIME THIS LESSON
	Proper flight preparation procedures, including preflight planning and preparation, powerplant operation, and aircraft systems 61.87(d)(1)		
	Taxiing or surface operations, including runups 61.87(d)(2)		
	Takeoffs and landings, including normal and crosswind 61.87(d)(3)		
	Straight and level flight, and turns in both directions 61.87(d)(4)		
	Climbs and climbing turns 61.87(d)(5)		
	Airport traffic patterns, including entry and departure procedures 61.87(d)(6)		
	Collision avoidance, windshear avoidance, and wake turbulence avoidance 61.87(d)(7)		
	Descents, with and without turns, using high and low drag configurations 61.87(d)(8)		
	Flight at various airspeeds from cruise to slow flight 61.87(d)(9)		
	Stall entries from various flight attitudes & power combinations with recovery initiated at first indication of a stall, & recovery from a full stall 61.87(d)(10)		
	Emergency procedures and equipment malfunctions 61.87(d)(11)		
	Ground reference maneuvers 61.87(d)(12)		
	Approaches to a landing area with simulated engine 61.87(d)(13)		
	Slips to a landing 61.87(d)(14)		
	Go-arounds 61.87(d)(15)		

§ 61.89(a) General limitations.

A student pilot may not act as pilot in command of an aircraft:

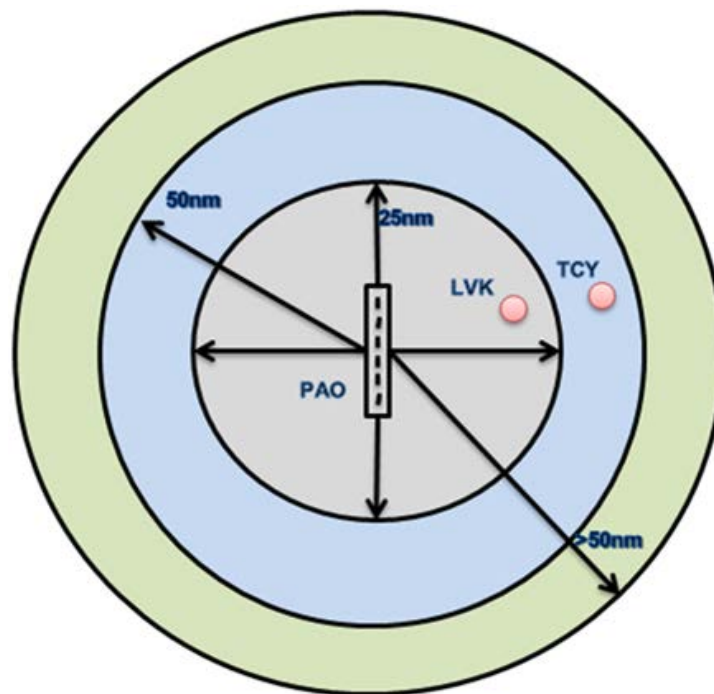
- 1) That is carrying a passenger;
- 2) That is carrying property for compensation or hire;
- 3) For compensation or hire;
- 4) In furtherance of a business;
- 5) On an international flight;
- 6) With a flight or surface visibility of less than 3 statute miles during daylight hours or 5 statute miles at night;
- 7) When the flight cannot be made with visual reference to the surface;
- 8) In a manner contrary to any limitations placed in the pilot's logbook by an authorized instructor.
- 9) May not fly into Class B airspace or land at a Class B airport without specific **endorsement**.

Limitations on flight instructors authorizing solo flight. No instructor may authorize a student pilot to perform a solo flight unless that instructor has—

- 1) Given that student pilot training in the make and model of aircraft or a similar make and model of aircraft in which the solo flight is to be flown;
- 2) Determined the student pilot is proficient in the maneuvers and procedures prescribed in this section;
- 3) Determined the student pilot is proficient in the make and model of aircraft to be flown;
- 4) Ensured that the student pilot's logbook has been endorsed by an instructor authorized to provide flight training for the specific make and model aircraft to be flown;
- 5) Endorsed the student pilot's logbook for the specific make and model aircraft to be flown, and that **endorsement** remains current for solo flight privileges, provided an authorized instructor updates the student's logbook **every 90 days thereafter**.

A student pilot may not act as a required pilot flight crewmember on any aircraft for which more than one pilot is required by the type certificate of the aircraft or regulations under which the flight is conducted, except when receiving flight training from an authorized instructor on board an airship, and no person other than a required flight crewmember is carried on the aircraft.

Limitations on student pilots operating an aircraft in solo flight.



