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END QPS REQUIREMENTS

EFFECTIVE DATE NOTE: By Doc. No. FAA–2002–12461, 71 FR 63426, Oct. 30, 2006, part 60 was added, effective Oct. 30, 2007.

**PART 61—CERTIFICATION: PILOTS, FLIGHT INSTRUCTORS, AND GROUND INSTRUCTORS**

SPECIAL FEDERAL AVIATION REGULATION NO. 73

SPECIAL FEDERAL AVIATION REGULATION NO. 93

SPECIAL FEDERAL AVIATION REGULATION NO. 100–1

**Subpart A—General**

Sec.

- 61.1 Applicability and definitions.
- 61.3 Requirement for certificates, ratings, and authorizations.
- 61.4 Qualification and approval of flight simulators and flight training devices.
- 61.5 Certificates and ratings issued under this part.
- 61.7 Obsolete certificates and ratings.
- 61.9 [Reserved]
- 61.11 Expired pilot certificates and reissuance.
- 61.13 Issuance of airman certificates, ratings, and authorizations.
- 61.14 Refusal to submit to a drug or alcohol test.
- 61.15 Offenses involving alcohol or drugs.
- 61.16 Refusal to submit to an alcohol test or to furnish test results.
- 61.17 Temporary certificate.
- 61.18 Security disqualification.
- 61.19 Duration of pilot and instructor certificates.
- 61.21 Duration of a Category II and a Category III pilot authorization (for other than part 121 and part 135 use).
- 61.23 Medical certificates: Requirement and duration.
- 61.25 Change of name.
- 61.27 Voluntary surrender or exchange of certificate.
- 61.29 Replacement of a lost or destroyed airman or medical certificate or knowledge test report.
- 61.31 Type rating requirements, additional training, and authorization requirements.
- 61.33 Tests: General procedure.
- 61.35 Knowledge test: Prerequisites and passing grades.
- 61.37 Knowledge tests: Cheating or other unauthorized conduct.
- 61.39 Prerequisites for practical tests.
- 61.41 Flight training received from flight instructors not certificated by the FAA.

- 61.43 Practical tests: General procedures.
- 61.45 Practical tests: Required aircraft and equipment.
- 61.47 Status of an examiner who is authorized by the Administrator to conduct practical tests.
- 61.49 Retesting after failure.
- 61.51 Pilot logbooks.
- 61.52 Use of aeronautical experience obtained in ultralight vehicles.
- 61.53 Prohibition on operations during medical deficiency.
- 61.55 Second-in-command qualifications.
- 61.56 Flight review.
- 61.57 Recent flight experience: Pilot in command.
- 61.58 Pilot-in-command proficiency check: Operation of aircraft requiring more than one pilot flight crewmember.
- 61.59 Falsification, reproduction, or alteration of applications, certificates, logbooks, reports, or records.
- 61.60 Change of address.

**Subpart B—Aircraft Ratings and Pilot Authorizations**

- 61.61 Applicability.
- 61.63 Additional aircraft ratings (other than on an airline transport pilot certificate).
- 61.64 [Reserved]
- 61.65 Instrument rating requirements.
- 61.67 Category II pilot authorization requirements.
- 61.68 Category III pilot authorization requirements.
- 61.69 Glider and unpowered ultralight vehicle towing: Experience and training requirements.
- 61.71 Graduates of an approved training program other than under this part: Special rules.
- 61.73 Military pilots or former military pilots: Special rules.
- 61.75 Private pilot certificate issued on the basis of a foreign pilot license.
- 61.77 Special purpose pilot authorization: Operation of U.S.-registered civil aircraft leased by a person who is not a U.S. citizen.

**Subpart C—Student Pilots**

- 61.81 Applicability.
- 61.83 Eligibility requirements for student pilots.
- 61.85 Application.
- 61.87 Solo requirements for student pilots.
- 61.89 General limitations.
- 61.91 [Reserved]
- 61.93 Solo cross-country flight requirements.
- 61.94 Student pilot seeking a sport pilot certificate or a recreational pilot certificate: Operations at airports within, and in airspace located within, Class B, C, and D airspace, or at airports with an

operational control tower in other airspace.

