

IFR Simulator Checklist

- 1) ENGINE START:
 - a) Battery - On
 - b) Mixtures - Rich
 - c) Fuel Pumps - On
 - d) Magnetos - Start
- 2) FFGUMPPS:
 - a) Flaps (Wing + Cowl) - As required
 - b) Gas (Fuel Selectors) - On
 - c) Gauges (Engines) - Normal
 - d) Undercarriage - As required and indicating
 - e) Mixtures - As required
 - f) Propellers - As required
 - g) Power (Throttles) - As required
 - h) Switches (All + Circuit Breakers) - As required
- 3) AVIONICS:
 - a) Nav/Comm 1 - Tune/Identify/Test/Set
 - b) GPS - Program
 - c) Nav/Comm 2 - Tune/Identify/Test/Set
 - d) ADF - Tune/Identify/Test/Set
- 4) COPY ATIS
- 5) REQUEST CLEARANCE (IFR/TAXI)
- 6) BRIEFINGS:
 - a) Emergency Briefing
 - b) Departure Briefing
 - c) Approach Briefing (If necessary)
- 7) MPTILT:
 - a) Mixtures - Rich
 - b) Propellers - Fine
 - c) Transponder - As required
 - d) Indicators:
 - Heading Bug - Set to runway heading
 - HSI OBS - As required
 - GPS CDI - As required
 - Avionics Idents - As required
 - e) Lights - As required
 - f) Time - Record
- 8) TAKE-OFF CLEARANCE
- 9) STATIC RUN-UP (CLEAN & GREEN):
 - a) Throttles - 1500 RPM
 - b) Engines - Inspect Visually
 - c) Gauges (Engines) - Normal

Redbird Emergency Checklist

- 1) ENGINE FEATHERING/SECURING PROCEDURE
 - a) Throttle of inop. engine - Retard to verify
 - b) Propeller control - Feather
 - c) Mixture - Cut-off
 - d) Electric fuel pump- Off
 - e) Electrical load - Reduce
 - f) Crossfeed. - If necessary
- 2) MANUAL LANDING GEAR EXTENSION
 - a) Breakers - Check
 - b) Battery - On
 - c) Alternators - Check
 - d) Airspeed . - Reduce
 - e) Gear selector - Down and locked
 - f) Landing gear breaker - Pull
 - g) Gear lights - 3 Green
- 3) FAILURE OF ONE ALTERNATOR
Ammeter indicates zero:
 - a) Verify failure - Check ammeters
 - b) Electrical loads - Reduce to minimum
 - c) Failed alternator switch - Off
 - d) Alternator breaker-Check/re-engage
 - e) Alternator switch (after 1 second) - On*If power is not restored:*
 - f) Electrical loads - Monitor
- 4) FAILURE OF BOTH ALTERNATORS
Verify failure - check ammeters
 - a) Electrical loads - Reduce to minimum
 - b) Alternator switch - Off
 - c) Alternator breaker - Re-engage
 - d) Alternator switch (after 1 second) - On*If only one alternator output is restored:*
 - e) Operating alternator switch - On
 - f) Electrical loads - Reduce
 - g) Ammeter - Check*If alternator output is not restored:*
 - h) Alternator switch - Off
 - i) Electrical loads - Reduce to minimum*Land as soon as practical.*
- 5) PROPELLER OVERSPEED(affected engine)
 - a) Throttle - Retard
 - b) Oil pressure - Check
 - c) Propeller lever - Fully decrease then set
 - d) Airspeed - Reduce
 - e) Throttle -As required to remain within limitations

NOT TO BE USED IN AIRCRAFT