

Pre-Flight Inspection Process:

Purpose:

1. To ensure that a/c is ready for flight
2. To ensure that pilot is ready for flight (documentation, currency, health)
3. Comply with Regulations
4. Ensure that flight can be done safely

Tools:

1. A/C manufacturer's check list & Supplements
2. Commercial check list(s)
3. "Home-brew" check list(s)
4. POH, weight-balance, performance calculators/charts
5. MAFC "Advisories" (Crew Letters, Scheduler Information, etc.)
6. DUAT, FSS, WX
7. Hardware: Fuel checkers, ladder, rag/towel, window cleaner

Expected Results:

1. PIC satisfied that inspection process & purpose completed
2. Abandon operation if #1 can not be accomplished

Details:

1. Check WX via: TV, DUAT-PC, automated services (telephone/radio), FSS Standard Briefing (includes NOTAMS/TFR/ADIZ information); abort operation if beyond personal minimums; check MAFC-WEB Scheduler for a/c status & notes; check Crew Letters for a/c discrepancies; check "logs" for fuel/oil added at last flight
2. At airplane Piper Pilots go counter-clockwise, starting at right door.
3. At airplane Cessna Pilots go counter-clockwise, starting at left door.
4. At airplane Most Pilots (consistency reduces errors during pre-flights):
 1. Uncover a/c, remove tie-downs & exterior control lock
 2. Unlock/Open door, store a/c cover
 3. Remove interior control lock, verify FAA/FCC documents onboard
 4. Verify ignition – OFF (remove key from ignition switch)
 5. Master – ON, verify fuel quantity gages, (flaps down); Master – OFF
 6. Verify fuel valve – ON, set trim at take-off position, record Hobbs/TAC
 7. Perform exterior "Walk-Around" starting with checking fuel quantity & quality & oil level
 8. Remove tie-downs & exterior control lock if not done in #1 above
 9. Continue "Walk-Around" checking items listed in a/c preflight check-list
 10. Note any items that should be referred to Crew Chief
 11. "Certify" that a/c is ready for flight or abandon operation

Post-Flight Inspection Process:

Purpose:

1. To ensure that a/c is secure
2. To ensure that a/c is ready for next flight
3. To ensure that Flight Plan is closed/cancelled

Tools:

1. A/C manufacturer's check list & Supplements
2. MAFC "Advisories" (Crew Letters, Scheduler Information, etc.)

Expected Results:

1. A/C is secured, locked, fuel ordered if necessary
2. MAFC "Advisories" (Crew Letters, Scheduler Information, etc.) are completed & Crew Chief notified of a/c discrepancies
3. FSS/ATC satisfied

Disclaimer: This document is not a formal pre-flight check list and is provided for training purposes only and does not supercede any Federal, State, County, Municipal, Airport & MAFC laws, regulations, rules, normal operating procedures or common sense.