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

#### Subpart D—Recreational Pilots

- 61.96 Applicability and eligibility requirements: General.  
 61.97 Aeronautical knowledge.  
 61.98 Flight proficiency.  
 61.99 Aeronautical experience.  
 61.100 Pilots based on small islands.  
 61.101 Recreational pilot privileges and limitations.

#### Subpart E—Private Pilots

- 61.102 Applicability.  
 61.103 Eligibility requirements: General.  
 61.105 Aeronautical knowledge.  
 61.107 Flight proficiency.  
 61.109 Aeronautical experience.  
 61.110 Night flying exceptions.  
 61.111 Cross-country flights: Pilots based on small islands.  
 61.113 Private pilot privileges and limitations: Pilot in command.  
 61.115 Balloon rating: Limitations.  
 61.117 Private pilot privileges and limitations: Second in command of aircraft requiring more than one pilot.  
 61.118–61.120 [Reserved]

#### Subpart F—Commercial Pilots

- 61.121 Applicability.  
 61.123 Eligibility requirements: General.  
 61.125 Aeronautical knowledge.  
 61.127 Flight proficiency.  
 61.129 Aeronautical experience.  
 61.131 Exceptions to the night flying requirements.  
 61.133 Commercial pilot privileges and limitations.  
 61.135–61.141 [Reserved]

#### Subpart G—Airline Transport Pilots

- 61.151 Applicability.  
 61.153 Eligibility requirements: General.  
 61.155 Aeronautical knowledge.  
 61.157 Flight proficiency.  
 61.158 [Reserved]  
 61.159 Aeronautical experience: Airplane category rating.  
 61.161 Aeronautical experience: Rotorcraft category and helicopter class rating.  
 61.163 Aeronautical experience: Powered-lift category rating.  
 61.165 Additional aircraft category and class ratings.  
 61.167 Privileges.  
 61.169–61.171 [Reserved]

#### Subpart H—Flight Instructors Other Than Flight Instructors With a Sport Pilot Rating

- 61.181 Applicability.  
 61.183 Eligibility requirements.  
 61.185 Aeronautical knowledge.  
 61.187 Flight proficiency.  
 61.189 Flight instructor records.  
 61.191 Additional flight instructor ratings.  
 61.193 Flight instructor privileges.  
 61.195 Flight instructor limitations and qualifications.  
 61.197 Renewal of flight instructor certificates.  
 61.199 Expired flight instructor certificates and ratings.  
 61.201 [Reserved]

#### Subpart I—Ground Instructors

- 61.211 Applicability.  
 61.213 Eligibility requirements.  
 61.215 Ground instructor privileges.  
 61.217 Recent experience requirements.

#### Subpart J—Sport Pilots

- 61.301 What is the purpose of this subpart and to whom does it apply?  
 61.303 If I want to operate a light-sport aircraft, what operating limits and endorsement requirements in this subpart must I comply with?  
 61.305 What are the age and language requirements for a sport pilot certificate?  
 61.307 What tests do I have to take to obtain a sport pilot certificate?  
 61.309 What aeronautical knowledge must I have to apply for a sport pilot certificate?  
 61.311 What flight proficiency requirements must I meet to apply for a sport pilot certificate?  
 61.313 What aeronautical experience must I have to apply for a sport pilot certificate?  
 61.315 What are the privileges and limits of my sport pilot certificate?  
 61.317 Is my sport pilot certificate issued with aircraft category and class ratings?  
 61.319 Can I operate a make and model of aircraft other than the make and model for which I have received an endorsement?  
 61.321 How do I obtain privileges to operate an additional category or class of light-sport aircraft?  
 61.323 How do I obtain privileges to operate a make and model of light-sport aircraft in the same category and class within a different set of aircraft?  
 61.325 How do I obtain privileges to operate a light-sport aircraft at an airport within, or in airspace within, Class B, C, and D airspace, or in other airspace with an airport having an operational control tower?

