

PREFLIGHT

- | | |
|--|-------------------|
| 1. PASSENGER DOOR | UNLOCK/OPEN |
| 2. EMERGENCY EXIT | PIN REMOVED |
| 3. FIRE EXTINGUISHER | CHECK |
| 4. PARKING BRAKE | SET |
| 5. FLIGHT CONTROL LOCK | REMOVE |
| 6. BATTERY SWITCH | ON |
| 7. FLAPS | SET 15°/AGREE |
| 8. EIS TEST | TEST/CHECK |
| 9. FUEL TOTALIZER | RESET |
| 10. FUEL QUANTITY AND BALANCE | CHECK |
| 11. FIRE WARNING | TEST/CHECK |
| 12. LAMPS | TEST/CHECK |
| 13. BATTERY SWITCH | OFF |
| 14. EXTERNAL POWER SWITCH | OFF |
| 15. GENS 1&2 SWITCHES | OFF |
| 16. AVIONICS 1&2 SWITCHES | OFF |
| 17. NON-ESSENTIAL BUS SWITCH | AUTO |
| 18. C/B's – OVERHEAD & SIDES | CHECK |
| 19. L/R FUEL PUMP & IGNITION SWITCHES | AUTO |
| 20. AHRS SWITCHES | SLAVE |
| 21. HEATING/COOLING SYSTEM SWITCHES | OFF/LOW |
| 22. EFIS COMPOSITE SWITCHES | NORM |
| 23. EXTERNAL LIGHT SWITCHES | BEACON-ONLY |
| 24. ICE PROTECTION SWITCHES | OFF |
| 25. LANDING GEAR SELECTOR | DOWN |
| 26. ECS SWITCH | OFF |
| 27. DUMP SWITCH | AUTO/GUARDED |
| 28. MANUAL PRESSURIZATION KNOB | CLOSED |
| 29. TRIM/FLAP INTERRUPT SWITCHES | NORM/GUARDED |
| 30. MOR/PCL/CONDITION LEVER | OFF/ IDLE/CUT-OFF |
| 31. INTERIOR LIGHTS | OFF |
| 32. FUEL/ECS FIREWALL SHUTOFFS & GEAR EXT | STOWED |
| 33. EXTERNAL COVERS/PROPELLER ANCHORS | REMOVE |
| 34. ACCESS PANELS & ENGINE COWLING | OPEN/INSPECT |
| 35. EXHAUST, INTAKE, PROP | INSPECT |
| 36. NOSE GEAR | INSPECT |
| 37. RIGHT WING: BOOT, FUEL CAP, PROBES, VENTS
FLAPS, MAIN GEAR, RADAR | INSPECT |
| 38. TAIL | INSPECT |
| 39. BATTERY/OXYGEN COMPARTMENT | INSPECT/LATCHED |
| 40. CARGO DOOR | UNLOCK/OPEN |
| 41. NITROGEN GAUGE | CHECK |
| 42. LEFT WING: MAIN GEAR, FLAPS, VENTS,
PROBES, FUEL CAP, BOOT | INSPECT |
| 43. CHOCKS | REMOVE |

BEFORE START

- | | |
|----------------------------------|-------------------|
| 1. PREFLIGHT | COMPLETE |
| 2. CARGO DOOR | SECURE (5 GREEN) |
| 3. PASSENGER BRIEF | AS REQUIRED |
| 4. PASSENGER DOOR | SECURE (6 GREEN) |
| 5. SEATS/SEAT BELTS | ADJUSTED/FASTENED |
| 6. OXYGEN LEVER/PRESSURE & MASKS | ON/CHECK |
| 7. EPS (IF INSTALLED) | TEST-ARMED/ON |
| 8. BAT 1 SWITCH | ON |
| 9. BAT 2 SWITCH (IF INSTALLED) | ON |
| 10. LANDING GEAR INDICATION | 3 GREEN |
| 11. BATTERY VOLTAGE(S) | CHECK (24 MIN) |
| 12. EPS ARM LIGHT (IF INSTALLED) | OFF |
| 13. FUEL QUANTITY AND BALANCE | CHECK |
| 14. CAWS PANEL | REVIEW |
| 15. PASS OXYGEN SWITCH | TEST/AS REQUIRED |

