

§ 61.65(d) Aeronautical Experience (Instrument-Airplane Rating)

REQUIREMENT		LOGBOOK
(d)	<i>Aeronautical experience for the instrument-airplane rating.</i>	Name:
	50 hrs PIC (min cross country time)	Item (1):
	25 hrs Actual or simulated instrument time (min)	Item (2):
	15 hrs Dual (min actual or simulated instrument time)	Item (2):
(1)	<i>Except as provided in paragraph (g) of this section, 50 hours of cross-country flight time as PIC, of which 10 hours must have been in an airplane; and</i>	XC PIC:
		XC Airplane:
(2)	<i>40 hours of actual or simulated instrument time in the areas of operation listed in paragraph (c) of this section, of which 15 hours must have been received from an authorized instructor who holds an instrument-airplane rating, and the instrument time includes:</i>	Actual or Sim Instrument:
		With Instructor:
	(i) <i>3 hours of instrument flight training from an authorized instructor in an airplane that is appropriate to the instrument-airplane rating within 2 calendar months before the date of the practical test; and</i>	Date Completed: (3 hrs w/in 60 days)
	(ii) <i>Instrument flight training on cross country flight procedures, including one cross country flight in an airplane with an authorized instructor, that is performed under instrument flight rules, when a flight plan has been filed with an air traffic control facility, and that involves—</i>	Date Completed: (Dual XC under IFR flight plan)
	(A) <i>A flight of 250 NM along airways or by directed routing from an air traffic control facility;</i>	250 NM (airways or directed)
	(B) <i>An instrument approach at each airport; and</i>	Instr Appr (each airport)
	(C) <i>3 different kinds of approaches with the use of navigation systems.</i>	3 Diff Instr Appr (using nav systems)

§ 61.65(c) Flight Proficiency (Instrument Rating)

(c) Areas of operation.

NOTES

- (1) *Preflight preparation;*
- (2) *Preflight procedures;*
- (3) *Air traffic control clearances and procedures;*
- (4) *Flight by reference to instruments;*
- (5) *Navigation systems;*
- (6) *Instrument approach procedures;*
- (7) *Emergency operations;*
- (8) *Postflight procedures.*

§ 61.65(b) Aeronautical Knowledge (Instrument Rating)

(b) Aeronautical knowledge areas.

NOTES

- (1) *Federal Aviation Regulations of this chapter that apply to flight operations under IFR;*
- (2) *Appropriate information that applies to flight operations under IFR in the “Aeronautical Information Manual;”*
- (3) *Air traffic control system and procedures for instrument flight operations;*
- (4) *IFR navigation and approaches by use of navigation systems;*
- (5) *Use of IFR en route and instrument approach procedure charts;*
- (6) *Procurement and use of aviation weather reports and forecasts and the elements of forecasting weather trends based on that information and personal observation of weather conditions;*
- (7) *Safe and efficient operation of aircraft under instrument flight rules and conditions;*
- (8) *Recognition of critical weather situations and windshear avoidance;*
- (9) *Aeronautical decision making and judgment;*
- (10) *Crew resource management, including crew communication and coordination.*

§ 61.65(a) Eligibility Requirements (Instrument Rating)

NOTES

(a) Eligibility requirements for an instrument rating:

- (1) Hold at least a current **private pilot certificate**, or be concurrently applying for a private pilot certificate, with an airplane...rating appropriate to the instrument rating sought;
- (2) Read, speak, write, & understand **English**;
- (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...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;
- (8) Pass the required **practical test** on the areas of operation in **paragraph (c)** of this section in—
 - (i) An airplane...appropriate to the rating sought; or
 - (ii) A full flight simulator [FFS] or a flight training device [FTD] appropriate to the rating sought and for the specific maneuver or instrument approach procedure performed. If an approved FTD is used for the practical test, the instrument approach procedures conducted in that FTD are limited to one precision and one nonprecision approach, provided the FTD is approved for the procedure performed.

§ 61.65(g) Combined Private Pilot Certificate with Instrument Rating

NOTES

(g) An applicant for a combined private pilot certificate with an instrument rating may satisfy the **cross-country flight time requirements** of this section by crediting:

- (1) For an instrument-airplane rating...**up to 45 hours of cross-country flight time** performing the duties of pilot in command with an authorized instructor; or
- (2) N/A (instrument-helicopter)

§ 61.65(h-j) Use of Flight Simulators & Training Devices Towards an Instrument Rating

NOTES

(h) Use of **full flight simulators [FFS]** or **flight training devices [FTD]**. If the instrument time was provided by an authorized instructor in a FFS or FTD—

- (1) A **maximum of 30 hours** may be performed in that full flight simulator or flight training device if the instrument time was completed **in accordance with part 142** of this chapter; or
- (2) A **maximum of 20 hours** may be performed in that full flight simulator or flight training device if the instrument time was **not completed in accordance with part 142** of this chapter.

(i) Use of an **aviation training device [ATD]**. A **maximum of 10 hours** of instrument time received in a **basic aviation training device [BATD]** or a **maximum of 20 hours** of instrument time received in an **advanced aviation training device [AATD]** may be credited for the instrument time requirements of this section if—

- (1) The device is approved and authorized by the FAA;
- (2) An authorized instructor provides the instrument time in the device;
- (3) The FAA approved the instrument training and instrument tasks performed in the device.

(j) Except as provided in **paragraph (h)(1)** [part 142 training] of this section, a person **may not credit more than 20 total hours** of instrument time in a FFS, FTD, ATD, or a combination towards the instrument time requirements of this section.