SOLO Endorsement Steps:

1. **Solo Endorsement: 25nm only**
 - a. Student can take off and land only at home airport
 - b. Can fly within 25nm radius of home airport
 - c. No Cross-Country training is required at this point

2. **Extended distance Endorsement: up to 50nm**
 - a. Must have completed Cross Country training 61.93.
 - i. Must include Short & Soft field take offs and landing training
 - ii. Must have received training on climbing using Vx and Vy
 - iii. Flight by maneuvering solely by the flight instruments flight training
 - b. Can now fly up to 50nm distance to another airport and land
 - i. Requires training to and at the other airport in both directions
 - c. Endorsement to specific airport can be repeated without renewal

3. **Cross Country to another airport: Exceeding 50nm**
 - a. Must complete the Cross-Country training required by 61.93:
 - b. Necessary for any flight farther than 50nm
 - c. Must have a new endorsement for every flight to be made
 - d. CFI must review and certify that the students can make the flight under the known condition for each flight.

In order to perform solo flight a student pilot must have received

- 1) An **endorsement** from an authorized instructor on his or her **Logbook** for the specific make and model aircraft to be flown; **61.87(n)**

Solo Flight (First 90-day period): 61.87(n)

I certify that _____ has received the required pre-solo training in a _____ (Make/Model).

I have determined that (He/She) has demonstrated satisfactory proficiency and safety on the maneuvers and procedures required by 61.87 in this or similar make and model aircraft to be flown.

Limitations – 61.89(a) (8): _____

Signed _____ Date _____

CFI# _____ Expiration _____

OPTIONAL ENDORSEMENT (not FAA required)

- 2) An **endorsement** in the student's **logbook** for the specific make and model aircraft to be flown and the location of the specific airport the student is authorized at by an authorized instructor, who administered and graded the **knowledge written test**.

Pre-solo aeronautical knowledge: 61.87(b)

_____ has satisfactorily completed a pre-solo written examination demonstrating knowledge of the operations of Parts 61 and 91 applicable to student pilot, the airspace rules and procedures for _____ airport, and the flight characteristics and operational limitations for a _____ (Make/Model)

Signed _____ Date _____
CFI# _____ Expiration _____

- 3) An **endorsement** in the student's **logbook** for the specific make and model aircraft to be flown by an authorized instructor who gave the **flight training** in maneuvers and procedures required by part 61.

Pre-solo flight training: 61.87(c)

I have given _____ the flight training required by 61.87(c) in a _____ (Make/Model). He/She has demonstrated proficiency in the applicable maneuvers and procedures listed in 61.87(d) (1 through 15), and is proficient to make safe solo flights in a _____ (Make/Model)

Limitations – 61.89(a) (8): _____

Signed _____ Date _____
CFI# _____ Expiration _____

- 4) An **endorsement** in the student's **logbook** for the specific make and model aircraft to be flown by an authorized instructor, who gave the training required to permit student **solo flight**.

Use this Endorsement after the above Endorsement expires (90 days) for each additional 90 days.

Solo (each additional 90-day period): 61.87(p)

I certify that _____ has received the required training to qualify for solo flying. I have determined that (He/She) meets the applicable requirements of 61.87(p) and is proficient to make solo flights in a _____ (Make/Model)

Limitations – 61.89(a) (8): _____

Signed _____ Date _____
CFI# _____ Expiration _____

Limitations on student pilots operating an aircraft in **solo flight at night**. In order to perform solo flight a student pilot must have received:

- 1) Flight training at night on night flying procedures that includes takeoffs, approaches, landings, and go-arounds at night at the airport where the solo flight will be conducted;
- 2) Navigation training at night in the vicinity of the airport where the solo flight will be conducted; and
- 3) An **endorsement** in the student's logbook for the specific make and model aircraft to be flown for night solo flight by an authorized instructor who gave the training within the 90-day period preceding the date of the flight.

Solo flight training at night: 61.87(c) and (o)

I have given _____ the flight training required by 61.87(c) and (o) in a _____ (Make/Model) He/She has demonstrated proficiency in the applicable maneuvers and procedures listed in 61.87(d) (1 through 15), and 61.87(o), and is proficient to make safe solo flights at night in a _____ (Make/Model) Limitations – 61.89(a) (8): _____.

Signed _____ Date _____
CFI# _____ Expiration _____

Authorization to perform certain solo flights and cross-country flights. A student pilot must obtain an **endorsement** from an authorized instructor to make solo flights from the airport where the student pilot normally receives training to another location. A student pilot who receives this **endorsement** must comply with the requirements of this paragraph.

- 1) Solo flights may be made to **another airport** that is **within 25 nautical miles** from the airport where the student pilot normally receives training, provided—
 - a) An authorized instructor has given the student pilot flight training at the other airport, and that training includes flight in both directions over the route, entering and exiting the traffic pattern, and takeoffs and landings at the other airport;
 - b) The authorized instructor who gave the training endorses the student pilot's logbook authorizing the flight;
 - c) student pilot has a solo flight **endorsement** in accordance with §61.87 of this part;
 - d) The authorized instructor has determined that the student pilot is proficient to make the flight; and
 - e) The purpose of the flight is to practice takeoffs and landings at that other airport.

