

Text of rule changes on following pages.

The additions and revisions read as follows:

§61.1 Applicability and definitions.

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(b) * * *

Accredited has the same meaning as defined by the Department of Education in 34 CFR 600.2.

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Authorized instructor means—

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(iii) A person authorized by the Administrator to provide ground training or flight training under part 61, 121, 135, or 142 of this chapter when conducting ground training or flight training in accordance with that authority.

(4) Cross-country time means— (i) Except as provided in subparagraphs (ii) through (vi) of this paragraph, 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 (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.

* * * * *

Institution of higher education has the same meaning as defined by the Department of Education in 34 C.F.R. 600.4.

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Nationally recognized accrediting agency has the same meaning as defined by the Department of Education in 34 CFR 600.2.

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§ 61.23 Medical certificates: Requirement and duration.

(a) * * *

(1) Must hold a first-class medical certificate:

(i) When exercising the pilot-in-command privileges of an airline transport pilot certificate;

(ii) When exercising the second-in-command privileges of an airline transport pilot certificate in a flag or supplemental operation in part 121 of this chapter that requires three or more pilots; or

(iii) When serving as a required pilot flightcrew member in an operation conducted under part 121 of this chapter if the pilot has reached his or her 60th birthday.

(2) Must hold at least a second class medical certificate when exercising:

(i) Second-in-command privileges of an airline transport pilot certificate in part 121 of this chapter (other than operations specified in paragraph (a)(1)(ii)); or

(ii) Privileges of a commercial pilot certificate; or

* * * * *

(d) *Duration of a medical certificate.* Use the following table to determine duration for each class of medical certificate:

If you hold	And on the date of examination for your most recent medical certificate you were	And you are conducting an operation requiring	Then your medical certificate expires, for that operation, at the end of the last day of the
(1) A first-class medical certificate	(i) Under age 40	an airline transport pilot certificate: A. for pilot-in-command privileges, or B. for second-in-command privileges in a flag or supplemental operation in part 121 requiring three or more pilots	12th month after the month of the date of examination shown on the medical certificate.
	(ii) Age 40 or older	an airline transport pilot certificate: A. for pilot-in-command privileges, B. for second-in-command privileges in a flag or supplemental operation in part 121 requiring three or more pilots, or C. for a pilot flightcrew member in part 121 operations who has reached his or her 60th birthday.	6th month after the month of the date of examination shown on the medical certificate.
* * * * *			
(2) A second-class medical certificate	(i) Any age	an airline transport pilot certificate for second-in-command privileges (other than the operations specified in paragraph (d)(1)), a commercial pilot certificate, or an air traffic control tower operator certificate	12th month after the month of the date of examination shown on the medical certificate.
* * * * *			

4. Amend §61.35 by removing the word “and” at the end of paragraph (a)(1), redesignating paragraph (a)(2) as paragraph (a)(3), adding a new paragraph (a)(2), and revising redesignated paragraph (a)(3) to read as follows:

§61.35 Knowledge test: Prerequisites and passing grades.

(a) * * *

(2) After July 31, 2014, for the knowledge test for an airline transport pilot certificate with an airplane category multiengine class rating, a graduation certificate for the airline transport pilot certification training program specified in §61.156; and

(3) Proper identification at the time of application that contains the applicant's—

(i) Photograph;

(ii) Signature;

(iii) Date of birth, which shows:

(A) For issuance of certificates other than the ATP certificate with an airplane category multiengine class rating, the applicant meets or will meet the age requirements of this part for the certificate sought before the expiration date of the airman knowledge test report;

(B) Prior to August 1, 2014, for issuance of an ATP certificate with an airplane category multiengine class rating under the aeronautical experience requirements of §§ 61.159 or 61.160, the applicant is at least 21 years of age at the time of the knowledge test; and

(C) After July 31, 2014, for issuance of an ATP certificate with an airplane category multiengine class rating obtained under the aeronautical experience requirements of §§ 61.159 or 61.160, the applicant is at least 18 years of age at the time of the knowledge test;

(iv) If the permanent mailing address is a post office box number, then the applicant must provide a current residential address.

* * * * *

5. Amend §61.39 to revise paragraphs (a) and (b); redesignate paragraphs (c) through (e) as paragraphs (e) through (g); and add paragraphs (c) and (d) to read as follows:

§ 61.39 Prerequisites for practical tests.

(a) Except as provided in paragraphs (b), (c), and (e) of this section, to be eligible for a practical test for a certificate or rating issued under this part, an applicant must:

(1) Pass the required knowledge test:

(i) Within the 24-calendar-month period preceding the month the applicant completes the practical test, if a knowledge test is required; or

(ii) Within the 60-calendar month period preceding the month the applicant completes the practical test for those applicants who complete the airline transport pilot certification training program in § 61.156 and pass the knowledge test for an airline transport pilot certificate with a multiengine class rating after July 31, 2014;

(2) Present the knowledge test report at the time of application for the practical test, if a knowledge test is required;

(3) Have satisfactorily accomplished the required training and obtained the aeronautical experience prescribed by this part for the certificate or rating sought;

(4) Hold at least a third-class medical certificate, if a medical certificate is required;

(5) Meet the prescribed age requirement of this part for the issuance of the certificate or rating sought;

(6) Have an endorsement, if required by this part, in the applicant's logbook or training record that has been signed by an authorized instructor who certifies that the applicant—

(i) Has received and logged training time within 2 calendar months preceding the month of application in preparation for the practical test;

(ii) Is prepared for the required practical test; and

(iii) Has demonstrated satisfactory knowledge of the subject areas in which the applicant was deficient on the airman knowledge test; and

(7) Have a completed and signed application form.

