

SUGGESTED STUDY LIST

-Video explanation available on Youtube channel, Aidyl Concepts

Electronic FAR available at ecfr.gov

Electronic AIM available at faa.gov

Used Abbreviations

PHAK - Pilot's Handbook of Aeronautical Knowledge



AIDYL CONCEPTS

WHERE WILL YOUR IDEAS TAKE YOU?

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Federal Aviation Regulations, FAR

Part 1, Definitions and Abbreviations

1.1 - General definitions. [Not comprehensive, lacks visuals, PHAK can be more helpful](#)

1.2 - Abbreviations and symbols. [Additional abbreviations in Appendix 3, pg. 1091](#)

[Pilot/Controller Glossary available in AIM section, pg. 1097](#)

Part 21 [NOT included in FAR/AIM book, look up in \[ecfr.gov\]\(http://ecfr.gov\)](#)

21.181 - Duration. [\(of Airworthiness Certificate\)](#)

21.190 - Issue of special airworthiness certificate for light-sport category aircraft.

Part 39 [NOT included in FAR/AIM book, look up in \[ecfr.gov\]\(http://ecfr.gov\)](#)

39.3 - Definition of Airworthiness Directives:

[“FAA’s airworthiness directives are legally enforceable rules that apply to the following products: aircraft, aircraft engines, propellers, and appliances.”](#)

Part 43, Maintenance, Preventative Maintenance, Rebuilding, and Alteration

[The study list recommends to apply ALL of this part... this may not apply to all pilots.](#)

Part 61, Certification: Pilots, Flight Instructors, and Ground Instructors

61.3 - Requirements for certificates, ratings, and authorizations.

61.15 - Offenses involving alcohol or drugs.

61.16 - Refusal to submit to an alcohol test or to furnish test results. [\(not in study list\)](#)

61.23 - Medical certificates: Requirements and duration.

61.31 - Type rating requirements, additional training, and authorization requirements.

61.56 - Flight review.

61.57 - Recent flight experience: Pilot in command.

61.60 - Change of address. [Online address update service available at \[faa.gov\]\(http://faa.gov\)](#)

61.69 - Glider and unpowered ultralight vehicle towing: Experience and training requirements.

61.95 - Operations in Class B airspace and airports located within Class B airspace.

[\(Private pilots may operate within Class B airspace\)](#)

61.101 - Recreational pilot privileges and limitations.

61.113 - Private pilot privileges and limitations: Pilot in command.

Part 68, Requirements For Operating Certain Small Aircraft Without A Medical Certificate

[Basically, BasicMed.](#)

[Advisory Circular available, AC 68-1A*](#)

[*this A edition is most current as of this writing](#)

Part 71, Designation of Class A,B,C,D, and E Airspace Areas; Air Traffic Service Routes; and Reporting Points

71.5 - Reporting points.

71.71 - Class E Airspace.

[Recommended reading instead: PHAK and Aeronautical Chart User's Guide](#)

Part 91, General Operating and Flight Rules

91.3 - Responsibility and authority of the pilot in command.

91.7 - Civil aircraft airworthiness.

91.9 - Civil aircraft flight manual, marking, and placard requirements.

91.13 - Careless or reckless operation. [\(not in study list, but commonly applied\)](#)

91.15 - Dropping objects.

91.17 - Alcohol or drugs.

91.103 - Preflight action.

91.105 - Flight crewmembers at stations.

91.107 - Use of safety belts, shoulder harnesses, and child restraint systems.

91.111 - Operating near other aircraft.

91.113 - Right-of-way rules: Except water operations.

91.115 - Right-of-way rules: Water operations.

91.117 - Aircraft speed.

91.119 - Minimum safe altitudes: General.

91.121 - Altimeter settings.

91.123 - Compliance with ATC clearances and instructions.

91.125 - ATC light signals.

91.126 - Operating on or in the vicinity of an airport in Class G airspace.

91.127 - Operating on or in the vicinity of an airport in Class E airspace.

91.129 - Operating in Class D airspace.

91.130 - Operations in Class C airspace.

91.131 - Operations in Class B airspace.

91.133 - Restricted and prohibited areas. [\(not in study list\)](#)

91.135 - Operations in Class A airspace.

91.151 - Fuel requirements for flight in VFR conditions.

91.155 - Basic VFR weather minimums. [\(Rod Machado's triangle recommended\)](#)

91.157 - Special VFR weather minimums.

91.159 - VFR cruising altitude or flight level.

91.203 - Civil aircraft: Certifications required.

91.205 - Powered civil aircraft with standard category U.S. airworthiness certificates: Instrument and equipment requirements. [\(TOMATOFLAMES memory list\)](#)

91.207 - Emergency locator transmitters.

91.209 - Aircraft lights.
91.211 - Supplemental oxygen.
91.213 - Inoperative instruments and equipment. (Not in study list, but applicable)
91.215 - ATC transponder and altitude reporting equipment and use.
91.225 - Automatic Dependent Surveillance-Broadcast (ADS-B) Out equipment and use.
91.227 - Automatic Dependent Surveillance- Broadcast (ADS-B) equipment performance requirements.
91.303 - Aerobatic flight.
91.307 - Parachutes and parachuting.
91.309 - Towing: Gliders and unpowered ultralight vehicles.
91.313 - Restricted category civil aircraft: Operating limitations.
91.319 - Aircraft having experimental certificates: Operating limitations.

