- (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;
- (10) Emergency procedures and equipment malfunctions;
 - (11) Ground reference maneuvers;
- (12) Inspection of towline rigging and the review of signals and release procedures;
 - (13) Aerotows or ground tows;
- (14) Procedures for disassembly and assembly of the glider;
- (15) Stall entry, stall, and stall recovery;
 - (16) Štraight glides, turns, and spirals;
 - (17) Slips to a landing;
- (18) Procedures and techniques for thermalling; and
- (19) Emergency operations including towline break procedures.
- (k) Maneuvers and procedures for supervised PIC flight training in an airship. A student pilot who is receiving training in an airship must receive and log supervised PIC flight training on the following maneuvers and procedures:
- (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;
- (9) Flight at various airspeeds from cruise to slow flight;
- (10) Emergency procedures and equipment malfunctions;
 - (11) Ground reference maneuvers;
- (12) Rigging, ballasting, controlling pressure in the ballonets, and superheating; and
- (13) Landings with positive and with negative static trim.
- (I) Maneuvers and procedures for supervised PIC flight training in a balloon. A student pilot who is receiving training in a balloon, must

- receive and log supervised PIC flight training on the following maneuvers and procedures:
 - (1) Layout and assembly procedures;
- (2) Proper flight preparation procedures including preflight planning and preparation and aircraft systems;
 - (3) Ascents and descents;
 - (4) Landing and recovery procedures;
- (5) Emergency procedures and equipment malfunctions;
- (6) Operation of hot air or gas source, ballast, valves, and rip panels, as appropriate;
- (7) Use of rip panel for simulating an emergency;
- (8) The effects of wind on climb and approach angles; and
- (9) Obstruction detection and avoidance techniques.
- (m) Limitations on student pilots operating an aircraft in supervised PIC flight at night. A student pilot may not operate an aircraft in supervised PIC flight at night unless that student pilot has 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 supervised PIC flight will be conducted;
- (2) Navigation training at night in the vicinity of the airport where the supervised PIC flight will be conducted;
- (3) An endorsement in the student's logbook for the specific make and model aircraft to be flown for night supervised PIC flight, by the flight instructor who gave the training; and
- (4) An endorsement in the student's logbook, for the specific make and model aircraft to be flown for night supervised PIC flight, by the flight instructor who gave the training within the 90-day period preceding the date of the flight.
- (n) Limitations on student pilots operating an aircraft in supervised PIC flight. Student pilots may not operate an aircraft in supervised PIC flight unless they have:
- (1) Had their student pilot certificate endorsed, for the specific make and model aircraft to be flown, by the flight instructor who gave the training; and
- (2) Received a logbook endorsement, for the specific make and model aircraft to be flown, by the flight instructor who gave the training within the 90 days preceding the date of the flight had.
- (o) Limitations on flight instructors authorizing supervised PIC flight.
- (1) No flight instructor may authorize a student pilot to perform a supervised PIC flight unless that flight instructor has:
- (i) Given that student pilot training in the aircraft in which the supervised PIC flight is to be flown;

- (ii) Determined the student pilot is proficient on the maneuvers and procedures prescribed in this section;
- (iii) Determined the student pilot is proficient in the make and model of aircraft to be flown;
- (iv) Endorsed the student pilot's certificate for the specific make and model aircraft to be flown; and
- (iv) Endorsed the student pilot's logbook for the specific make and model aircraft to be flown, and that endorsement remains current for supervised PIC flight privileges, provided the flight instructor updates the student's logbook every 90 days thereafter.
- (2) The flight training required by this section must be given by an authorized flight instructor who is appropriately rated and current.

§61.89 General limitations.

- (a) 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, except a student pilot may make supervised PIC training flights from Haines, Gustavus, or Juneau, Alaska to White Horse, Yukon, Canada and return, over the province of British Columbia;
- (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; and
- (8) In a manner contrary to any limitations placed in the pilot's logbook by the instructor.
- (b) 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 flight instructor on board an airship and no person other than a required flight crewmember is carried on the aircraft.

§ 61.91 [Reserved.]

§ 61.93 Supervised pilot in command cross-country flight requirements.

- (a) General.
- (1) Except as provided in paragraph (b) of this section, a student pilot must meet the requirements of this section before:
- (i) Conducting a supervised PIC crosscountry flight, or any flight, greater than 25 nautical miles from the airport from where the flight originated.