

PRIVATE PILOT



RIDE



STUDY



GUIDE

PRIVATE PILOT CHECKRIDE STUDY GUIDE

STUDY RESOURCES

FAR/AIM

Pilot's Handbook of Aeronautical Knowledge
Aircraft's Flight Manual

Airplane Flying Handbook

Private Pilot Oral Exam Guide
Aircraft's Maintenance Logbooks

COMMON QUESTION AREAS

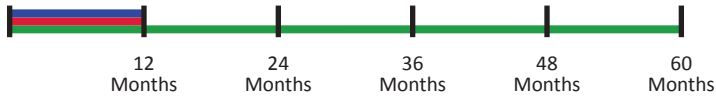
- ▶ Pilot's Required Documents (on person) FAR 61.3
 - ▶ **Pilot Certificate, Current Medical, Gov Photo ID**
- ▶ Privileges and Limitations FAR 61.13
- ▶ Medical Requirements and Duration *(See Pg. 2)* FAR 61.23
- ▶ Required Logbook Entries FAR 61.51
- ▶ Flight Review Requirements FAR 61.56
- ▶ Recent Flight Experience FAR 61.57
- ▶ Maximum Speeds FAR 91.117
- ▶ Minimum Safe Altitudes FAR 91.119
- ▶ ATC Light Signals FAR 91.125
- ▶ VFR Fuel Requirements FAR 91.151
- ▶ VFR Weather Minimums FAR 91.155; AIM 3-1-4
- ▶ Special VFR FAR 91.157
- ▶ VFR Cruising Altitudes FAR 91.159; AIM 3-1-5
- ▶ Aircraft Required Documents FAR 91.203; FAR 91.9
 - ▶ **ARROW: Airworthiness, Registraton, Radio License**
(outside U.S.), Operatng Limitatons, Weight & Balance
- ▶ Required Equipment *(See Pg. 3)* FAR 91.205
- ▶ Special Flight Permit FAR 21.197, 199; FAR 39.3
- ▶ Minimum Equipment Lists (MEL) FAR 91.213
- ▶ Transponder Requirements FAR 91.215
- ▶ Required Maintenance Inspections *(See Pg. 2)* FAR 91.409; 91.411; 91.413; 91.207
- ▶ Airspace FAR 91.126-135; AIM 3-2/3-3
- ▶ Airport Signs and Lighting AIM 2
- ▶ Special Use Airspace AIM 3-4
- ▶ NOTAMs AIM 5-1-3
- ▶ Aeromedical Factors AIM 8
- ▶ Airworthiness Directives FAR 39.3
- ▶ Aircraft Performance and Limitations AFM
- ▶ Flight Planning
- ▶ Navigation
- ▶ Aircraft Systems
- ▶ Weather (As listed in ACS)

FIRST CLASS MEDICAL

14 CFR §61.23(d)

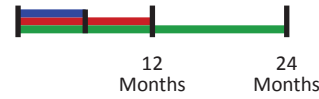
Under 40 Years Old at Date of Examination:

12 months for operations requiring a **1st class medical**
12 months for operations requiring a **2nd class medical**
60 months for operations requiring a **3rd class medical**



40 Years Old or Over at Date of Examination:

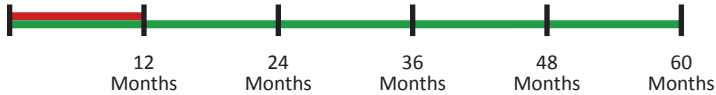
6 months for operations requiring a **1st class medical**
12 months for operations requiring a **2nd class medical**
24 months for operations requiring a **3rd class medical**



SECOND CLASS MEDICAL

Under 40 Years Old at Date of Examination:

12 months for operations requiring a **2nd class medical**
60 months for operations requiring a **3rd class medical**



40 Years Old or Over at Date of Examination:

12 months for operations requiring a **2nd class medical**
24 months for operations requiring a **3rd class medical**



THIRD CLASS MEDICAL

Under 40 Years Old at Date of Examination:

60 months for operations requiring a **3rd class medical**



40 Years Old or Over at Date of Examination:

24 months for operations requiring a **3rd class medical**



REQUIRED INSPECTIONS

“AVIATE”

Annual Inspection

14 CFR §91.409(a)

12 Calendar Months

Completed by a mechanic who is an IA. They have Inspection Authority with their Airframe & Powerplant Certificate.

VOR

14 CFR §91.171

30 Days

Only Required For IFR Operations

100 hour Inspection

14 CFR §91.409(b)

100 hrs Tach Time

This is necessary when the aircraft is used for commercial operations (including flight instruction). **The annual can be used in place of a 100 hr inspection.**

This inspection **may be exceeded by 10 hrs** only bring the aircraft to where the inspection can be accomplished. However, **the additional time must be compensated for in the next 100 hour inspection.**

Altimeter (Pitot/Statc)

14 CFR §91.411

24 Calendar Months

This is required if the aircraft is flown in controlled airspace under IFR.

Transponder

14 CFR §91.413

24 Calendar Months

A transponder cannot be operated unless this inspection has been completed.

ELT

14 CFR §91.207(d)

12 Calendar Months

Normally done at the same time as the annual inspection. **ELT batteries must be replaced when 50% of their battery life has been spent, or after 1 hour cumulative use, whichever occurs first.**

DAY VFR REQUIRED EQUIPMENT

14 CFR §91.205(b)

“TOMATO FFLAMES”

Tachometer

Oil Pressure Gauge

Manifold Pressure Gauge / *Altitude Engine*

Altimeter

Temperature Gauge / *Liquid Cooled Engine*

Oil Temperature Gauge / *Air Cooled Engine*

Fuel Quantity Indicator

Floatation Device / *Each Occupant / If For Hire & Beyond Power Off Gliding Distance From Land*

Landing Gear Indicator / *If Retractable Gear Aircraft*

Airspeed Indicator

Magnetic Compass

ELT

Seat Belt / *For Each Occupant*

NIGHT VFR REQUIRED EQUIPMENT

14 CFR §91.205(c)

“FLAPS”

Fuses / *1 Full Spare Set or 3 Spares For Each Kind*

Landing Light / *If Operated For Hire*

Anti Collision Lights

Position Lights / *Nav Lights*

Source Of Electrical Power / *Adequate For All Equipment*

INOPERATIVE EQUIPMENT

While Performing the Preflight Inspection, You Discover Inoperative Instruments or Equipment.

Can you legally fly the aircraft?

1. Is Equipment Required by the Equipment List in the AFM?

NO

YES

The Aircraft is Unairworthy and Maintenance is Required

2. Is Equipment Required by the Aircraft's Type Certificate?

NO

YES

The Aircraft is Unairworthy and Maintenance is Required

3. Is Equipment Required by an Airworthiness Directive (AD)?

NO

YES

The Aircraft is Unairworthy and Maintenance is Required

4. Is Equipment Required by 14 CFR §91.205? Day/Night Equipment?

NO

YES

The Aircraft is Unairworthy and Maintenance is Required

THE AIRCRAFT IS AIRWORTHY



The Inoperative Equipment Must Be Removed or Deactivated and Placarded as Inoperative.

14 CFR §91.213 (3)(i)(ii)



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