(b) An applicant for an airline transport pilot certificate with an airplane category multiengine class rating or an airline transport pilot certificate with an airplane type rating may take the practical test with an expired knowledge test only if the applicant passed the knowledge test after July 31, 2014, and is employed:

(1) As a flightcrew member by a part 119 certificate holder conducting operations under parts 125 or 135 of this chapter at the time of the practical test and has satisfactorily accomplished that operator's approved pilot-in-command training or checking program; or

(2) As a flightcrew member by a part 119 certificate holder conducting operations under part 121 of this chapter at the time of the practical test and has satisfactorily accomplished that operator's approved initial training program; or

(3) By the U.S. Armed Forces as a flight crewmember in U.S. military air transport operations at the time of the practical test and has completed the pilot in command aircraft qualification training program that is appropriate to the pilot certificate and rating sought.

(c) An applicant for an airline transport pilot certificate with a rating other than those ratings set forth in paragraph (b) may take the practical test for that certificate or rating with an expired knowledge test report, provided that the applicant is employed:

(1) As a flightcrew member by a part 119 certificate holder conducting operations under parts 125 or 135 of this chapter at the time of the practical test and has satisfactorily accomplished that operator's approved pilot-in-command training or checking program; or

(2) By the U.S. Armed Forces as a flight crewmember in U.S. military air transport operations at the time of the practical test and has completed the pilot in command aircraft qualification training program that is appropriate to the pilot certificate and rating sought.

(d) In addition to the requirements in paragraph (a) of this section, to be eligible for a practical test for an airline transport pilot certificate with an airplane category multiengine class rating or airline transport pilot certificate obtained concurrently with an airplane type rating, an applicant must:

(1) If the applicant passed the knowledge test after July 31, 2014, present the graduation certificate for the airline transport pilot certification training program in §61.156, at the time of application for the practical test;

(2) If applying for the practical test under the aeronautical experience requirements of §61.160(a), the applicant must present the documents required by that section to substantiate eligibility; and

(3) If applying for the practical test under the aeronautical experience requirements of §61.160(b), (c), or (d), the applicant must present an official transcript and certifying document from an institution of higher education that holds a letter of authorization from the Administrator under §61.169.

* * * * *

6. Amend §61.55 by revising paragraph (a)(3) and by removing the phrase "part 121," from paragraph (e) introductory text to read as follows:

§61.55 Second-in-command qualifications.

(a) * * *

(3) At least a pilot type rating for the aircraft being flown unless the flight will be conducted as domestic flight operations within the United States airspace.

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7. Amend §61.57 by revising paragraph (e)(2) to read as follows:

§61.57 Recent flight experience: Pilot in command.

* * * * *

(e) * * *

(2) This section does not apply to a pilot in command who is employed by an air carrier certificated under part 121 or 135 and is engaged in a flight operation under part 91, 121, or 135 for that air carrier if the pilot is in compliance with §§121.435 or 121.436, as applicable, and §121.439, or §§135.243 and 135.247 of this chapter, as appropriate.

* * * * *

8. Amend §61.71 by revising paragraphs (b) and (c) to read as follows;

§61.71 Graduates of an approved training program other than under this part: Special rules.

* * * * *

(b) A person may apply for an airline transport pilot certificate, type rating, or both under this part, and will be considered to have met the applicable requirements under §61.157, except for the airline transport pilot certification training program required by §61.156, for that certificate and rating, if that person has:

- (1) Satisfactorily accomplished an approved training program and a proficiency check for that airplane type that includes all the tasks and maneuvers required to serve as pilot in command in accordance with the requirements of subparts N and O of part 121 of this chapter; and
- (2) Applied for an airline transport pilot certificate, type rating, or both within the 60-day period from the date the person satisfactorily accomplished the requirements of paragraph (b)(1) for that airplane type.

(c) A person who holds a foreign pilot license and is applying for an equivalent U.S. pilot certificate on the basis of a Bilateral Aviation Safety Agreement and associated Implementation Procedures for Licensing may be considered to have met the applicable aeronautical experience, aeronautical knowledge, and areas of operation requirements of this part.

9. Amend §61.153 as follows: A. Revise paragraph (a); B. Redesignate paragraphs (e) through (h) as paragraphs (f) through (i); and C. Add a new paragraph (e). The addition and revisions read as follows:

§61.153 Eligibility requirements: General.

* * * * *

(a) Meet the following age requirements:

(1) For an airline transport pilot certificate obtained under the aeronautical experience requirements of §§61.159, 61.161, or 61.163, be at least 23 years of age; or

(2) For an airline transport pilot certificate obtained under the aeronautical experience requirements of §61.160, be at least 21 years of age.

* * * * *

(e) After July 31, 2014, for an airline transport pilot certificate with an airplane category multiengine class rating or an airline transport pilot certificate obtained concurrently with an airplane type rating, receive a graduation certificate from an authorized training provider certifying completion of the airline transport pilot certification training program specified in §61.156 before applying for the knowledge test required by paragraph (g) of this section;

* * * * *

10. Amend §61.155 as follows: A. Remove the word “and” after the semicolon in paragraph (c)(12); B. Remove the period from the end of paragraph (c)(13) and add the phrase “; and” in its place; and C. Add paragraphs (c)(14) and (d). The additions read as follows:

§61.155 Aeronautical knowledge.

