

1. **Test will be conducted using the PTS! Have you Read it in its entirety! Emphasis Items/Std**
2. **Requirements EVERY FLIGHT (FAR 91.103): PAVE**
  - a. (P)ilot – IMSAFE / Self Certify Fitness to Fly / Basic Med requirements/ limits
  - b. (A)ircraft – Inspections /ADs/ AROW (current) / Preflight – Airworthy
  - c. En(V)ironment – Weather: 1800wxbrief.com (official site)  
VMC?/NOTAMS/TFRs/Winds/Progs/Hazards/worse or better
  - d. (E)verything else – Airport Info (lengths)/ Freqs/all info needed for Safe Flight
  - e. GLIDERS: Crew/Tow/Schedule Soarable Weather (Interactive SkewT's)
3. **Cross Country Planning** - NOTAMS, Weather Requirements for VFR/VMC, METARs / TAFs, Where to obtain/update, ATIS, Altimeter Settings, Freqs, Airport/ Divert info, Servicing, Runway Lengths, Airport Diagrams, Signage. Call Ahead to FBO/Airport Mgr. Fuel Reserves. Local Knowledge. Airspace transitions, Restrictions along route Altitude for cruise, Other Aircraft Avoidance (Alt)/ Cloud Clearance along route
4. **Logbooks:** What to Log? Cross Country more than 50nm from Takeoff airport w landing)? Flight Time? Currency / Electronic with Logbooks OK but backup with logbook Endorsements / Ground Instruction
5. **Privileges and Limitations of Certificate.** Where to find info? Can you let a passenger fly? Control Transfer procedure. Certified? / Qualified? / Legal / Current? / Comfortable? / Payment
6. **Maintenance of Aircraft** - Part 43, Preventive/Routine, Who is responsible for maintaining – Owner/Operator, Logbook entries for 100 hr / Annual / Specials / ADs how to find
7. **How to obtain Weather Updates, Weather Options** :-122.2 How to Contact FSS / Phone / 1800WXBrief.com
8. **Risk Management / Mitigation / Crew Resources:** Delays / Reschedule – Find more experienced Pilot for Help
9. **Aircraft Condition (FAR 91.205):** Inop Equipment, Preflight Considerations – preventive maintenance, (KOEL) Kinds of Operation: MMEL/MEL (NO Light Aircraft has a MEL approved!), where found – POH, How Many Logbooks for the Aircraft: Aircraft/Engine/Prop, ADs that apply to aircraft.
10. **Wt&Balance:** Max & Min Wts. How does loading in aircraft affect aircraft performance, stall speed, stability, baggage location, climb rates with excess weight, hotter weather, rain on wings,
11. **How does the aircraft fly?:** Aerodynamics: The 4 Forces / Speed is Life! / Aviation introduction discussions / Steep turns, stalls, performance speeds, Trimming, Limitations (Vne/Va/Vmin) / (Definitions)
12. **Cockpit Management/CRM/Passenger Comfort /Brief Pax Responsibilities:**
  - i. PIC Controls Free & Clear (Cameras & Phones) (Transfer of Control) / Belts Secure -Egress
  - ii. Checklists: CBSITCBE / WUFSTALL – Verbalize
  - iii. Lookout – Aircraft / Birds / Turns
  - iv. Sick?
  - v. Emergencies – Rope Breaks / turnback altitude
  - vi. Expectations on the Flight
13. **Soaring:** Skew-Ts / Thermals (what are they? / (How they work?) / Ridge Lift / Wave?
14. **Accident/Incidents:** Part 830 Reporting Requirements
15. **Patterns:** Why? / 4 Reasons / Crosswinds / Landing Considerations (Safe / Uphill / Upwind)