Subpart E- Maintenance, Preventative Maintenance, and Alterations

91.403 - General
91.405 - Maintenance required.
91.407 - Operation after maintenance, preventative maintenance, rebuilding, or alteration
91.409 - Inspections.
91.413 - ATC transponder tests and inspections.
91.417 - Maintenance records.

NTSB (49 CFR) Part 830 Notification and Reporting of Aircraft Accidents or Incidents and Overdue Aircraft, And Preservation of Aircraft Wreckage, Mail, Cargo, and Records

830.5 - Immediate notification.
830.10 - Preservation of aircraft wreckage, mail, cargo, and records.
830.15 - Reports and statements to be filed.
(Recommend also studying [NASA Aviation Safety Reporting System, pg. 1171](#))

Aeronautical Information Manual, AIM

Chapter 1, Air Navigation

1-1-4: VOR Receiver Check
1-1-16: Doppler Radar
1-1-17: Global Positioning System (GPS)

Chapter 2, Aeronautical Lighting and Other Airport Visual Aids

2-1-2: Visual Glideslope Indicators
2-1-7: Control of Lighting Systems
2-1-8: Pilot Control of Airport Lighting
2-1-9: Airport/Heliport Beacons
2-3-3: Runway Markings
2-3-4: Taxiway Markings
2-3-5: Holding Position Markings

- 2-3-8: Mandatory Instruction Signs
- 2-3-9: Location Signs
- 2-3-10: Direction Signs
- 2-3-11: Destination Signs

Chapter 3, Airspace

- 3-1-4: Basic VFR Weather Minimums
- 3-1-5: VFR Cruising Altitudes and Flight Levels
- 3-2-1: General (Controlled Airspace section)
- 3-2-3: Class B Airspace
- 3-2-4: Class C Airspace
- 3-2-5: Class D Airspace
- 3-2-6: Class E Airspace
- 3-4-3: Restricted Areas
- 3-4-4: Warning Areas
- 3-4-5: Military Operations Areas
- 3-4-6: Alert Areas
- 3-5-1: Airport Advisory/Information Services
- 3-5-2: Military Training Routes
- 3-5-4: Parachute Jump Aircraft Operations
- 3-5-5: Published VFR Routes

Chapter 4, Air Traffic Control

- 4-1-8: Approach Control Service for VFR Arriving Aircraft
- 4-1-9: Traffic Advisory Practices at Airports Without Operating Control Towers
- 4-1-11: Designated UNICOM/MULTICOM Frequencies
- 4-1-13: Automatic Terminal Information Service (ATIS)
- 4-1-15: Radar Traffic Information Service
- 4-1-18: Terminal Radar Service for VFR Aircraft
- 4-1-20: Transponder and ADS-B Out Operation
- 4-2-3: Contact Procedures
- 4-2-9: Altitudes and Flight Levels
- 4-2-13: Communications with Tower when Aircraft Transmitter or Receiver or Both are Inoperative
- 4-3-3: Traffic Patterns
- 4-3-4: Visual Indicators at Airports Without an Operating Control Tower
- 4-3-10: Intersection Takeoffs
- 4-3-11: Pilot Responsibilities When Conducting Land and Hold Short Operations (LAHSO)
- 4-3-14: Communications
- 4-3-18: Taxiing
- 4-3-23: Use of Aircraft Lights
- 4-4-6: Special VFR Clearances
- 4-4-15: Use of Visual Clearing Procedures

Chapter 5, Air Traffic Procedures

5-1-4: Flight Plan-VFR Flights

5-1-9: International Flight Plan (FAA Form 7233-4) IFR Flights (For Domestic or International Flights)

5-1-13: Change in Proposed Departure Time

5-1-14: Closing VFR/DVFR Flight Plans

5-2-4: Taxi Clearance

Chapter 6, Emergency Procedures

6-2-4: Emergency Locator Transmitter (ELT)

6-3-1: Distress and Urgency Communications

Chapter 7, Safety of Flight

7-1-3: Use of Aviation Weather Products

7-1-4: Graphical Forecasts for Aviation (GFA)

7-1-7: Categorical Outlooks

7-4-2: Vortex Generation

7-4-3: Vortex Strength

7-4-4: Vortex Behavior

7-4-5: Operations Problem Areas

7-4-6: Vortex Avoidance Procedures

7-5-6: Flights Over Charted U.S. Wildlife Refuges, Parks, and Forest Service Areas

Chapter 8, Medical Facts for Pilots

8-1-2: Effects of Altitude

8-1-3: Hyperventilation in Flight

8-1-4: Carbon Monoxide Poisoning in Flight

8-1-5: Illusions in Flight

8-1-6: Vision in Flight

8-1-8: Judgement Aspects of Collision Avoidance

Pilot/Controller Glossary

(This can be helpful with terminology used in communication with Air Traffic Control)