* * * * *

(c) * * *

(14) After July 31, 2014, for airplane category multiengine class rating or airplane type rating, the content of the airline transport pilot certification training program in §61.156.

(d) An applicant who successfully completes the knowledge test for an airline transport pilot certificate prior to August 1, 2014, must successfully complete the practical test within 24 months from the month in which the knowledge test was successfully completed. An applicant who passes the knowledge test prior to August 1, 2014, but fails to successfully complete the practical test within 24 months must complete the airline transport pilot certification training program specified in §61.156 and retake the knowledge test prior to applying for the practical test.

11. Add §61.156 to read as follows:

§61.156 Training Requirements: Airplane Category – Multiengine Class Rating or Airplane Type Rating Concurrently with Airline Transport Pilot Certificate

After July 31, 2014, a person who applies for the knowledge test for an airline transport pilot certificate with an airplane category multiengine class rating must present a graduation certificate from an authorized training provider under part 121, 135, 141, or 142 of this chapter certifying the applicant has completed the following training in a course approved by the Administrator.

(a) Academic training. The applicant for the knowledge test must receive at least 30 hours of classroom instruction that includes the following:

- (1) At least 8 hours of instruction on aerodynamics including high altitude operations;
- (2) At least 2 hours of instruction on meteorology, including adverse weather phenomena and weather detection systems; and
- (3) At least 14 hours of instruction on air carrier operations, including the following areas:
 - (i) physiology;
 - (ii) communications;
 - (iii) checklist philosophy;
 - (iv) operational control;
 - (v) minimum equipment list/configuration deviation list;
 - (vi) ground operations;
 - (vii) turbine engines;
 - (viii) transport category aircraft performance;
 - (ix) automation, navigation, and flight path warning systems.
- (4) At least 6 hours of instruction on leadership, professional development, crew resource management, and safety culture.

(b) FSTD training. The applicant for the knowledge test must receive at least 10 hours of training in a flight simulation training device qualified under part 60 of this chapter that represents a multiengine turbine airplane. The training must include the following:

(1) At least 6 hours of training in a Level C or higher full flight simulator qualified under part 60 of this chapter that represents a multiengine turbine airplane with a maximum takeoff weight of 40,000 pounds or greater. The training must include the following areas:

- (i) Low energy states/stalls;
- (ii) Upset recovery techniques; and
- (iii) Adverse weather conditions, including icing, thunderstorms, and crosswinds with gusts.

(2) The remaining FSTD training may be completed in a Level 4 or higher flight simulation training device. The training must include the following areas:

- (i) Navigation including flight management systems; and
- (ii) Automation including autoflight.

(c) Deviation authority. The Administrator may issue deviation authority from the weight requirement in paragraph (b)(1) upon a determination that the objectives of the training can be met in an alternative device.

12. Amend §61.157 by revising paragraph (c) to read as follows:

§61.157 Flight proficiency.

* * * * *

(c) *Exceptions.* A person who applies for an aircraft type rating to be added to an airline transport pilot certificate or an aircraft type rating concurrently with an airline transport pilot certificate, and who is an employee of a certificate holder operating under part 121 or part 135 of this chapter, does not need to comply with the requirements of paragraph (b) of this section if the applicant presents a training record that shows completion of that certificate holder's approved training program for the aircraft type rating.

* * * * *

13. Amend §61.159 as follows: A. Redesignate paragraphs (a)(3) through (a)(5) as paragraphs (a)(4) through (a)(6); B. Add a new paragraph (a)(3); C. Remove the phrase "paragraph (a)(3)(ii)" from newly redesignated paragraph (a)(4)(i) and add the phrase "paragraph (a)(4)(ii)" in its place; D. Remove the phrase "paragraph (a)(3)" from newly redesignated paragraph (a)(4)(ii) and add the phrase "paragraph (a)(4)" in its place; and E. Revise new paragraph (a)(5) to read as follows. The addition reads as follows

§61.159 Aeronautical experience: Airplane category rating.

(a) * * *

(3) 50 hours of flight time in the class of airplane for the rating sought. A maximum of 25 hours of training in a full flight simulator representing the class of airplane for the rating sought may be credited toward the flight time requirement of this paragraph if the training was accomplished as part of an approved training course in parts 121, 135, 141, or 142 of this chapter. A flight training device or aviation training device may not be used to satisfy this requirement.

* * * * *

(6) Not more than 100 hours of the total aeronautical experience requirements of paragraph (a) of this section or § 61.160 may be obtained in a full flight simulator or flight training device provided the device represents an airplane and the aeronautical experience was accomplished as part of an approved training course in parts 121, 135, 141, or 142 of this chapter.

* * * * *

14. Add §61.160 to read as follows:

§61.160 Aeronautical experience – airplane category restricted privileges

(a) Except for a person who has been removed from flying status for lack of proficiency or because of a disciplinary action involving aircraft operations, a U.S. military pilot or former U.S. military pilot may apply for an airline transport pilot certificate with an airplane category multiengine class rating or an airline transport pilot certificate concurrently with an airplane type rating with a minimum of 750 hours of total time as a pilot if the pilot presents:

(1) An official Form DD-214 (Certificate of Release or Discharge from Active Duty) indicating that the person was honorably discharged from the U.S. Armed Forces or an official U.S. Armed Forces record that shows the pilot is currently serving in the U.S. Armed Forces; and

(2) An official U.S. Armed Forces record that shows the person graduated from a U.S. Armed Forces undergraduate pilot training school and received a rating qualification as a military pilot.

