

Updates to:
The AOPA Air Safety Foundation
THE PILOT'S COMPANION
and
THE FLIGHT INSTRUCTOR'S POCKET GUIDE
TO AIRMAN CERTIFICATION

This packet contains updated material based on recent and pending changes to Federal Aviation Administration publications.

Update To *THE PILOT'S COMPANION*

**Instrument Proficiency Check affected by changes to
FAA Instrument Rating Practical Test Standards**

A person who does not meet the recent instrument experience requirements of FAR part 61 may not serve as pilot in command under IFR until that person passes an instrument proficiency check. **Pilots must successfully complete the TASKS designated as (PC)** as shown in the FAA Practical Test Standards. These tasks are identified below.

EXAMINER'S PRACTICAL TEST CHECKLIST

I. PREFLIGHT PREPARATION

- A. Weather Information
- B. Cross-Country Flight Planning

II. PREFLIGHT PROCEDURES

- A. Aircraft Systems Related to IFR Operations (PC)
- B. Aircraft Flight Instruments and Navigation Equipment (PC)
- C. Instrument Cockpit Check (PC)

III. AIR TRAFFIC CONTROL CLEARANCES AND PROCEDURES

- A. Air Traffic Control Clearances (PC)
- B. Compliance with Departure, En Route, and Arrival Procedures and Clearances (PC)
- C. Holding Procedures (PC)

IV. FLIGHT BY REFERENCE TO INSTRUMENTS

- A. Straight-and-Level Flight (PC)
- B. Change of Airspeed (PC)
- C. Constant Airspeed Climbs and Descents
- D. Rate Climbs and Descents
- E. Timed Turns to Magnetic Compass Headings
- F. Steep Turns
- G. Recovery from Unusual Flight Attitudes (PC)

V. NAVIGATION SYSTEMS

Intercepting and Tracking Navigational Systems and DME Arcs (PC)

VI. INSTRUMENT APPROACH PROCEDURES

- A. Nonprecision Instrument Approach (PC)
- B. Precision ILS Instrument Approach (PC)
- C. Missed Approach (PC)
- D. Circling Approach
- E. Landing from a Straight-in or Circling Approach

VII. EMERGENCY OPERATIONS

- A. Loss of Communications
- B. One Engine Inoperative During Straight-and-Level Flight and Turns (Multiengine) (PC)
- C. One Engine Inoperative—Instrument Approach (Multiengine) (PC)
- D. Loss of Gyro Attitude and/or Heading Indicators (PC)

VIII. POSTFLIGHT PROCEDURES

Checking Instruments and Equipment

Above Summarized From: U.S. Department Of Transportation, Federal Aviation Administration:
Instrument Rating: Practical Test Standards For Airplane, Helicopter, Powered Lift: October 1998: FAA-S-8081-4C

Update To

THE FLIGHT INSTRUCTOR'S POCKET GUIDE TO AIRMAN CERTIFICATION

The Federal Aviation Administration is in the process of revising Advisory Circular No. 61-65 (D version) "Certification: Pilots and Flight and Ground Instructors." These "recommended endorsements" are from the FAA "FAR Part 61 and 141 Frequently Asked Questions" web page.

RECOMMENDED INSTRUCTOR ENDORSEMENTS

Student Pilot Endorsements

1. Endorsement for presolo aeronautical knowledge: FAR 61.87(b)

(First name, MI, last name) has satisfactorily completed a presolo written examination demonstrating knowledge of the portions of Parts 61 and 91 applicable to student pilots, the airspace rules and procedures for the (name of airport), airspace rules and procedures for the airport where the solo flight will be performed, and the flight characteristics and operational limitations for a (make and model aircraft).

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2. Endorsement for presolo flight training: FAR 61.87(c)

I have given (First name, MI, last name) the flight training required by FAR 61.87(c) in a (make and model aircraft). He/She has demonstrated proficiency in the applicable maneuvers and procedures listed in FAR 61.87(d) through (k), as appropriate, and is proficient to make safe solo flights in (make and model aircraft).