- 61.327 How do I obtain privileges to operate a light-sport aircraft that has a  $V_H$  greater than 87 knots CAS?
- 61.329 Are there special provisions for obtaining a sport pilot certificate for persons who are registered ultralight pilots with an FAA-recognized ultralight organization?

#### Subpart K—Flight Instructors With a Sport Pilot Rating

- 61.401 What is the purpose of this subpart?
- 61.403 What are the age, language, and pilot certificate requirements for a flight instructor certificate with a sport pilot rating?
- 61.405 What tests do I have to take to obtain a flight instructor certificate with a sport pilot rating?
- 61.407 What aeronautical knowledge must I have to apply for a flight instructor certificate with a sport pilot rating?
- 61.409 What flight proficiency requirements must I meet to apply for a flight instructor certificate with a sport pilot rating?
- 61.411 What aeronautical experience must I have to apply for a flight instructor certificate with a sport pilot rating?
- 61.413 What are the privileges of my flight instructor certificate with a sport pilot rating?
- 61.415 What are the limits of a flight instructor certificate with a sport pilot rating?
- 61.417 Will my flight instructor certificate with a sport pilot rating list aircraft category and class ratings?
- 61.419 How do I obtain privileges to provide training in an additional category or class of light-sport aircraft?
- 61.421 May I give myself an endorsement?
- 61.423 What are the recordkeeping requirements for a flight instructor with a sport pilot rating?
- 61.425 How do I renew my flight instructor certificate?
- 61.427 What must I do if my flight instructor certificate with a sport pilot rating expires?
- 61.429 May I exercise the privileges of a flight instructor certificate with a sport pilot rating if I hold a flight instructor certificate with another rating?
- 61.431 Are there special provisions for obtaining a flight instructor certificate with a sport pilot rating for persons who are registered ultralight instructors with an FAA-recognized ultralight organization?

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#### SPECIAL FEDERAL AVIATION REGULATION NO. 73—ROBINSON R-22/R-44 SPECIAL TRAINING AND EXPERIENCE REQUIRE- MENTS

##### Sections

1. Applicability.
2. Required training, aeronautical experience, endorsements, and flight review.
3. Expiration date.
  1. Applicability. Under the procedures prescribed herein, this SFAR applies to all persons who seek to manipulate the controls or act as pilot in command of a Robinson model R-22 or R-44 helicopter. The requirements stated in this SFAR are in addition to the current requirements of part 61.
  2. Required training, aeronautical experience, endorsements, and flight review.
    - (a) Awareness Training:
      - (1) Except as provided in paragraph (a)(2) of this section, no person may manipulate the controls of a Robinson model R-22 or R-44 helicopter after March 27, 1995, for the purpose of flight unless the awareness training specified in paragraph (a)(3) of this section is completed and the person's logbook has been endorsed by a certified flight instructor authorized under paragraph (b)(5) of this section.
      - (2) A person who holds a rotorcraft category and helicopter class rating on that person's pilot certificate and meets the experience requirements of paragraph (b)(1) or paragraph (b)(2) of this section may not manipulate the controls of a Robinson model R-22 or R-44 helicopter for the purpose of flight after April 26, 1995, unless the awareness training specified in paragraph (a)(3) of this section is completed and the person's logbook has been endorsed by a certified flight instructor authorized under paragraph (b)(5) of this section.
      - (3) Awareness training must be conducted by a certified flight instructor who has been endorsed under paragraph (b)(5) of this section and consists of instruction in the following general subject areas:
        - (i) Energy management;
        - (ii) Mast bumping;
        - (iii) Low rotor RPM (blade stall);
        - (iv) Low G hazards; and
        - (v) Rotor RPM decay.
      - (4) A person who can show satisfactory completion of the manufacturer's safety course after January 1, 1994, may obtain an endorsement from an FAA aviation safety inspector in lieu of completing the awareness training required in paragraphs (a)(1) and (a)(2) of this section.
    - (b) Aeronautical Experience:
      - (1) No person may act as pilot in command of a Robinson model R-22 unless that person:
        - (i) Has had at least 200 flight hours in helicopters, at least 50 flight hours of which were in the Robinson R-22; or