(b) A person may apply for an airline transport pilot certificate with an airplane category multiengine class rating or an airline transport pilot certificate concurrently with an airplane type rating with a minimum of 1,000 hours of total time as a pilot if the person:

(1) Holds a Bachelor's degree with an aviation major from an institution of higher education, as defined in §61.1, that has been issued a letter of authorization by the Administrator under §61.169;

(2) Completes 60 semester credit hours of aviation and aviation-related coursework that has been recognized by the Administrator as coursework designed to improve and enhance the knowledge and skills of a person seeking a career as a professional pilot;

(3) Holds a commercial pilot certificate with an airplane category and instrument rating if:

(i) The required ground training was completed as part of an approved part 141 curriculum at the institution of higher education; and

(ii) The required flight training was completed as part of an approved part 141 curriculum at the institution of higher education or at a part 141 pilot school that has a training agreement under §141.26 of this chapter with the institution of higher education; and

(4) Presents official transcripts or other documentation acceptable to the Administrator from the institution of higher education certifying that the graduate has satisfied the requirements in paragraphs (1) through (3).

(c) A person may apply for an airline transport pilot certificate with an airplane category multiengine class rating or an airline transport pilot certificate concurrently with an airplane type rating with a minimum of 1,250 hours of total time as a pilot if the person:

(1) Holds an Associate's degree with an aviation major from an institution of higher education, as defined in §61.1, that has been issued a letter of authorization by the Administrator under §61.169;

- (2) Completes at least 30 semester credit hours of aviation and aviation-related coursework that has been recognized by the Administrator as coursework designed to improve and enhance the knowledge and skills of a person seeking a career as a professional pilot;
- (3) Holds a commercial pilot certificate with an airplane category and instrument rating if:
 - (i) The required ground training was completed as part of an approved part 141 curriculum at the institution of higher education; and
 - (ii) The required flight training was completed as part of an approved part 141 curriculum at the institution of higher education or at a part 141 pilot school that has a written training agreement under § 141.26 of this chapter with the institution of higher education; and
- (4) Presents official transcripts or other documentation acceptable to the Administrator from the institution of higher education certifying that the graduate has satisfied the requirements in paragraphs (1) through (3).
- (d) A graduate of an institution of higher education who completes fewer than 60 semester credit hours but at least 30 credit hours and otherwise satisfies the requirements of paragraph (b) may apply for airline transport pilot certificate with an airplane category multiengine class rating or an airline transport pilot certificate concurrently with an airplane type rating with a minimum of 1,250 hours of total time as a pilot.
- (e) A person who applies for an airline transport pilot certificate under the total flight times listed in paragraphs (a), (b), and (c) of this section must otherwise meet the aeronautical experience requirements of §61.159, except that the person may apply for an airline transport pilot certificate with 200 hours of cross-country flight time.
- (f) A person who has 1,500 hours total time as a pilot, 200 hours of cross-country flight time, and otherwise meets the aeronautical experience requirements of § 61.159 may apply for an airline transport pilot certificate under this section.
- (g) An airline transport pilot certificate obtained under this section is subject to the pilot in command limitations set forth in §61.167(b) and must contain the following limitation, “Restricted in accordance with 14 CFR 61.167.” The pilot is entitled to an airline transport pilot certificate without the limitation specified in this paragraph when the applicant presents satisfactory evidence of having met the aeronautical experience requirements of §61.159 and the age requirement of §61.153(a)(1).
- (h) An applicant who meets the aeronautical experience requirements of paragraphs (a), (b), (c), and (d) of this section is issued an airline transport pilot certificate with the limitation, “Holder does not meet the pilot in command aeronautical experience requirements of ICAO,” as prescribed under Article 39 of the Convention on International Civil Aviation if the applicant does not meet the ICAO requirements contained in Annex 1 “Personnel Licensing” to the Convention on International Civil Aviation. An applicant is entitled to an airline transport pilot certificate without the ICAO limitation specified under this paragraph when the applicant presents satisfactory evidence of having met the ICAO requirements and otherwise meets the aeronautical experience requirements of §61.159.

15. Amend §61.165 as follows: A. Redesignate paragraphs (c)(2) through (c)(5) as paragraphs (c)(3) through (c)(6); C. Add new paragraph (c)(2); D. Revise newly redesignated paragraphs (c)(3) and (c)(5); E. Revise paragraph (e) introductory text and paragraph (e)(1); F. Redesignate paragraph (f) as paragraph (g); G. Add new paragraph (f); H. Remove the phrase “paragraphs (a) through (e)” from newly redesignated paragraph (g) introductory text and add the phrase “paragraphs (a) through (f)” in its place; and I. Remove the phrase “paragraph (f)(1)” from newly redesignated paragraph (g)(3) and add the phrase “paragraph (g)(1)” in its place. The revisions and additions read as follows:

§61.165 Additional aircraft class category and ratings.

* * * * *

(c) * * *

(2) After July 31, 2014, pass a required knowledge test on the aeronautical knowledge areas of § 61.155(c), as applicable to multiengine airplanes;

(3) Pass a knowledge test for an airplane category multiengine class rating or type rating on the aeronautical knowledge areas of §61.155(c);

(4) * * *

(5) Meet the aeronautical experience requirements of §61.159 or §61.160; and

* * * * *

(e) *Additional class rating within the same aircraft category.* Except as provided in paragraph (f) of this section, a person applying for an airline transport pilot certificate with an additional class rating who holds an airline transport certificate in the same aircraft category must—

(1) Meet the eligibility requirements of §61.153, except paragraph (g) of that section;

* * * * *

(f) *Adding a multiengine class rating or airplane type rating to an airline transport pilot certificate with a single engine class rating.* A person applying to add a multiengine class rating or airplane type rating to an airline transport pilot certificate with an airplane category single engine class rating must—

(1) Meet the eligibility requirements of §61.153;

(2) Pass a required knowledge test on the aeronautical knowledge areas of §61.155(c), as applicable to multiengine airplanes;

(3) Comply with the requirements in §61.157(b), if applicable;

(4) Meet the applicable aeronautical experience requirements of §61.159; and

(5) Pass a practical test on the areas of operation of §61.157(e)(2).