Solo landings and takeoffs at another airport within 25nm: 61.93(b)(1)

I have given the flight training required by 61.93(b)(1) to _____ and find him/her proficient to practice landings and takeoffs at _____ airport. Landings and takeoffs at _____ airport are authorized subject to the following conditions: _____

Signed _____ Date _____
CFI# _____ Expiration _____

NOTE: Up to this point no Cross-Country Training has to have been accomplished

In order to perform solo Cross Country flights

§ 61.93 Solo cross-country flight requirements.

General.

1. Except as provided in paragraph (b) of this section, a student pilot must meet the requirements of this section before—
 - a. Conducting a solo cross-country flight, or any flight greater than **25 nautical miles** from the airport from where the flight originated.
 - b. Making a solo flight and landing at **any location other than the airport of origination.**
2. Except as provided in paragraph (b) of this section, a student pilot who seeks solo cross-country flight privileges must:
 - a. Have received flight training from an instructor authorized to provide flight training on the maneuvers and procedures of this section that are appropriate to the make and model of aircraft for which solo cross-country privileges are sought;
 - b. Have demonstrated **cross-country proficiency** on the appropriate maneuvers and procedures of this section to an authorized instructor;
 - c. Have satisfactorily accomplished the pre-solo flight maneuvers and procedures required by §61.87 of this part in the make and model of aircraft or similar make and model of aircraft for which solo cross-country privileges are sought; and
 - d. Comply with any limitations included in the authorized instructor's **endorsement** that are required by paragraph (c) of this section.

3. A student pilot who seeks solo cross-country flight privileges must have received ground and flight training from an authorized instructor on the cross-country maneuvers and procedures listed in this section that are appropriate to the aircraft to be flown.

Limitations on authorized instructors to permit solo cross-country flights. An authorized instructor may not permit a student pilot to conduct a solo cross-country flight unless that instructor has:

- 1) Determined that the student's cross-country planning is correct for the flight;
- 2) Reviewed the current and forecast weather conditions and has determined that the flight can be completed under VFR;
- 3) Determined that the student is proficient to conduct the flight safely;
- 4) Determined that the student has the appropriate solo cross-country **endorsement** for the make and model of aircraft to be flown; and
- 5) Determined that the student's solo flight **endorsement** is current for the make and model aircraft to be flown.

Maneuvers and procedures for cross-country flight training in a single-engine airplane. A student pilot who is receiving training for cross-country flight in a single-engine airplane must receive and log flight training in the following maneuvers and procedures:

Maneuvers and procedures (Logbook requirements PART 61.93(e)(1–12)) in order to give the ENDORSEMENT to certify the cross country training has been done satisfactorily..

DATE	SUBJECT(S)	INSTRUCTOR ENDORSEMENT	TIME THIS LESSON
	Use of aeronautical charts for VFR navigation using pilotage and dead reckoning with the aid of a magnetic compass 61.93(e)(1)		
	Use of aircraft performance charts pertaining to cross-country flight 61.93(e)(2)		
	Procurement and analysis of aeronautical weather reports and forecasts, including recognition of critical weather situations and estimating visibility while in flight 61.93(e)(3)		
	Emergency procedures 61.93(e)(4)		
	Traffic pattern procedures that include area departure, area arrival, entry into the traffic pattern, and approach 61.93(e)(5)		
	Procedures and operating practices for collision avoidance, wake turbulence precautions, and windshear avoidance 61.93(e)(6)		
	Recognition, avoidance, and operational restrictions of hazardous terrain features in the geographical area where the cross-country flight will be flown 61.93(e)(7)		
	Procedures for operating the instruments and equipment installed in the aircraft to be flown, including recognition and use of the proper operational procedures and indications 61.93(e)(8)		
	Use of radios for VFR navigation and two-way communications 61.93(e)(9)		
	Takeoff, approach, and landing procedures, including short-field, soft-field, and crosswind takeoffs, approaches, and landings 61.93(d)(10)		
	Climbs at best angle and best rate 61.93(e)(11)		
	Control and maneuvering solely by reference to flight instruments, including straight and level flight, turns, descents, climbs, use of radio aids, and ATC directives 61.93(e)(12)		

Cross-Country Logbook Endorsements

Endorsements for solo cross-country flights. Except as specified in paragraph (b)(2) of this section, a student pilot must have the **endorsements** prescribed in this paragraph for each cross-country flight:

- 1) *Student pilot's logbook endorsement.* A student pilot must have a solo cross-country **endorsement** from the authorized instructor who conducted the training, and that **endorsement** must be placed on that person's **Logbook** for the specific category of aircraft to be flown.