(ii) Has had at least 10 hours dual instruction in the Robinson R-22 and has received an endorsement from a certified flight instructor authorized under paragraph (b)(5) of this section that the individual has been given the training required by this paragraph and is proficient to act as pilot in command of an R-22. Beginning 12 calendar months after the date of the endorsement, the individual may not act as pilot in command unless the individual has completed a flight review in an R-22 within the preceding 12 calendar months and obtained an endorsement for that flight review. The dual instruction must include at least the following abnormal and emergency procedures flight training:

(A) Enhanced training in autorotation procedures,

(B) Engine rotor RPM control without the use of the governor,

(C) Low rotor RPM recognition and recovery, and

(D) Effects of low G maneuvers and proper recovery procedures.

(2) No person may act as pilot in command of a Robinson R-44 unless that person—

(i) Has had at least 200 flight hours in helicopters, at least 50 flight hours of which were in the Robinson R-44. The pilot in command may credit up to 25 flight hours in the Robinson R-22 toward the 50 hour requirement in the Robinson R-44; or

(ii) Has had at least 10 hours dual instruction in a Robinson helicopter, at least 5 hours of which must have been accomplished in the Robinson R-44 helicopter and has received an endorsement from a certified flight instructor authorized under paragraph (b)(5) of this section that the individual has been given the training required by this paragraph and is proficient to act as pilot in command of an R-44. Beginning 12 calendar months after the date of the endorsement, the individual may not act as pilot in command unless the individual has completed a flight review in a Robinson R-44 within the preceding 12 calendar months and obtained an endorsement for that flight review. The dual instruction must include at least the following abnormal and emergency procedures flight training—

(A) Enhanced training in autorotation procedures;

(B) Engine rotor RPM control without the use of the governor;

(C) Low rotor RPM recognition and recovery; and

(D) Effects of low G maneuvers and proper recovery procedures.

(3) A person who does not hold a rotorcraft category and helicopter class rating must have had at least 20 hours of dual instruction in a Robinson R-22 helicopter prior to operating it in solo flight. In addition, the person must obtain an endorsement from a certified flight instructor authorized under paragraph

(b)(5) of this section that instruction has been given in those maneuvers and procedures, and the instructor has found the applicant proficient to solo a Robinson R-22. This endorsement is valid for a period of 90 days. The dual instruction must include at least the following abnormal and emergency procedures flight training:

(i) Enhanced training in autorotation procedures,

(ii) Engine rotor RPM control without the use of the governor,

(iii) Low rotor RPM recognition and recovery, and

(iv) Effects of low G maneuvers and proper recovery procedures.

(4) A person who does not hold a rotorcraft category and helicopter class rating must have had at least 20 hours of dual instruction in a Robinson R-44 helicopter prior to operating it in solo flight. In addition, the person must obtain an endorsement from a certified flight instructor authorized under paragraph (b)(5) of this section that instruction has been given in those maneuvers and procedures, and the instructor has found the applicant proficient to solo a Robinson R-44. This endorsement is valid for a period of 90 days. The dual instruction must include at least the following abnormal and emergency procedures flight training:

(i) Enhanced training in autorotation procedures,

(ii) Engine rotor RPM control without the use of the governor,

(iii) Low rotor RPM recognition and recovery, and

(iv) Effects of low G maneuvers and proper recovery procedures.