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3. Endorsement for presolo flight training at night: FAR 61.87(c) and (m)

I have given (First name, MI, last name) the flight training required by FAR 61.87(c) and FAR 61.87(m) in a (make and model aircraft). He/She has demonstrated proficiency in the applicable maneuvers and procedures listed in FAR 61.87 (d) through (k), as appropriate, and FAR 61.87(m) and is proficient to make safe solo flights at night in a (make and model aircraft).

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4. Endorsement for solo (each additional 90-day period): FAR 61.87(n)

I have given (First name, MI, last name) the training required by FAR 61.87(n). He/She has met the requirements of FAR 61.87(n)(l) and is proficient to make safe solo flights in (make and model).

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5. Endorsement for solo landings and takeoffs at another airport within 25nm: FAR 61.93(b)(1)

I have given the flight training required by FAR 61.93 (b)(1) to (First name, MI, last name) and find him/her proficient to practice landings and takeoffs at (airport name). Landings and takeoffs at (airport name) are authorized subject to the following conditions: (list applicable conditions).

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6. Endorsement for initial solo cross-country flight: FAR 61.93(c)

I have given (First name, MI, last name) the training required by FAR 61.93(c). He/She has met the requirements of FAR 61.93(e) through (k), as appropriate, and is proficient to make safe solo cross-country flights in a (make and model aircraft).

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7. Endorsement for each solo cross-country flight: FAR 61.93(d)

After reviewing the cross country planning of (First name, MI, last name), I attest that the preflight planning and preparation is correct and that he/she is prepared to make the solo flight safely under the known circumstances from (location) to (destination) via (route of flight) with landings at (names of applicable airports) in a (make and model aircraft) on (date).

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NOTE: The instructor may want to stipulate additional conditions in the above endorsement.

8. Endorsement for repeated solo cross-country flights not more than 50nm from the point of departure: FAR 61.93(b)(2)

I have given (First name, MI, last name) flight training in both directions over the route between (home base) and (airport name), including entering and exiting the traffic pattern, takeoffs, and landings at the airports to be used, and find him/her proficient to conduct repeated solo cross-country flights over that route, subject to the following conditions: (list applicable conditions).

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9. Endorsement for solo flight in Class B airspace: FAR 61.95(a)

I have given (First name, MI, last name) the ground and flight training required by FAR 61.95(a), and find him/her proficient to conduct solo flights in (name of Class B) airspace.

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10. Endorsement for solo flight to, from, or at an airport located within Class B airspace: FAR 91.95(b) and 91.131(b)(1)

I have given (First name, MI, last name) the ground and flight training required by FAR 61.95(b), and find him/her proficient to conduct solo flight operations at (name of airport).

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Recreational Pilot Endorsements

11. Endorsement for aeronautical knowledge: FAR 61.35(a)(1) and 61.97(b)

I certify that I have given (First name, MI, last name) the ground training required by FAR 61.97(b), and that he/she is prepared for the required knowledge test.

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12. Endorsement for flight proficiency: FAR 61.98(b)

I certify that I have given (First name, MI, last name) the ground and flight training required by FAR 61.98(b), and find him/her proficient to perform each area of operation safely as a recreational pilot, and is prepared for the required practical test.

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13. Endorsement for recreational pilot to act as PIC within 50nm of the airport where training was received: FAR 61.101(b)

I certify that I have given (First name, MI, last name) the flight and ground training required by FAR 61.101(b) at (name of airport).

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14. Endorsement for recreational pilot to act as PIC on a flight that exceeds 50nm of the departure airport: FAR 61.101(c)

I certify that I have given (First name, MI, last name) the ground and flight training required by FAR 61.101(c) and find him/her to be proficient in cross country flying.

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NOTE: The guidance in paragraph 7 may be used for an endorsement attesting to the review of the preflight planning and preparation of each specific cross-country solo flight.

15. Endorsement for recreational pilot with fewer than 400 flight hours logged who has not logged PIC time within the preceding 180 days: FAR 61.101(f)

I certify that I have given (First name, MI, last name) flight training in a (make and model aircraft) and consider him/her proficient to act as PIC of that aircraft.

