

Area of Operation II - Task D

Logbook Entries related to Instrument Instruction

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Key References:

- AC 61-65J (Certification: Pilots and Flight and Ground Instructors) – Appendix A: Endorsements
- 14 CFR 61.51 (Pilot Logbook)
- Other Part 61 regulations

Before we start...

- Logbook is an official document
- Logbook entries have legal value – need to be accurate, legible, complete and in line with the FAR



1. Flight Instructor Records

- **14 CFR 61.189**

- A flight instructor must **sign the logbook of each person** that has given flight/ground training
- A flight instructor must keep records for **3 years** of the persons they have:
 - Endorsed for Solo
 - Name | Date
 - Endorsed for **Knowledge** or **Practical Test**
 - Name | Date | Kind of Test | Result

2. Logbook Entries

- **14 CFR 61.51**
 - This FAR details what must be logged, **when a pilot can log PIC** to satisfy ratings / aeronautical experience and recency
 - Logbook entry for aeronautical experience must include:
 - **Basic data:** Date | Departure | Arrival | Flight Time | Safety Pilot Name (if applicable)
 - **Aircraft data:** Make & Model (i.e. C172) | Identification (i.e. N123SP)
 - **Type of Experience:** PIC | SIC | Solo | Dual | Ground Trainer (i.e. AATD)
 - **Flight Conditions:** Day | Night | Actual Instruments | Sim Instruments
- Sole manipulator of controls
 - Sole occupant
 - More than 1 pilot not logged
 - Performs duties as if PIC

(e)(3) Flight Instructor

 - While giving training

(e)(4) Student Pilot:

 - Sole occupant w/ solo

(e)(1) Private/Comm/ATP/Sports/Recreational (*not comprehensive)

- Sole manipulator of controls for which is rated
- Sole occupant
- More than 1 pilot needed under type certificate
- Performs duties as PIC under supervision

(e)(3) Flight Instructor

- While giving training if rated to act as PIC

(e)(4) Student Pilot:

- Sole occupant w/ solo endorsement, under training

YEAR 20__ DATE	AIRCRAFT MAKE & MODEL	AIRCRAFT IDENT.	POINTS OF DEPARTURE & ARRIVAL		AIRCRAFT CATEGORY			GROUND TRAINER	TYPE OF PILOTING TIME		
			FROM	TO	AIRPLANE SEL	AIRPLANE MEL			DUAL RECEIVED	PILOT-IN- COMMAND	

CONDITIONS OF FLIGHT						NO. INSTR. APPR.	NO. LDG. DAY <div style="text-align:center;">NIGHT</div>	TOTAL DURATION OF FLIGHT	REMARKS, PROCEDURES, MANEUVERS
DAY	NIGHT	CROSS- COUNTRY	ACTUAL INSTR.	SIMULATED INSTR.					

2. Logbook Entries | Instrument Specific

• Logging Instrument Time [\[61.51\(g\)\]](#) →

- Operating solely by reference to instruments...
- Student: only if in actual or sim instrument conditions
- Instructor: only in actual instrument conditions
- Flight Simulator: instructor needs to observe student in order to log towards aeronautical experience.

• Logging Instrument Approach [\[Info 15012, 2015\]](#)

- Must be established from IAF (or vectored to intercept) to each required segment of IAP (down to MDA/DA) by reference to instruments. If simulated, needs view-limiting device and safety pilot. If actual IMC, can still log the approach if conditions change from IMC to VMC after FAF

• Logging Training Time [\[61.51\(h\)\]](#) →

(g) Logging instrument time.