(5) No certificated flight instructor may provide instruction or conduct a flight review in a Robinson R-22 or R-44 unless that instructor—

(i) Completes the awareness training in paragraph 2(a) of this SFAR.

(ii) For the Robinson R-22, has had at least 200 flight hours in helicopters, at least 50 flight hours of which were in the Robinson R-22, or for the Robinson R-44, has had at least 200 flight hours in helicopters, 50 flight hours of which were in Robinson helicopters. Up to 25 flight hours of Robinson R-22 flight time may be credited toward the 50 hour requirement.

(iii) Has completed flight training in a Robinson R-22, R-44, or both, on the following abnormal and emergency procedures—

(A) Enhanced training in autorotation procedures;

(B) Engine rotor RPM control without the use of the governor;

(C) Low rotor RPM recognition and recovery; and

(D) Effects of low G maneuvers and proper recovery procedures.

(iv) Has been authorized by endorsement from an FAA aviation safety inspector or authorized designated examiner that the instructor has completed the appropriate training, meets the experience requirements and has satisfactorily demonstrated an ability to provide instruction on the general subject areas of paragraph 2(a)(3) of this SFAR, and the flight training identified in paragraph 2(b)(5)(iii) of this SFAR.

(c) Flight Review:

(1) No flight review completed to satisfy §61.56 by an individual after becoming eligible to function as pilot in command in a Robinson R-22 helicopter shall be valid for the operation of R-22 helicopter unless that flight review was taken in an R-22.

(2) No flight review completed to satisfy §61.56 by individual after becoming eligible to function as pilot in command in a Robinson R-44 helicopter shall be valid for the operation of R-44 helicopter unless that flight review was taken in the R-44.

(3) The flight review will include a review of the awareness training subject areas of paragraph 2(a)(3) of this SFAR and the flight training identified in paragraph 2(b) of this SFAR.

(d) Currency Requirements: No person may act as pilot in command of a Robinson model R-22 or R-44 helicopter carrying passengers unless the pilot in command has met the recency of flight experience requirements of §61.57 in an R-22 or R-44, as appropriate.

3. *Expiration date.* This SFAR terminates on March 31, 2008, unless sooner superceded or rescinded.

[Doc. No. 25910, 62 FR 16298, Apr. 4, 1997, as amended by SFAR 73-1, 63 FR 666, Jan. 7, 1998; 68 FR 43, Jan. 2, 2003]

SPECIAL FEDERAL AVIATION REGULATION  
NO. 93—TEMPORARY EXTENSION OF  
TIME TO ALLOW FOR CERTAIN TRAINING  
AND TESTING

1. *Applicability.* This SFAR applies to all part 121 and 135 check airmen (simulator) and flight instructors (simulator), part 121 aircraft dispatchers, and part 142 training center instructors who were required to complete qualification requirements, an inflight line observation program, or operating familiarization in September 2001 to become qualified, or remain qualified, to perform their assigned duties. It also applies to persons who have satisfactorily accomplished the part 61 aeronautical knowledge test or the part 63 written test, either one of which has an expiration date of September 2001 for pilot, flight instructor, or flight engineer certification.

2. *Special Qualification Requirements.* The sections of 14 CFR that prescribes these requirements are sections 61.39(a)(1); 63.35(d);

121.411(f); 121.412(f); 121.463(a)(2); 121.463(c); 135.337(f); 135.338(f); 142.53(b)(2) and (b)(3).

3. *Extension of Time to Fulfill Certain Qualification Requirements.* Persons identified in paragraph 1 of this SFAR who had until the end of September 2001 to complete the specified qualification requirements in September 2001 will be deemed to have completed those requirements in September 2001 provided they satisfactorily complete those requirements by November 30, 2001. For those persons identified in paragraph 1, who are qualifying for the first time to be a check airmen (simulator), flight instructor (simulator), aircraft dispatcher, or training center instructor, they must fulfill the applicable qualification requirements before they may serve as a check airmen (simulator), flight instructor (simulator), aircraft dispatcher, or training center instructor, as appropriate. This extension does not change the 12-calendar-month requirement for aircraft dispatchers or the anniversary month for check airmen, flight instructors and training center instructors. Therefore, if you were due for qualification in September 2001 you will be due for qualification September 2002, regardless of this extension for 2001.