* * * * *

16. Revise §61.167 to read as follows:

§ 61.167 Airline transport pilot privileges and limitations.

(a) *Privileges.* (1) A person who holds an airline transport pilot certificate is entitled to the same privileges as a person who holds a commercial pilot certificate with an instrument rating.

(2) A person who holds an airline transport pilot certificate and has met the aeronautical experience requirements of §61.159 and the age requirements of §61.153(a)(1) of this part may instruct—

- (i) Other pilots in air transportation service in aircraft of the category, class, and type, as applicable, for which the airline transport pilot is rated and endorse the logbook or other training record of the person to whom training has been given;
 - (ii) In flight simulators, and flight training devices representing the aircraft referenced in paragraph (a)(2)(i) of this section, when instructing under the provisions of this section and endorse the logbook or other training record of the person to whom training has been given;
 - (iii) Only as provided in this section, except that an airline transport pilot who also holds a flight instructor certificate can exercise the instructor privileges under subpart H of this part for which he or she is rated; and
 - (iv) In an aircraft, only if the aircraft has functioning dual controls, when instructing under the provisions of this section.
- (3) Excluding briefings and debriefings, an airline transport pilot may not instruct in aircraft, flight simulators, and flight training devices under this section—

- (i) For more than 8 hours in any 24-consecutive-hour period; or
- (ii) For more than 36 hours in any 7-consecutive-day period.

(4) An airline transport pilot may not instruct in Category II or Category III operations unless he or she has been trained and successfully tested under Category II or Category III operations, as applicable.

(b) *Limitations.* A person who holds an airline transport pilot certificate and has not satisfied the age requirement of §61.153(a)(1) and the aeronautical experience requirements of §61.159 may not:

- (1) Act as pilot in command in operations conducted under part 121, §91.1053(a)(2)(i), or §135.243(a)(1) of this chapter, or
- (2) Serve as second in command in flag or supplemental operations in part 121 of this chapter requiring three or more pilots.

17. Add §61.169 to read as follows:

§61.169 Letters of authorization for institutions of higher education

- (a) An institution of higher education that is accredited, as defined in §61.1, may apply for a letter of authorization for the purpose of certifying its graduates for an airline transport pilot certificate under the academic and aeronautical experience requirements in §61.160. The application must be in a form and manner acceptable to the Administrator.
- (b) An institution of higher education must comply with the provisions of the letter of authorization and may not certify a graduate unless it determines that the graduate has satisfied the requirements of §61.160, as appropriate.
- (c) The Administrator may rescind or amend a letter of authorization if the Administrator determines that the institution of higher education is not complying or is unable to comply with the provisions of the letter of authorization.

PART 121--OPERATING REQUIREMENTS: DOMESTIC, FLAG, AND SUPPLEMENTAL OPERATIONS

18. The authority citation for part 121 is revised to read as follows:

Authority: 49 U.S.C. 106(f), 106(g), 40113, 40119, 41706, 44101, 44701–44702, 44705, 44709–44711, 44713, 44716–44717, 44722, 46105.2.

19. Amend §121.409 by revising paragraph (b) introductory text to read as follows:

§121.409 Training courses using airplane simulators and other training devices.

- (b) Except for the airline transport pilot certification training program approved to satisfy the requirements of §61.156 of this chapter, a course of training in an airplane simulator may be included for use as provided in §121.441 if that course—

20. Add §121.410

§121.410 Airline Transport Pilot Certification Training Program

- (a) A certificate holder may obtain approval to establish and implement a training program to satisfy the requirements of § 61.156 of this chapter. The training program must be separate from the air carrier training program required by this part.
- (b) No certificate holder may use a person nor may any person serve as an instructor in a training program approved to meet the requirements of § 61.156 of this chapter unless the instructor:
 - (1) Holds an airline transport pilot certificate with an airplane category multiengine class rating;
 - (2) Has at least 2 years of experience as a pilot in command in operations conducted under §91.1053(a)(2)(i) or §135.243(a)(1) of this chapter, or as a pilot in command or second in command in any operation conducted under this part;
 - (3) Except for the holder of a flight instructor certificate, receives initial training on the following topics:
 - (i) The fundamental principles of the learning process;
 - (ii) Elements of effective teaching, instruction methods, and techniques;
 - (iii) Instructor duties, privileges, responsibilities, and limitations;
 - (iv) Training policies and procedures; and
 - (v) Evaluation.
 - (4) If providing training in a flight simulation training device, hold an aircraft type rating for the aircraft represented by the flight simulation training device utilized in the training program and have received training within the preceding 12 months from the certificate holder on:
 - (i) Proper operation of flight simulator and flight training device controls and systems;
 - (ii) Proper operation of environmental and fault panels;
 - (iii) Data and motion limitations of simulation;
 - (iv) Minimum equipment requirements for each curriculum; and
 - (v) The maneuvers that will be demonstrated in the flight simulation training device.
 - (c) A certificate holder may not issue a graduation certificate to a student unless that student has completed all the curriculum requirements of the course.
 - (d) A certificate holder must conduct evaluations to ensure that training techniques, procedures, and standards are acceptable to the Administrator.