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16. Endorsement for a recreational pilot to conduct solo flights for the purpose of obtaining an additional certificate or rating while under the supervision of an authorized flight instructor: FAR 61.101(h)

I certify that I have given (First name, MI, last name) the ground and flight training required by FAR 61.87 in a (make and model aircraft). I find that he/she meets the aeronautical knowledge and flight training requirements of FAR 61.87 and is competent to conduct a solo flight on (date) under the following conditions: (List all conditions which require endorsement, e.g., flight which requires communication with ATC, flight in an aircraft for which the pilot does not hold a category/class rating).

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Private Pilot Endorsements

17. Endorsement for aeronautical knowledge: FAR 61.35(a)(1) and 61.105(b)

I certify that I have given (First name, MI, last name) the ground training required by FAR 61.105(b), and that he/she is prepared for the required knowledge test.

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18. Endorsement for flight proficiency: FAR 61.107(b)(1)

I certify that I have given (First name, MI, last name) the ground and flight training required by FAR 61.107(b)(1) through (8) (as appropriate), and find him/her proficient to perform each area of operation safely as a private pilot, and that he/she is prepared for the required practical test.

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Commercial Pilot Endorsements

19. Endorsement for aeronautical knowledge: FAR 61.35(a)(1) and 61.125(b)

I certify that I have given (First name, MI, last name) the ground training required by FAR 61.125(b), and that he/she is prepared for the required knowledge test.

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20. Endorsement for flight proficiency: FAR 61.127(b)

I certify that I have given Mr. /Ms. (First name, MI, last name) the ground and flight training required by FAR 61.127(b)(1) through (8) (as appropriate) and find him/her proficient to perform each area of operation safely as a commercial pilot, and that he/she is prepared for the required practical test.

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Instrument Rating Endorsements

21. Endorsement for aeronautical knowledge: FAR 61.65(b)

I certify that I have given (First name, MI, last name) the ground training required for the instrument (airplane or helicopter) rating by FAR 61.65(b)(1) through (10).

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22. Endorsement for flight proficiency: FAR 61.65(c)

I certify that I have given (First name, MI, last name) the flight training in a (type of aircraft) required by FAR 61.65(c)(1) through (8) and FAR 61.65(d) and find him/her proficient to perform each pilot operation as an instrument pilot, and is prepared for the required practical test.

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Flight Instructor Endorsements

23. Endorsement for aeronautical knowledge: FAR 61.185(a) and (b)

I certify that (First name, MI, last name) has satisfactorily completed the course of training required by FAR 61.185(a)(1) and (2), and has logged the ground training required by FAR 61.97(b), 61.105(b), and 61.125(b) in preparation for the flight instructor (type of aircraft) rating.

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NOTE: If the initial flight instructor certificate includes an instrument rating, the following additional endorsement is needed:

I certify that (First name, MI, last name) has satisfactorily completed the course of training required by FAR 61.185(a)(3), and has logged the ground training required by FAR 61.65(b) in preparation for the flight instructor instrument rating.

24. Endorsement for flight proficiency: FAR 61.187(b)

I certify that I have given (First name, MI, last name) the flight and ground training required by FAR 61.187(b)(1) through (6) (through (7), if for an initial flight instructor certificate with an instrument rating), and find him/her proficient to pass a practical test on those areas of operation.

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25. Endorsement for spin training: FAR 61.183(i)(1)

I have given (First name, MI, last name) the flight training required by FAR 61.183(i)(1) and find that he/she is competent and possesses the training and proficiency on instructional skills for training stall awareness, spin entry, spins, and spin recovery procedures.

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NOTE: The above spin training endorsement is required of flight instructor-airplane and flight instructor-glider applicants only.

Flight Instructor Additional Rating - Instrument

26. Endorsement for aeronautical knowledge: FAR 61.185(a)(3)

I certify that Mr. /Ms. (First name, MI, last name) has satisfactorily completed the course of training required by FAR 61.185(a)(3), and has logged the ground training required by FAR 61.65(b) in preparation for the flight instructor instrument rating.

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27. Endorsement for flight proficiency: FAR 61.187(b)(7)

I certify that I have given Mr. /Ms. (First name, MI, last name) the flight and ground training required by FAR 61.187(b)(7) and find him/her proficient to pass a practical test on those areas of operation.

