



# IFR-Checklist

## PA-28-181, SE-KIT, SE-IUD

### BEFORE STARTING ENGINE

- Parking brake ..... set
- Preflight check ..... completed
- Technical status/documents ..... verified
- Tacho time ..... note
- Seat ..... adjust
- Circuit breakers ..... check
- Electrical equipment ..... OFF
- Fuel caps ..... secured
- Compass deviation card ..... check

### STARTING ENGINE

- Master switch ..... ON
- Fuel gauges ..... check
- Fuel selector ..... desired tank
- Carburetor heat ..... OFF
- Mixture ..... full RICH
- Throttle ..... 1 cm OPEN
- Fuel pump ..... ON
- Fuel pressure ..... check
- Navigation lights ..... ON
- Primer ..... LOCKED
- Prop area ..... clear
- Starter ..... engage
- Throttle ..... 1000 RPM
- Oil pressure ..... check
- Alternator/Load ..... ON/check
- Fuel pump ..... OFF

### TAXIING

- Belts/harness ..... fasten
- Electrical equipment/radios ..... ON
- Transponder ..... standby
- Directional gyro ..... set
- NAV-aids, autopilot ..... check
- PBN-checks (if applicable)
  - GPS NAV Database* ..... valid
  - GPS Status and Raim* ..... check
- Altimeter ..... set
- Taxi area ..... clear
- Brakes ..... check
- Flight instruments ..... check in turn

### GROUND CHECK

- Throttle ..... 2000 RPM
- Magnetos ..... check
- Carburetor heat ..... check
- Engine gauges ..... check
- Vacuum ..... 4.8 - 5.1 in.Hg
- AUX vacuum ..... check
- Alternate static port ..... check
- Throttle ..... idle check, 1000 RPM
- Annunciator panel ..... press-to-test
- Mixture ..... RICH
- Fuel pump ..... ON
- Fuel selector ..... desired tank
- Trim tabs ..... set
- Flaps ..... check - set
- Controls ..... free
- Directional gyro ..... set
- Door/window ..... latch
- Flight/engine instruments ..... check
- Clearance ..... received
- NAV-aids/departure briefing ..... set/give
- Strobe light ..... ON
- Emergency procedures ..... review

### ON RUNWAY

- Gyro/Compass ..... check RWY HDG
- Transponder ..... ALT
- Landing light ..... ON
- Pitot heat ..... as required
- Takeoff time ..... note

### NORMAL TAKEOFF AND CLIMB

- Cruise climb ..... 80-90 KIAS
- Flaps ..... retract slowly
- Fuel pump ..... OFF
- Landing light ..... OFF
- Altimeter 1013 ..... if applicable

### CRUISE

- Power ..... SET
- Mixture ..... adjust
- Carburetor heat ..... check
- Icing ..... check
- Fuel selector ..... change every hour

### BEFORE DESCENT

- Directional gyro ..... set
- Vacuum ..... 4.8 - 5.1 in.Hg
- Fuel quantity ..... check
- NAV-aids ..... set & identify
- PBN-checks (if applicable)
  - Arrival/Approach* ..... set up
  - PBN-procedures* ..... preview

### APPROACH BRIEFING

- Airport & approach ..... name, type & RWY
- MSA ..... check
- IAF & Entry ..... decide
- Initial altitude ..... decide
- Inbound track ..... set
- OM/MM altitude ..... check
- Minima/DP ..... check
- Missed APCH procedure ..... check

### APPROACH AND LANDING

- Altimeter ..... set
- Mixture ..... full RICH
- Fuel selector ..... proper tank
- Trim to ..... 90 KIAS
- Fuel pump ..... ON
- Landing light ..... ON
- Carburetor heat ..... ON if required
- Flap set ..... airspeed < 103 KIAS
- Trim to ..... 70 KIAS
- Carburetor heat ..... OFF on short final
- Flaps ..... as required

### AFTER LANDING

- Flaps ..... retract
- Fuel pump ..... OFF
- Lights ..... OFF
- Pitot Heat ..... OFF
- Transponder ..... OFF
- Landing time ..... note

### STOPPING ENGINE

- Electrical equipment & radio ..... OFF
- Mixture ..... idle cut-off
- Magnetos ..... OFF
- Master switch ..... OFF
- Tacho time ..... note
- Control wheel/tie downs ..... secure