- (1) A person may log instrument time only for that flight time when the person **operates the aircraft solely by reference to instruments** under **actual or simulated** instrument flight conditions.
- (2) An authorized **instructor** may log instrument time when conducting instrument flight instruction in **actual** instrument flight conditions.
- (3) For the purposes of logging instrument time to **meet the recent instrument experience** requirements of [§ 61.57\(c\) of this part](#), the following information must be recorded in the person's logbook—
 - (i) The **location** and **type of each instrument approach** accomplished; and
 - (ii) The **name of the safety pilot**, if required.
- (4) A person may use time in a full flight simulator, flight training device, or aviation training device for acquiring **instrument aeronautical experience** for a pilot certificate or rating provided an **authorized instructor is present** to observe that time and **signs the person's logbook** or training record to verify the time and the content of the training session.
- (5) A person may use time in a full flight simulator, flight training device, or aviation training device for satisfying instrument recency experience requirements provided a logbook or training record is maintained to specify the training device, time, and the content.

(h) Logging training time.

- (1) A person may log training time when that person receives training from an authorized instructor in an aircraft, full flight simulator, flight training device, or aviation training device.
- (2) The training time must be logged in a logbook and must:
 - (i) Be endorsed in a legible manner by the authorized instructor; and
 - (ii) Include a description of the training given, the length of the training lesson, and the authorized instructor's signature, certificate number, and certificate expiration date.

3. Practical Test Recommendation


- **61.65(a): Instrument Rating Requirements** →
- **61.65(b): Aeronautical Knowledge**
- **61.65(c): Flight Proficiency**
- **61.65(d): Aeronautical Experience**
 - *50h of XC time as PIC (10h in an Airplane)*
 - *40h of Act/Sim Instrument time in the areas of 61.65(c)*
 - *15h of those by a CFII (3h withing 2 cal months)*
 - *IFR XC 250nm+ with 3 kinds of approaches (nav systems)*

Notes:

- If plans to pursue Commercial certification next, CFII should log **61.129(a)(3)(i)** where appropriate – w/ view limiting devices, 10h – in addition to 61.65(c)
- 3 approaches: FAA rescinded the Glaser and Pratte legal interpretations in 2022, clarifying the requirement to be “3 kinds of approaches” and not “3 nav systems”.

- (a) **General.** A person who applies for an instrument rating must:
- (1) Hold **at least a current private pilot certificate**, or be concurrently applying for a private pilot certificate, with an airplane, helicopter, or powered-lift rating appropriate to the instrument rating sought;
 - (2) Be able to **read, speak, write, and understand the English language**. If the applicant is unable to meet any of these requirements due to a medical condition, the Administrator may place such operating limitations on the applicant's pilot certificate as are necessary for the safe operation of the aircraft;
 - (3) **Receive and log ground training** from an authorized instructor or accomplish a home-study course of training on the aeronautical knowledge areas of **paragraph (b)** of this section that apply to the instrument rating sought;
 - (4) Receive a logbook or training record **endorsement** from an authorized instructor certifying that the person is **prepared to take the required knowledge test**;
 - (5) **Receive and log training on the areas of operation of paragraph (c)** of this section from an authorized instructor in an aircraft, full flight simulator, or flight training device that represents an airplane, helicopter, or powered-lift appropriate to the instrument rating sought;
 - (6) Receive a logbook or training record **endorsement** from an authorized instructor certifying that the person is **prepared to take the required practical test**;
 - (7) **Pass the required knowledge test** on the aeronautical knowledge areas of **paragraph (b)** of this section; however, an applicant is not required to take another knowledge test when that person already holds an instrument rating; and
 - (8) **Pass the required practical test** on the areas of operation in **paragraph (c)** of this section in—
 - (i) An airplane, helicopter, or powered-lift appropriate to the rating sought; or
 - (ii) A full flight simulator or a flight training device appropriate to the rating sought and for the specific maneuver or instrument approach procedure performed. If an approved flight training device is used for the practical test, the instrument approach procedures conducted in that flight training device are limited to one precision and one nonprecision approach, provided the flight training device is approved for the procedure performed.

3. Practical Test Recommendation | IR Endorsements

- **AC 61.65J** – Certification: Pilots and Flight and Ground Instructors
- 3 endorsements needed 

Instrument Rating Endorsements

A.38	Aeronautical knowledge test: §§ 61.35(a)(1) and 61.65(a) and (b).....	A-13
A.39	Flight proficiency/practical test: § 61.65(a)(6)	A-14
A.40	Prerequisites for instrument practical tests: § 61.39(a).....	A-14

A.38 Aeronautical knowledge test: §§ 61.35(a)(1) and [61.65\(a\)](#) and (b).