4. *Termination Date.* This Special Federal Aviation Regulation expires November 30, 2001.

[Doc. No. FAA-2001-10797, 66 FR 52279, Oct. 12, 2001]

SPECIAL FEDERAL AVIATION REGULATION  
NO. 100-1—RELIEF FOR U.S. MILITARY  
AND CIVILIAN PERSONNEL WHO  
ARE ASSIGNED OUTSIDE THE UNITED  
STATES IN SUPPORT OF U.S. ARMED  
FORCES OPERATIONS

1. *Applicability.* Flight Standards District Offices are authorized to accept from an eligible person, as described in paragraph 2 of this SFAR, the following:

(a) An expired flight instructor certificate to show eligibility for renewal of a flight instructor certificate under §61.197, or an expired written test report to show eligibility under part 61 to take a practical test;

(b) An expired written test report to show eligibility under §§63.33 and 63.57 to take a practical test; and

(c) An expired written test report to show eligibility to take a practical test required under part 65 or an expired inspection authorization to show eligibility for renewal under §65.93.

2. *Eligibility.* A person is eligible for the relief described in paragraph 1 of this SFAR if:

(a) The person served in a U.S. military or civilian capacity outside the United States in support of the U.S. Armed Forces' operation during some period of time from September 11, 2001, through June 20, 2010;

(b) The person's flight instructor certificate, airman written test report, or inspection authorization expired some time between September 11, 2001, and 6 calendar months after returning to the United States, or June 20, 2010, whichever is earlier; and

(c) The person complies with §§61.197 or 65.93 of this chapter, as appropriate, or completes the appropriate practical test within 6 calendar months after returning to the United States, or June 20, 2010, whichever is earlier.

3. *Required documents.* The person must send the Airman Certificate and/or Rating Application (FAA Form 8710-1) to the appropriate Flight Standards District Office. The person must include with the application one of the following documents, which must show the date of assignment outside the United States and the date of return to the United States:

(a) An official U.S. Government notification of personnel action, or equivalent document, showing the person was a civilian on official duty for the U.S. Government outside the United States and was assigned to a U.S. Armed Forces' operation some time between September 11, 2001, through June 20, 2010;

(b) Military orders showing the person was assigned to duty outside the United States and was assigned to a U.S. Armed Forces' operation some time between September 11, 2001 through June 20, 2010; or

(c) A letter from the person's military commander or civilian supervisor providing the dates during which the person served outside the United States and was assigned to a U.S. Armed Forces' operation some time between September 11, 2001 through June 20, 2010.

4. *Expiration date.* This Special Federal Aviation Regulation No.100-1 expires June 20, 2010, unless sooner superseded or rescinded.

[Doc. No. FAA-2005-15431, 70 FR 37948, June 30, 2005]

EFFECTIVE DATE NOTE: By Doc. No. FAA-2005-15431, 70 FR 37948, June 30, 2005, SFAR No. 100-1 was added, effective June 30, 2005 through June 20, 2010.

## Subpart A—General

### §61.1 Applicability and definitions.

(a) This part prescribes:

(1) The requirements for issuing pilot, flight instructor, and ground instructor certificates and ratings; the conditions under which those certificates and ratings are necessary; and the privileges and limitations of those certificates and ratings.

(2) The requirements for issuing pilot, flight instructor, and ground instructor authorizations; the conditions under which those authorizations are necessary; and the privileges and limitations of those authorizations.

(3) The requirements for issuing pilot, flight instructor, and ground instructor certificates and ratings for persons who have taken courses approved by the Administrator under other parts of this chapter.

