



PHAK Chapter 2 - Aeronautical Decision Making



1. PAVE risk mitigation (2-8)

- Pilot
- Aircraft
- Environment
- External Pressures



5. DECIDE model (2-19)

- Detect
- Estimate
- Choose
- Identify
- Do
- Evaluate



2. The 5 Ps check (2-13)

- The Plan
- The Plane
- The Pilot
- The Passengers
- The Programming



6. Safety brief (2-25)

- Seat belts
- Air vents
- Fire extinguisher
- Exit doors
- Traffic
- Your questions



3. CARE checklist: Review Hazards and Evaluate Risk (2-16)

- Consequences
- Alternatives
- Reality
- External Factors



7. IMSAFE

- Illness
- Medication
- Stress
- Alcohol
- Fatigue
- Eating/Emotion



4. TEAM Checklist: Choose and Implement Risk (2-16)

- Transfer
- Eliminate
- Accept
- Mitigate

3P

8. 3P Model (2-15)

- **Perceive** the given set of circumstances for a flight
- **Process** by evaluating their impact on flight safety
- **Perform** by implementing the best course of action



PHAK Chapters 7 & 8 - Aircraft Systems and Flight Instruments



1. LHAND - Engine of a PA-28-181

- Lycoming
- Horizontally opposed
- Air cooled
- Naturally aspirated
- Directly driven



5. VDMONA - Compass errors (8-24)

- Variation
- Deviation
- Magnetic dip
- Oscillation
- North seeking
- Acceleration/Deceleration



2. Components of the Avidyne Entegra

- PFD/MFD
- AHRS
- Dual IFD 440
- Magnetometer
- ADC
- OAT



6. UNOS

- Undershoot north
- Overshoot south



3. AHRS (8-20)

- Attitude
- Heading
- Reference (rate of turn)
- Systems (slip/skid)



7. ANDS

- Accelerate north
- Decelerate south



4. ADC (8-14)

- Air
- Data
- Computer



8. OAT (8-28)

- Outside
- Air
- Temperature gauge



PHAK Chapter 9 - Flight Manuals and Other Documents



1. SPARROWED - Aircraft documents (91.9)

- Supplements
- Placards
- Airworthiness
- Registration
- Radio license
- POH
- Weight and Balance
- External data plate
- Compass deviation card



2. AV1ATES - Required inspections (91.400s)

- Annual (12 calendar months)
- VOR (30 days)
- 100 hour if for hire
- Altimeter/Static encoder (24 calendar months)
- Transponder (24 calendar months)
- ELT (121.5 inspections every 12 months; replace after 1 hour of use or 50% of battery life)
- STC/337



3. ATOMATO FLAMES - Required day VFR (91.205 B)

- Altimeter
- Tachometer
- Oil pressure gauge
- Manifold pressure gauge
- Airspeed indicator
- Temperature gauge
- Oil temperature gauge
- Fuel gauge
- Landing gear indicator
- Anti-collision lights
- Magnetic direction indicator
- ELT
- Seat belts



4. GLENPWAS - POH table of contents Archer III PA-28-181 POH - Page 14

- General
- Limitations
- Emergency procedures
- Normal procedures
- Performance
- Weight and Balance
- Airplane handling
- Supplements



5. FLAPS - Required equipment night VFR (91.205 C)

- Fuses
- Landing light if for hire
- Anti-collision lights
- Position lights
- Source of power



PHAK Chapters 14, 15 & 17 - Airport Ops, Airspace, and Aeromedical Factors



1. NWKRAFT (91.103)

PHAK Chapter 14 - Airport operations

- NOTAMs
- Weather
- Known ATC delays
- Runway length
- Alternate
- Fuel
- Takeoff and landing distances



4. ICEFLAGS - Illusions (PHAK 17-6)

PHAK Chapter 17 - Aeromedical factors

- Inversion
- Coriolis
- Elevator
- False horizon
- Leans
- Autokinesis
- Graveyard spiral
- Somatogravic



2. MCPRAWNTTS - Special use airspace (AIM 3-4)

PHAK Chapter 15 - Airspace

- MOA (Military operations area)
- Controlled firing area
- Prohibited area
- Restricted area
- Alert area
- Warning area
- National security area
- TFR (temporary flight restriction)
- TRSA (terminal radar service area)
- SFRA (special flight rules area)



5. GARRF - Optical illusions (PHAK 17-10)

- Ground lighting illusions
- Atmospheric conditions
- Runway width
- Runway slope
- Featureless terrain



3. VANSS TFRs (AIM 3-5-3)

- VIP
- Airshow
- National Security
- Sports
- Space



6. ABCDE - Emergency operations

- Airspeed
- Best place to land
- Checklist
- Declare
- Execute



7. PSCRIPT - Private Pilot Privileges and Limitations (61.113)

- Pro rata share
- Sales (200 hours)
- Charity
- Search and Rescue
- Incidentals to business
- Production pilot (test pilot)
- Tow gliders (100 hours PIC tow gliders)