

REQUIRED AIRCRAFT EQUIPMENT

DOCUMENTS: "AROW"

- A Airworthiness Certificate
- R Registration (Plus Radio License outside US)
- O Operating Limitations/Handbook
- W Weight & Balance Data

AIRCRAFT INSPECTIONS: "AVIATE-A"

- A Annual Inspection (12 months)
- V VOR (30 days for IFR, annual for VFR)
- I Inspection at 100 Hours off of Tach
- A Altimeter/Pitot Static System (24 months)
- T Transponder/Mode C (24 months)
- E ELT (50% battery life/1 hr cum. use, annual)
- A Airworthiness Directives (aka Recalls)

VFR DAY REQUIREMENTS: "A GOOSE A CAT"

- A Anti-collisions Lights (Red or White) (+ Electrical Source)
- G Gas Gauges
- O Oil Temperature Gauge
- O Oil Pressure Gauge
- S Seatbelts
- E Emergency Locator Transmitter (ELT)
- A Altimeter
- C Compass (Magnetic)
- A Airspeed Indicator
- T Tachometer (RPM)

ALSO, FOR COMPLEX AIRCRAFT:

- Landing Gear Indicator (for retractable)
- Each Engine: Manifold Pressure Gauge
- Each Engine: Temperature Gauge (if liquid-cooled)

VFR NIGHT REQUIREMENTS: "APES"

- A Anti-collisions Lights (Red or White)
- P Position Lights
- E Electrical Source
- S Spare Fuses (doesn't apply if Circuit Breakers)

IFR REQUIREMENTS: "DECKRAT"

(In addition to VFR Day and Night Requirements)

- D Directional Gyro
- E Electrical Source
- C Clock (w/ seconds hand or digital clock)
- K Kollsman-Sensitive Altimeter
- R Radios for Facilities to be used (NAV/COM)
- A Attitude Indicator
- T Turn Coordinator w/ Ball (Skid/Slip Indicator)

(DME above 24,000' MSL)

IFR VOR CHECK

(Every 30 Days)

VOT $\pm 4^\circ$

Dual VOR's within 4°

Ground Designated Check Point $\pm 4^\circ$

Airway Check $\pm 6^\circ$

IFR VOR ENTRY MUST INCLUDE: "SPED"

- S Signature
- P Place
- E Error
- D Date

COMMERCIAL REQUIREMENTS:

(VFR Day Equipment plus:)

Night: Landing Light

Over Water: Flotation Gear for each Passenger