

## **Most Common Student Solo Endorsements** (Check AC-61-65H for others)

**Recommendation:** Always provide limitations on any endorsement. This is usually at the end of the endorsement. Example: Subject to the following limitations: Ceilings >2000ft AGL, Visibility >6SM, Winds <15kts, Crosswind<8kt, Day only unless a night endorsement is provided later.

### **Initial First solo (Needs the additional 90 day every 90 days)**

Must have completed

1. Solo written test for each make and model (ex: Archer vs Cherokee 180 vs Warrior)
2. All maneuvers and topics from 61.87(d) must be in the logbook. See 61.87(d) at end of this document.

#### **A.4 Pre-solo flight training: § 61.87(c)(1) and (2).**

I certify that [First name, MI, Last name] has received and logged pre-solo flight training for the maneuvers and procedures that are appropriate to the [make and model] aircraft. I have determined [he or she] has demonstrated satisfactory proficiency and safety on the maneuvers and procedures required by § 61.87 in this or similar make and model of aircraft to be flown.

#### **A.6 Solo flight (first 90 calendar-day period): § 61.87(n).**

I certify that [First name, MI, Last name] has received the required training to qualify for solo flying. I have determined [he or she] meets the applicable requirements of § 61.87(n) and is proficient to make solo flights in [make and model].

#### **A.7 Solo flight (each additional 90 calendar-day period): § 61.87(p).**

I certify that [First name, MI, Last name] has received the required training to qualify for solo flying. I have determined that [he or she] meets the applicable requirements of § 61.87(p) and is proficient to make solo flights in [make and model].

### **Solo to another airport (<25NM)**

#### **A.8 Solo takeoffs and landings at another airport within 25 nautical miles (NM): § [61.93\(b\)\(1\)](#).**

I certify that [First name, MI, Last name] has received the required training of § 61.93(b)(1). I have determined that [he or she] is proficient to practice solo takeoffs and landings at [airport name]. The takeoffs and landings at [airport name] are subject to the following conditions: [List any applicable conditions or limitations.]

**Initial Cross Country Solo** (Any solo flight >25NM needs this and another endorsement)

**A.9 Solo cross-country flight: § 61.93(c)(1) and (2).**

I certify that [First name, MI, Last name] has received the required solo cross-country training. I find [he or she] has met the applicable requirements of § 61.93, and is proficient to make solo cross-country flights in a [make and model] aircraft, [aircraft category].

**Each Cross Country Solo** Needs the below and A.9 must have been done, and also current on A.6/A.7. This endorsement can be signed by any instructor that has completed the cross country review.

**A.9 Solo cross-country flight: § 61.93(c)(1) and (2).**

I certify that [First name, MI, Last name] has received the required solo cross-country training. I find [he or she] has met the applicable requirements of § 61.93, and is proficient to make solo cross-country flights in a [make and model] aircraft, [aircraft category].

**Night Solo**

**A.5 Pre-solo flight training at night: § 61.87(o).** Flight training must be received within the 90 calendar-day period preceding the date of the flight.

I certify that [First name, MI, Last name] has received flight training at night on night flying procedures that include takeoffs, approaches, landings, and go-arounds at night at the [airport name] airport where the solo flight will be conducted; navigation training at night in the vicinity of the [airport name] airport where the solo flight will be conducted. This endorsement expires 90 calendar-days from the date the flight training at night was received.

**These solo maneuvers must be documented in the logbook prior to Initial Solo Endorsement**

61.87(d)

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