I certify that [First name, MI, Last name] has received the required training of § 61.65(b). I have determined that they are prepared for the Instrument–[airplane, helicopter, or powered-lift] knowledge test.

A.39 Flight proficiency/practical test: § 61.65(a)(6).

I certify that [First name, MI, Last name] has received the required training of § 61.65(c) and (d). I have determined they are prepared for the Instrument–[airplane, helicopter, or powered-lift] practical test.

A.40 Prerequisites for instrument practical tests: § 61.39(a).

I certify that [First name, MI, Last name] has received and logged the required flight time/training of § 61.39(a) in preparation for the practical test within 2 calendar months preceding the date of the test and has satisfactory knowledge of the subject areas in which they were shown to be deficient by the FAA Airman Knowledge Test Report. I have determined they are prepared for the Instrument–[airplane, helicopter, or powered-lift] practical test.

NOTE:

A.40 covers both A.1 and A.2 for Instrument, so A1 and A2 are not needed

PREREQUISITES FOR THE PRACTICAL TEST ENDORSEMENT

A.1 Prerequisites for practical test: § [61.39\(a\)\(6\)\(i\)](#) and (ii).

I certify that [First name, MI, Last name] has received and logged training time within 2 calendar months preceding the month of application in preparation for the practical test and they are prepared for the required practical test for the issuance of [applicable] certificate.

A.2 Review of deficiencies identified on airman knowledge test: § 61.39(a)(6)(iii), as required.

I certify that [First name, MI, Last name] has demonstrated satisfactory knowledge of the subject areas in which they were deficient on the [applicable] airman knowledge test.



3. Practical Test Recommendation | CFII Endorsements

• 14 CFR 61.183

- (d) Endorsement for FOI → **Already have from the CFI certificate**
- (e) Pass knowledge test for FOI → **Not required (Already hold a CFI certificate)**
- **(f) Pass knowledge test for the rating sought → A2 (if less than 100%)**
- **(g) Endorsement on areas of operations 61.187(b)(7) → A44 and A1**
- (i) Endorsement Spin Awareness → **Already have from the CFI certificate**

PREREQUISITES FOR THE PRACTICAL TEST ENDORSEMENT

A.1 Prerequisites for practical test: § 61.39(a)(6)(i) and (ii).

I certify that [First name, MI, Last name] has received and logged training time within 2 calendar months preceding the month of application in preparation for the practical test and they are prepared for the required practical test for the issuance of [applicable] certificate.

A.2 Review of deficiencies identified on airman knowledge test: § 61.39(a)(6)(iii), as required.

I certify that [First name, MI, Last name] has demonstrated satisfactory knowledge of the subject areas in which they were deficient on the [applicable] airman knowledge test.

A.42 Flight instructor aeronautical knowledge test: § 61.183(f).

I certify that [First name, MI, Last name] has received the required training of § 61.185(a)(2) or (3) (as appropriate to the flight instructor rating sought). I have determined that they are prepared for the [name of] knowledge test.

A.44 Flight instructor certificate with instrument–(category/class) rating/practical test: §§ 61.183(g) and 61.187(a) and (b)(7). The endorsement for a practical test is required in addition to the § 61.39 endorsements provided in endorsements 1 and 2 (see paragraphs A.1 and A.2).

I certify that [First name, MI, Last name] has received the required certificated flight instructor - instrument training of § 61.187(b)(7). I have determined they are prepared for the certificated flight instructor - instrument–[airplane, helicopter, or powered-lift] practical test.