Initial solo cross-country flight: 61.93(c)(1, 2 and 3)

I certify that _____ has received the required solo cross-country training. I find (He/She) has met the applicable requirements of 61.93, and is proficient to make solo cross-country flights in a _____.(Make/Model) _____ (Aircraft Category)

Signed _____ Date _____

CFI# _____ Expiration _____

- 2) **Repeated** specific solo cross-country flights may be made to another airport that is **within 50 nautical miles** of the airport from which the flight originated, provided—
 - a) The authorized instructor has given the student flight training in both directions over the route, including entering and exiting the traffic patterns, takeoffs, and landings at the airports to be used;
 - b) The authorized instructor who gave the training has **endorsed** the student's **logbook** certifying that the student is proficient to make such flights;
 - c) The student has a solo flight **endorsement** in accordance with §61.87 of part 61;
 - d) The student has a solo cross country flight **endorsement** in accordance with paragraph (c) of this section; however, for repeated solo cross country flights to another airport within 50 nautical miles from which the flight originated, separate **endorsements** are not required to be made for each flight.

Repeated Solo Cross-Country flights not more than 50 nm from the point of departure: 61.93(b)(2)

I have given _____ flight training in both directions over the route between _____ airport and _____ airport, including entering and exiting the traffic pattern, takeoffs, and landings at the airports to be used, and find him/her proficient to conduct repeated solo cross-country flights over that route, subject to the following conditions: _____

Signed _____ Date _____

CFI# _____ Expiration _____

- 2) *Logbook endorsement.* (For each flight over 50nm or when you haven't flown with them to and from an airport <50nm)
 - a) A student pilot must have a solo cross-country **endorsement** from an authorized instructor that is placed in the student pilot's logbook for the specific make and model of aircraft to be flown.
 - b) For each cross-country flight, the authorized instructor who reviews the cross-country planning must make an **endorsement** in the person's logbook after reviewing that person's cross-country planning, as specified in paragraph (d) of this section. The **endorsement** must—
 - i) Specify the make and model of aircraft to be flown;
 - ii) State that the student's preflight planning and preparation is correct and that the student is prepared to make the flight safely under the known conditions; and
 - iii) State that any limitations required by the student's authorized instructor are met.

Each solo cross-country flight: 61.93(c)(2) and 3(i, ii and iii)

After reviewing the cross-country planning of _____, I attest that the preflight planning and preparation is correct, and that he/she is prepared to make the solo flight safely under the known circumstances from _____ to _____ to _____ to _____ via _____ (Route) with landings at _____ and _____ and _____ in a _____.(Make/Model) Limitations – 61.89(a)(8): _____

Signed _____ Date _____
CFI# _____ Expiration _____

The following endorsement is to allow a student to fly within certain class B but NOT to land there

§ 61.95 Operations in Class B airspace and at airports located within Class B airspace.

- 1) A student pilot may not operate an aircraft on a solo flight in Class B airspace unless:
 - a) The student pilot has received both ground and flight training from an authorized instructor on that Class B airspace area, and the flight training was received in the specific Class B airspace area for which solo flight is authorized;
 - b) The logbook of that student pilot has been endorsed by the authorized instructor who gave the student pilot flight training, and the endorsement is dated within the 90-day period preceding the date of the flight in that Class B airspace area; and
 - c) The **logbook endorsement** specifies that the student pilot has received the required ground and flight training, and has been found proficient to conduct solo flight in that specific Class B airspace area.

Solo flight in Class B airspace: 61.95(a)

I have given _____ the ground and flight training required by 61.95(a), and find him/her proficient to conduct solo flight in _____ (Specific Class B airspace)

Signed _____ Date _____
CFI# _____ Expiration _____

- 2) A student pilot may not operate an aircraft on a solo flight to, from, or at an airport located within Class B airspace pursuant to §91.131(b) of this chapter unless:
 - a) The student pilot has received both ground and flight training from an instructor authorized to provide training to operate at that airport, and the flight and ground training has been received at the specific airport for which the solo flight is authorized;
 - b) The logbook of that student pilot has been endorsed by an authorized instructor who gave the student pilot flight training, and the endorsement is dated within the 90-day period preceding the date of the flight at that airport; and
 - c) The **logbook endorsement** specifies that the student pilot has received the required ground and flight training, and has been found proficient to conduct solo flight operations at that specific airport.

This endorsement allows a student pilot to land at the primary airport in the specific Class B – Check FAR 91 appendix D line item 4 for the list of airports not allowing student pilot operations

Solo flight to, from, or at an airport located within Class B airspace: 61.95(b) and 81.131(b)(iv)

I have given _____ the ground and flight training required by 61.95(b), and find him/her proficient to conduct solo flight operations at _____ Airport.

Signed _____ Date _____
CFI# _____ Expiration _____