21. Revise §121.419 to read as follows:

§ 121.419 Pilots and flight engineers: Initial, transition, and upgrade ground training.

- (a) Except as provided in paragraph (b), initial, transition, and upgrade ground training for pilots and flight engineers must include instruction in at least the following as applicable to their assigned duties:

(1) General subjects—

- (i) The certificate holder's dispatch or flight release procedures;
- (ii) Principles and methods for determining weight and balance, and runway limitations for takeoff and landing;
- (iii) Enough meteorology to insure a practical knowledge of weather phenomena, including the principles of frontal systems, icing, fog, thunderstorms, and high altitude weather situations;
- (iv) Air traffic control systems, procedures, and phraseology;
- (v) Navigation and the use of navigation aids, including instrument approach procedures;
- (vi) Normal and emergency communication procedures;
- (vii) Visual cues prior to and during descent below DA/DH or MDA;
- (viii) Approved crew resource management initial training; and
- (ix) Other instructions as necessary to ensure competence.

(2) For each airplane type—

- (i) A general description;
- (ii) Performance characteristics;
- (iii) Engines and propellers;
- (iv) Major components;
- (v) Major airplane systems (e.g., flight controls, electrical, hydraulic); other systems as appropriate; principles of normal, abnormal, and emergency operations; appropriate procedures and limitations;
- (vi) Procedures for—
 - (A) Recognizing and avoiding severe weather situations;
 - (B) Escaping from severe weather situations, in case of inadvertent encounters, including low altitude windshear, and
 - (C) Operating in or near thunderstorms (including best penetrating altitudes), turbulent air (including clear air turbulence), icing, hail, and other potentially hazardous meteorological conditions;
- (vii) Operating limitations;
- (viii) Fuel consumption and cruise control;
- (ix) Flight planning;
- (x) Each normal and emergency procedure; and
- (xi) The approved Airplane Flight Manual.

(b) Initial ground training for pilots who have completed the airline transport pilot certification training program in §61.156 must include instruction in at least the following as applicable to their assigned duties:

(1) Ground training specific to the certificate holder's—

- (i) Dispatch or flight release procedures;
- (ii) Method for determining weight and balance and runway limitations for takeoff and landing;
- (iii) Meteorology hazards applicable to the certificate holder's areas of operation;
- (iv) Approved departure, arrival, and approach procedures;
- (v) Normal and emergency communication procedures; and
- (vi) Approved crew resource management training.

(2) The training required by paragraph (a)(2) for the airplane type.

(c) Initial ground training for pilots and flight engineers must consist of at least the following programmed hours of instruction in the required subjects specified in paragraph (a) of this section and in § 121.415(a) unless reduced under § 121.405:

(1) Group I airplanes—

- (i) Reciprocating powered, 64 hours; and
- (ii) Turbopropeller powered, 80 hours.

(2) Group II airplanes, 120 hours.

(d) Initial ground training for pilots who have completed the airline transport pilot certification training program in §61.156 must consist of at least the following programmed hours of instruction in the required subjects specified in paragraph (b) of this section and in § 121.415(a) unless reduced under § 121.405:

(1) Group I airplanes—

- (i) Reciprocating powered, 54 hours; and
- (ii) Turbopropeller powered, 70 hours.

(2) Group II airplanes, 110 hours.

22. Add §121.435 to read as follows:

§121.435 Pilot qualification: Certificate and experience requirements.

- (a) No pilot may act as pilot in command of an aircraft (or as second in command of an aircraft in a flag or supplemental operation that requires three or more pilots) unless he holds an airline transport pilot certificate and an appropriate type rating for that aircraft.
- (b) No certificate holder may use nor may any pilot act as a pilot in a capacity other than those specified in paragraph (a) of this section unless the pilot holds at least a commercial pilot certificate with appropriate category and class ratings for the aircraft concerned, and an instrument rating. Notwithstanding the requirements of §61.63 (b) and (c) of this chapter, a pilot who is currently employed by a certificate holder and meets applicable training requirements of subpart N of this part, and the proficiency check requirements of §121.441, may be issued the appropriate category and class ratings by presenting proof of compliance with those requirements to a Flight Standards District Office.
- (c) The requirements of this section will expire on July 31, 2013. After that date, the requirements of §121.436 apply.

23. Add §121.436 to read as follows:

§121.436 Pilot Qualification: Certificates and experience requirements.

(a) No certificate holder may use nor may any pilot act as pilot in command of an aircraft (or as second in command of an aircraft in a flag or supplemental operation that requires three or more pilots) unless the pilot:

- (1) Holds an airline transport pilot certificate not subject to the limitations in §61.167 of this chapter;
- (2) Holds an appropriate aircraft type rating for the aircraft being flown; and
- (3) If serving as pilot in command in part 121 operations, has 1,000 hours as second in command in operations under this part, pilot in command in operations under § 91.1053(a)(2)(i) of this chapter, pilot in command in operations under § 135.243(a)(1) of this chapter, or any combination thereof. For

those pilots who are employed as pilot in command in part 121 operations on July 31, 2013, compliance with the requirements of this paragraph (a)(3) is not required.

(b) No certificate holder may use nor may any pilot act as second in command unless the pilot holds an airline transport pilot certificate and an appropriate aircraft type rating for the aircraft being flown. A second-in-command type rating obtained under §61.55 does not satisfy the requirements of this section.