*Not listed
as required*

- (d) Receive a **logbook endorsement** from an authorized instructor on the **fundamentals of instructing** listed in § 61.185 of this part appropriate to the required knowledge test;
- (e) Pass a **knowledge test** on the areas listed in § 61.185(a)(1) of this part, unless the applicant:
 - (1) Holds a flight instructor certificate or ground instructor certificate issued under this part;
 - (2) Holds a teacher's certificate issued by a State, county, city, or municipality that authorizes the person to teach at an educational level of the 7th grade or higher; or
 - (3) Is employed as a teacher at an accredited college or university.
- (f) Pass a **knowledge test** on the aeronautical knowledge areas listed in § 61.185(a)(2) and (a)(3) of this part that are appropriate to the flight instructor rating sought;
- (g) Receive a **logbook endorsement** from an authorized instructor on the areas of operation listed in § 61.187(b) of this part, appropriate to the flight instructor rating sought;
- (h) Pass the required practical test that is appropriate to the flight instructor rating sought in an:
 - (1) Aircraft that is representative of the category and class of aircraft for the aircraft rating sought; or
 - (2) Flight simulator or approved flight training device that is representative of the category and class of aircraft for the rating sought, and used in accordance with a course at a training center certificated under part 142 of this chapter.
- (i) Accomplish the following for a flight instructor certificate with an airplane or a glider rating:
 - (1) Receive a **logbook endorsement** from an authorized instructor indicating that the applicant is competent and possesses instructional proficiency in **stall awareness, spin entry, spins, and spin recovery** procedures after providing the applicant with flight training in those training areas in an airplane or glider, as appropriate, that is certificated for spins; and
 - (2) Demonstrate instructional proficiency in stall awareness, spin entry, spins, and spin recovery procedures. However, upon presentation of the endorsement specified in paragraph (i)(1) of this section an examiner may accept that endorsement as satisfactory evidence of instructional proficiency in stall awareness, spin entry, spins, and spin recovery procedures for the practical test, provided that the practical test is not a retest as a result of the applicant failing the previous test for deficiencies in the knowledge or skill of stall awareness, spin entry, spins, or spin recovery instructional procedures. If the retest is a result of deficiencies in the ability of an applicant to demonstrate knowledge or skill of stall awareness, spin entry, spins, or spin recovery instructional procedures, the examiner must test the person on stall awareness, spin entry, spins, and spin recovery instructional procedures in an airplane or glider, as appropriate, that is certificated for spins;
- (j) Log at least **15 hours as pilot in command** in the category and class of aircraft that is appropriate to the flight instructor rating sought; and

4. IPC Endorsements

- **Endorsement after completion of an Instrument Proficiency Check (IPC)**
- If unsuccessful:
 - *No entry reflecting unsatisfactory performance is required*
- If successful:
 - *Endorsement is given as below (AC 61-65J, Appendix A)*

A.67 Completion of an instrument proficiency check (IPC): § [61.57\(d\)](#). No logbook entry reflecting unsatisfactory performance on an IPC is required.

I certify that [First name, MI, Last name], [grade of pilot certificate], [certificate number], has satisfactorily completed the instrument proficiency check of § 61.57(d) in a [M/M] aircraft on [date].

Note: IPC regulation can be found on 61.57(d)

5. Re-Test

(E) Reapplying for a Practical Test

Following **Notice of Disapproval** (Form 8060-5)

- **New Endorsement** stating that remedy training has been given and is prepared for the test
 - **A.73** – Retesting after failure of a knowledge or practical test: 61.49
- **New IACRA / Form 8710**

Following **Letter of Discontinuance** (just a letter)

- No additional endorsement needed
- Form 8710 is just returned to applicant w/ the LoD

(F) Time Limit (61.43, 61.39, and addressed on AC 61-65h 12.5)

- **FAR 61.43(e)** – Practical test can be discontinued for 4 reasons:
 - Fail one or more areas of operation
 - Inclement weather, Airworthiness, Safety of flight concern
- **FAR 61.43(f)** – If a test is discontinued, **the applicant gets credit** for the areas that they already passed **if passes the remainder of the test within 60 days after discontinuance**
- **NOTE** → FAR 61.39(f) “...all remaining increments must be completed within 2 calendar months after the month the applicant began the test” ... or “...the applicant must retake the entire test” 61.39(g)



Questions?