(b) For the purpose of this part:

(1) *Aeronautical experience* means pilot time obtained in an aircraft, flight simulator, or flight training device for meeting the appropriate training and flight time requirements for an airman certificate, rating, flight review, or recency of flight experience requirements of this part.

(2) *Authorized instructor* means—

(i) A person who holds a valid ground instructor certificate issued under part 61 or part 143 of this chapter when conducting ground training in accordance with the privileges and limitations of his or her ground instructor certificate;

(ii) A person who holds a current flight instructor certificate issued under part 61 of this chapter when conducting ground training or flight training in accordance with the privileges and limitations of his or her flight instructor certificate; or

(iii) A person authorized by the Administrator to provide ground training or flight training under SFAR No. 58, or part 61, 121, 135, or 142 of this chapter when conducting ground training or flight training in accordance with that authority.

(3) *Cross-country time* means—

(i) Except as provided in paragraphs (b)(3)(ii) through (b)(3)(vi) of this section, time acquired during flight—

(A) Conducted by a person who holds a pilot certificate;

(B) Conducted in an aircraft;

(C) That includes a landing at a point other than the point of departure; and

(D) That involves the use of dead reckoning, pilotage, electronic navigation aids, radio aids, or other navigation systems to navigate to the landing point.

(ii) For the purpose of meeting the aeronautical experience requirements

## §61.1

## 14 CFR Ch. I (1–1–07 Edition)

(except for a rotorcraft category rating), for a private pilot certificate (except for a powered parachute category rating), a commercial pilot certificate, or an instrument rating, or for the purpose of exercising recreational pilot privileges (except in a rotorcraft) under §61.101 (c), time acquired during a flight—

(A) Conducted in an appropriate aircraft;

(B) That includes a point of landing that was at least a straight-line distance of more than 50 nautical miles from the original point of departure; and

(C) That involves the use of dead reckoning, pilotage, electronic navigation aids, radio aids, or other navigation systems to navigate to the landing point.

(iii) For the purpose of meeting the aeronautical experience requirements for a sport pilot certificate (except for powered parachute privileges), time acquired during a flight conducted in an appropriate aircraft that—

(A) Includes a point of landing at least a straight line distance of more than 25 nautical miles from the original point of departure; and

(B) Involves, as applicable, the use of dead reckoning; pilotage; electronic navigation aids; radio aids; or other navigation systems to navigate to the landing point.

(iv) For the purpose of meeting the aeronautical experience requirements for a sport pilot certificate with powered parachute privileges or a private pilot certificate with a powered parachute category rating, time acquired during a flight conducted in an appropriate aircraft that—

(A) Includes a point of landing at least a straight line distance of more than 15 nautical miles from the original point of departure; and

(B) Involves, as applicable, the use of dead reckoning; pilotage; electronic navigation aids; radio aids; or other navigation systems to navigate to the landing point.

(v) For the purpose of meeting the aeronautical experience requirements for any pilot certificate with a rotorcraft category rating or an instrument-helicopter rating, or for the purpose of exercising recreational pilot privileges,

in a rotorcraft, under §61.101(c), time acquired during a flight—

(A) Conducted in an appropriate aircraft;

(B) That includes a point of landing that was at least a straight-line distance of more than 25 nautical miles from the original point of departure; and

(C) That involves the use of dead reckoning, pilotage, electronic navigation aids, radio aids, or other navigation systems to navigate to the landing point.

(vi) For the purpose of meeting the aeronautical experience requirements for an airline transport pilot certificate (except with a rotorcraft category rating), time acquired during a flight—

(A) Conducted in an appropriate aircraft;

(B) That is at least a straight-line distance of more than 50 nautical miles from the original point of departure; and

(C) That involves the use of dead reckoning, pilotage, electronic navigation aids, radio aids, or other navigation systems.