(c) For the purpose of satisfying the flight hour requirement in paragraph (a)(3), a pilot may credit 500 hours of military flight time obtained as pilot in command of a multiengine turbine-powered, fixed-wing airplane in an operation requiring more than one pilot.

(d) Compliance with the requirements of this section is required by August 1, 2013. However, for those pilots who are employed as second in command in part 121 operations on July 31, 2013, compliance with the type rating requirement in paragraph (b) is not required until January 1, 2016.

§121.437 [Removed] 24. Remove §121.437.

25. Amend § 121.543(b)(3)(i) to read as follows:

§ 121.543 Flight crewmembers at controls.

***** (b) *** (3) ***

(i) In the case of the assigned pilot in command during the en route cruise portion of the flight, by a pilot who holds an airline transport pilot certificate not subject to the limitations in § 61.167 of this chapter and an appropriate type rating, is currently qualified as pilot in command or second in command, and is qualified as pilot in command of that aircraft during the en route cruise portion of the flight. A second in command qualified to act as a pilot in command en route need not have completed the following pilot in command requirements: The 6-month recurrent flight training required by § 121.433(c)(1)(iii); the operating experience required by § 121.434; the takeoffs and landings required by § 121.439; the line check required by § 121.440; and the 6-month proficiency check or simulator training required by § 121.441(a)(1); and

Appendix H to Part 121 [Amended]

26. Amend Appendix H to Part 121 by removing the reference “§61.153(g)” from the last paragraph of the appendix and adding the reference “§61.153(h)” in its place.

PART 135—OPERATING REQUIREMENTS: COMMUTER AND ON DEMAND OPERATIONS AND RULES GOVERNING PERSON ONBOARD SUCH AIRCRAFT

27. The authority citation for part 135 is revised to read as follows:

Authority: 49 U.S.C. 106(f), 106(g), 41706, 40113, 44701–44702, 44705, 44709, 44711– 44713, 44715–44717, 44722, 45101–45105.

28. Add § 135.336.

Amend § 135.3 by revising paragraph (b) to read as follows:

§ 135.3 Rules applicable to operations subject to this part.

(b) Each certificate holder that conducts commuter operations under this part with airplanes in which two pilots are required by the type certification rules of this chapter shall comply with subparts N and O of part 121 of this chapter instead of the requirements of subparts E, G, and H of this part. Notwithstanding the requirements of this paragraph, a pilot serving under this part as second in command in a commuter operation with airplanes in which two pilots are required by the type certification rules of this chapter may meet the requirements of § 135.245 instead of the requirements of § 121.436. Show citation box

§ 135.336 Airline Transport Pilot Certification Training Program

(a) A certificate holder may obtain approval to establish and implement a training program to satisfy the requirements of § 61.156 of this chapter. The training program must be separate from the air carrier training program required by this part.

(b) No certificate holder may use a person nor may any person serve as an instructor in a training program approved to meet the requirements of § 61.156 of this chapter unless the instructor:

(1) Holds an airline transport pilot certificate with an airplane category multiengine class rating;

(2) Has at least 2 years of experience as a pilot in command in operations conducted under §91.1053(a)(2)(i) of this chapter, §135.243(a)(1) of this part, or as a pilot in command or second in command in any operation conducted under part 121 of this chapter;

(3) Except for the holder of a flight instructor certificate, receives initial training on the following topics:

(i) The fundamental principles of the learning process;

(ii) Elements of effective teaching, instruction methods, and techniques;

(iii) Instructor duties, privileges, responsibilities, and limitations;

(iv) Training policies and procedures; and

(v) Evaluation.

(4) If providing training in a flight simulation training device, holds an aircraft type rating for the aircraft represented by the flight simulation training device utilized in the training program and have received training and evaluation within the preceding 12 months from the certificate holder on:

(i) Proper operation of flight simulator and flight training device controls and systems;

(ii) Proper operation of environmental and fault panels;

(iii) Data and motion limitations of simulation;

(iv) Minimum equipment requirements for each curriculum; and

(v) The maneuvers that will be demonstrated in the flight simulation training device.

(c) A certificate holder may not issue a graduation certificate to a student unless that student has completed all the curriculum requirements of the course.

(d) A certificate holder must conduct evaluations to ensure that training techniques, procedures, and standards are acceptable to the Administrator.

29. Amend §135.341 by adding a sentence to the end of paragraph (a):

§135.341 Pilot and flight attendant crewmember training programs.

(a) * * * This deviation authority does not extend to the training provided under § 135.336.

PART 141—PILOT SCHOOLS

30. The authority citation for part 141 is revised to read as follows:

Authority: 49 U.S.C. 106(f), 106(g), 40113, 44701–44703, 44707, 44709, 44711, 45102–45103, 45301–45302.

31. Amend §141.11 by adding subparagraph (viii) to paragraph (b)(2):

§ 141.11 Pilot school ratings.

***** (b) *** (2) ***

(viii) Airline transport pilot certification training program.

* * * * *

32. Revise § 141.26 to read as follows:

§ 141.26 Training agreements.

(a) A training center certificated under part 142 of this chapter may provide the training, testing, and checking for pilot schools certificated under this part and is considered to meet the requirements of this part, provided—

(1) There is a training agreement between the certificated training center and the pilot school;

(2) The training, testing, and checking provided by the certificated training center is approved and conducted under part 142;

(3) The pilot school certificated under this part obtains the Administrator's approval for a training course outline that includes the training, testing, and checking to be conducted under this part and the training, testing, and checking to be conducted under part 142; and

(4) Upon completion of the training, testing, and checking conducted under part 142, a copy of each student's training record is forwarded to the part 141 school and becomes part of the student's permanent training record.