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Ground Instructor Endorsement

28. Endorsement of a ground instructor who does not meet the recent experience requirements FAR 61.217:

I certify that Mr. /Ms. (First name, MI, last name) has demonstrated satisfactory proficiency in the subject areas prescribed in FAR 61.213(a)(3) and (a)(4), as applicable.

/S/ [date] J.J. Jones 987654321CFI (or CGI, as appropriate) Exp. 12-31-99

Additional Endorsements

29. Endorsement for completion of a flight review: FAR 61.56

(First name, MI, last name), holder of pilot certificate #(certificate number), has satisfactorily completed the flight review required by FAR 61.56 on (date).

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

NOTE: No logbook entry reflecting unsatisfactory performance on a flight review is required.

30. Endorsement for completion of an instrument proficiency check: FAR 61.57(d)

(First name, MI, last name), holder of pilot certificate # (certificate number), has satisfactorily completed an instrument proficiency check on (date).

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

NOTE: No logbook entry reflecting unsatisfactory performance on an instrument proficiency check is required.

31. Endorsement for a pilot to act as PIC in a complex airplane: FAR 61.31(e)

I certify that I have given ground and flight training in a complex airplane to (First name, MI, last name), holder of pilot certificate #(certificate number), and find him/her proficient in the operation and systems of a complex airplane.

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

32. Endorsement for a pilot to act as PIC in a high performance airplane: FAR 61.31(f)

I certify that I have given ground and flight training in a high performance airplane to (First name, MI, last name), holder of pilot certificate #(certificate number), and find him/her proficient in the operation and systems of a high performance airplane.

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33. Endorsement for operating pressurized aircraft capable of high altitude operations: FAR 61.31(g)

I have given (First name, MI, last name), holder of pilot certificate #(certificate number), the ground and flight training required by FAR 61.31(g) and find him/her proficient in the operation of a pressurized aircraft.

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

34. Endorsement for a pilot to act as PIC in a tailwheel airplane: FAR 61.31(i)

I have given (First name, MI, last name), holder of pilot certificate #(certificate number) flight training in at least normal and crosswind takeoffs and landings, wheel landings (if appropriate), and go-around procedures in a tailwheel airplane and find him/her proficient in the operation of a tailwheel airplane.

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

35. Endorsement for a pilot who does not hold an appropriate category/class rating to act as PIC of an aircraft in solo operations: FAR 61.31(d)

I certify that I have given (First name, MI, last name) flight training in the pilot operations required to serve as pilot in command in a (category and class of aircraft) and find him/her proficient to act as pilot in command in that category/class of aircraft.

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

36. Endorsement to certify completion of prerequisites for a practical test: FAR 61.39(a)(6)

I have given (First name, MI, last name) flight training in preparation for a (type of practical test) practical test within the preceding 60 days and find him/her prepared for the required practical test and to have demonstrated satisfactory knowledge of the subject areas in which the applicant was shown to be deficient by his/her airman knowledge test.

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

37. Endorsement for re-testing after failure of a knowledge or practical test: FAR 61.49.

I have given (First name, MI, last name) additional (flight and/or ground) training and find him/her proficient to pass the (name of the knowledge or practical test) test.

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NOTE: The instructor may also complete the endorsement in the space provided at the bottom of the applicant's airman knowledge test report in the case of a failure on a knowledge test. The instructor must sign the block provided for the instructor's endorsement on the reverse side of FAA Form 8710-1 for each retake of a practical test. An applicant may retake either a knowledge or practical test if he or she has received additional training and an instructor's endorsement.

38. Endorsement for an airman seeking an additional aircraft category or class rating (other than on an airline transport pilot certificate): FAR 61.63(b) or (c)

I have given (First name, MI, last name) the training required by FAR 61.63 and find him/her competent in the aeronautical knowledge areas and proficient to pass the (private/commercial) practical test for the addition of a (name of the applicable category/class) rating.

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99

39. Endorsement for an airman seeking a type rating concurrently with an additional aircraft category or class rating (other than on an airline transport pilot certificate): FAR 61.63(d)

I have given (First name, MI, last name) the training required by FAR 61.63 and find him/her competent in the aeronautical knowledge areas and proficient to pass the (private/commercial) practical test for the addition of a (name of the applicable category/class/type) rating.

/S/ [date] J.J. Jones 987654321CFI Exp. 12-31-99