(vii) For a military pilot who qualifies for a commercial pilot certificate (except with a rotorcraft category rating) under §61.73 of this part, time acquired during a flight—

(A) Conducted in an appropriate aircraft;

(B) That is at least a straight-line distance of more than 50 nautical miles from the original point of departure; and

(C) That involves the use of dead reckoning, pilotage, electronic navigation aids, radio aids, or other navigation systems.

(4) *Examiner* means any person who is authorized by the Administrator to conduct a pilot proficiency test or a practical test for an airman certificate or rating issued under this part, or a person who is authorized to conduct a knowledge test under this part.

(5) *Flight simulator* means a device that—

(i) Is a full-size aircraft cockpit replica of a specific type of aircraft, or make, model, and series of aircraft;

(ii) Includes the hardware and software necessary to represent the aircraft in ground operations and flight operations;

(iii) Uses a force cueing system that provides cues at least equivalent to those cues provided by a 3 degree freedom of motion system;

(iv) Uses a visual system that provides at least a 45 degree horizontal field of view and a 30 degree vertical field of view simultaneously for each pilot; and

(v) Has been evaluated, qualified, and approved by the Administrator.

(6) *Flight training* means that training, other than ground training, received from an authorized instructor in flight in an aircraft.

(7) *Flight training device* means a device that—

(i) Is a full-size replica of the instruments, equipment, panels, and controls of an aircraft, or set of aircraft, in an open flight deck area or in an enclosed cockpit, including the hardware and software for the systems installed, that is necessary to simulate the aircraft in ground and flight operations;

(ii) Need not have a force (motion) cueing or visual system; and

(iii) Has been evaluated, qualified, and approved by the Administrator.

(8) *Ground training* means that training, other than flight training, received from an authorized instructor.

(9) *Instrument approach* means an approach procedure defined in part 97 of this chapter.

(10) *Instrument training* means that time in which instrument training is received from an authorized instructor under actual or simulated instrument conditions.

(11) *Knowledge test* means a test on the aeronautical knowledge areas required for an airman certificate or rating that can be administered in written form or by a computer.

(12) *Pilot time* means that time in which a person—

(i) Serves as a required pilot flight crewmember;

(ii) Receives training from an authorized instructor in an aircraft, flight simulator, or flight training device; or

(iii) Gives training as an authorized instructor in an aircraft, flight simulator, or flight training device.

(13) *Practical test* means a test on the areas of operations for an airman certificate, rating, or authorization that is conducted by having the applicant respond to questions and demonstrate maneuvers in flight, in a flight simulator, or in a flight training device.

(14) *Set of aircraft* means aircraft that share similar performance characteristics, such as similar airspeed and altitude operating envelopes, similar handling characteristics, and the same number and type of propulsion systems.

(15) *Student pilot seeking a sport pilot certificate* means a person who has received an endorsement—

(i) To exercise student pilot privileges from a certificated flight instructor with a sport pilot rating; or

(ii) That includes a limitation for the operation of a light-sport aircraft specified in § 61.89(c) issued by a certificated flight instructor with other than a sport pilot rating.

(16) *Training time* means training received—

(i) In flight from an authorized instructor;

(ii) On the ground from an authorized instructor; or

(iii) In a flight simulator or flight training device from an authorized instructor.

[Doc. No. 25910, 62 FR 16298, Apr. 4, 1997; Amdt. 61-103, 62 FR 40893, July 30, 1997; Amdt. 61-110, 69 FR 44864, July 27, 2004]

### § 61.3 Requirement for certificates, ratings, and authorizations.

(a) *Pilot certificate*. A person may not act as pilot in command or in any other capacity as a required pilot flight crewmember of a civil aircraft of U.S. registry, unless that person—

(1) Has a valid pilot certificate or special purpose pilot authorization issued under this part in that person's physical possession or readily accessible in the aircraft when exercising the privileges of that pilot certificate or authorization. However, when the aircraft is operated within a foreign country, a current pilot license issued by the country in which the aircraft is operated may be used; and

(2) Has a photo identification that is in that person's physical possession or readily accessible in the aircraft when