(b) A pilot school that provides flight training for an institution of higher education that holds a letter of authorization under §61.169 of this chapter must have a training agreement with that institution of higher education.

33. Amend §141.33 by adding paragraph (a)(4) to read as follows:

§141.33 Personnel.

(a) * * *

(4) In addition to meeting the requirements of paragraph (a)(3) of this section, each instructor used for the airline transport pilot certification training program in § 61.156 of this chapter must:

(i) Hold an airline transport pilot certificate with an airplane category multiengine class rating;

(ii) Have at least 2 years of experience as a pilot in command in operations conducted under §91.1053(a)(2)(i) or §135.243(a)(1) of this chapter, or as a pilot in command or second in command in any operation conducted under part 121 of this chapter; and

(iii) If providing training in a flight simulation training device, have received training and evaluation within the preceding 12 months from the certificate holder on—

(A) Proper operation of flight simulator and flight training device controls and systems;

(B) Proper operation of environmental and fault panels,

(C) Data and motion limitations of simulation;

(D) Minimum equipment requirements for each curriculum; and

(E) The maneuvers that will be demonstrated in the flight simulation training device.

* * * * *

34. Amend Appendix K to Part 141 as follows: A. Revise paragraph 4.(b) and 4.(c). B. Add paragraph 13.

Appendix K to Part 141—Special Preparation Courses

* * * * * 4. * * *

(b) Except for the airline transport pilot certification program in paragraph 13 of this appendix, training in a flight simulator that meets the requirements of §141.41(a) of this part, may be credited for a maximum of 10 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less.

(c) Except for the airline transport pilot certification program in paragraph 13 of this appendix, training in a flight training device that meets the requirements of §141.41(b) of this part, may be credited for a maximum of 5 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less.

* * * * *

13. Airline transport pilot certification training program. An approved airline transport pilot certification training program must include the academic and FSTD training set forth in §61.156 of this chapter. The FAA will not approve a course with fewer hours than those prescribed in §61.156 of this chapter.

PART 142—TRAINING CENTERS

35. The authority citation for part 142 is revised to read as follows:

Authority: 49 U.S.C. 106(f), 106(g), 40113, 40119, 44101, 44701–44703, 44705, 44707, 44709–44711, 45102–45103, 45301–45302

36. Amend §142.1 by revising paragraphs (a) and (b)(2) to read as follows:

§ 142.1 Applicability.

(a) This subpart prescribes the requirements governing the certification and operation of training centers. Except as provided in paragraph (b) of this section, this part provides an alternative means to accomplish training required by parts 61, 63, 65, 91, 121, 125, 135, or 137 of this chapter.

(b) * * *

(2) Approved under subpart Y of part 121 of this chapter, Advanced Qualification Programs, for the authorization holder's own employees;

* * * * *

37. Amend §142.3 by revising paragraph (3) of the definition of *Course* and the definition of *Flight training equipment* to read as follows:

§142.3 Definitions.

* * * * *

Course means—

* * * * *

(3) A curriculum, or curriculum segment, as defined in subpart Y of part 121 of this chapter.

* * * * *

Flight training equipment means full flight simulators, as defined in §1.1 of this chapter, flight training devices, as defined in §1.1 of this chapter, and aircraft.

* * * * *

38. Amend §142.49 by revising paragraph (c)(3)(iv) to read as follows:

§142.49 Training center instructor and evaluator privileges and limitations.

* * * * * (c) * * * (3) * * *

(iv) If instructing or evaluating in an aircraft in flight while serving as a required crewmember, holds at least a valid second class medical certificate; and

* * * * *

39. Add §142.54 to read as follows:

§ 142.54 Airline Transport Pilot Certification Training Program

No certificate holder may use a person nor may any person serve as an instructor in a training program approved to meet the requirements of § 61.156 of this chapter unless the instructor:

- (a) Holds an airline transport pilot certificate with an airplane category multiengine class rating;
- (b) Has at least 2 years of experience as a pilot in command in operations conducted under §91.1053(a)(2)(i) or §135.243(a)(1) of this chapter, or as a pilot in command or second in command in any operation conducted under part 121 of this chapter;
- (c) Except for the holder of a flight instructor certificate, receives initial training on the following topics:
 - (1) The fundamental principles of the learning process;
 - (2) Elements of effective teaching, instruction methods, and techniques;
 - (3) Instructor duties, privileges, responsibilities, and limitations;
 - (4) Training policies and procedures; and
 - (5) Evaluation.
- (d) If providing training in a flight simulation training device—
 - (1) Holds an aircraft type rating for the aircraft represented by the flight simulation training device utilized in the training program and have received training and evaluation within the preceding 12 months from the certificate holder on the maneuvers that will be demonstrated in the flight simulation training device; and
 - (2) Satisfies the requirements of § 142.53(a)(4).
- (e) A certificate holder may not issue a graduation certificate to a student unless that student has completed all the curriculum requirements of the course.
- (f) A certificate holder must conduct evaluations to ensure that training techniques, procedures, and standards are acceptable to the Administrator.

§142.55 [Amended]

40. Amend §142.55 as follows:

- A. In paragraph (a)(2), remove the phrase “part 187” and add in its place the phrase “part 183”; and
- B. In paragraph (d) remove the phrase "SFAR 58" and add in its place the phrase "subpart Y of part 121 of this chapter".