GLIDE DISTANCES/TIMES & BEST GLIDE AIRSPEEDS

ALTITUDE	GLIDE RANGE	GLIDE TIME	WEIGHT	V _{BG}
FL 290	78 NM	36 MINS	9921 LBS	114 KIAS
FL 250	66 NM	31 MINS	9500 LBS	112 KIAS
FL 180	49 NM	23 MINS	9000 LBS	110 KIAS
15,000'	40 NM	19 MINS	8500 LBS	107 KIAS

START (GPU-ONLY PROCEDURES IN UNDERLINED ITALICS)

- | | |
|-----------------------------------|---|
| 1. BATTERY SWITCHES | CONFIRM ON |
| <u>2. GPU CONNECT</u> | <u>CONNECT</u> |
| <u>3. EXTERNAL POWER SWITCH</u> | <u>ON</u> |
| <u>4. VOLTAGE</u> | <u>27-30 VDC</u> |
| 5. ELECTRIC COOL OR HEAT | OFF |
| 6. EXTERNAL LIGHTS | BEACON-ONLY |
| 7. L/R FUEL PUMPS | ON/AUDIBLE-AUTO |
| 8. PROPELLER AREA | CLEAR |
| 9. START SWITCH | ON |
| 10. OIL PRESSURE | CHECK |
| 11. Ng | STABLE > 13% |
| 12. CONDITION LEVER (GUARD) | GROUND IDLE |
| 13. ITT | MAX 1000° / 5 SEC
800° - 870° / 20 SEC |
| 14. ENGINE INSTRUMENTS | CHECK |
| <u>15. EXTERNAL POWER SWITCH</u> | <u>OFF</u> |
| <u>16. GPU</u> | <u>DISCONNECT</u> |
| 17. GEN 1 SWITCH | ON-VOLTS/AMPS |
| 18. GEN 2 SWITCH (CHECK BAT AMPS) | ON-VOLTS/AMPS |
| 19. HEADSETS | ON |
| 15. AVIONICS 1&2 SWITCHES | ON |
| 16. INVERTERS | CHECK BOTH |
| 17. ECS SWITCH | AUTO |
| 18. ECS TEMPERATURE SETTING | AS REQUIRED |
| 19. ELECTRIC COOL OR HEAT | AS REQUIRED |
| 20. INERTIAL SEPARATOR | OPEN |
| 21. GPS | INITIALIZE |

BEFORE TAXI

- | | |
|------------------------------|-----------------|
| 1. AHRS (AHRS 2) | CHECK-NO FLAGS |
| 2. FLAPS | CHECK 15° |
| 3. AUTOPILOT | TEST & OVERRIDE |
| 4. CAWS PANEL | NO RED LIGHTS |
| 5. SEAT BELT/NO SMOKING SIGN | AS REQUIRED |

TAXI

- | | |
|-----------------------|-----------------|
| 1. EXTERNAL LIGHTS | TAXI/BEACON/NAV |
| 2. BRAKES | CHECK |
| 3. FLIGHT INSTRUMENTS | CHECK |

BEFORE TAKEOFF

- | | |
|--------------------------------|----------------------|
| 1. PARKING BRAKE | SET |
| 2. TAKEOFF POWER | CALCULATED |
| 3. FUEL QUANTITY | CHECK |
| 4. ENGINE INSTRUMENTS | CHECK |
| 5. FLIGHT INSTRUMENTS/DIRECTOR | CHECK/SET/GA-ALT ARM |
| 6. FLAPS | CHECK-15° |
| 7. TRIM | CHECK 4/SET GREEN |
| 8. PUSHER (>5 PSI) | TEST & INTERRUPT |
| 9. FLIGHT CONTROLS | CHECK |
| 10. AVIONICS | AS REQUIRED |
| 11. TRANSPONDER | SET |
| 12. CABIN PRESSURIZATION | SET/ECS AUTO |
| 13. PROBES SWITCH | ON-CHECK CAWS-OFF |
| 14. WINDSHIELD HEAT | TEST/BOTH ON |
| 15. ICE PROTECTION | TEST/AS REQUIRED |
| 16. BATTERY AMPS | CHECK < 15 |
| 17. CAWS/EIS | REVIEW |
| 18. CREW BRIEF | COMPLETE |
| 19. PASSENGER TAKEOFF BRIEF | AS REQUIRED |
| 20. PARKING BRAKE | RELEASE |

APPROACH

- | | |
|-----------------------------|----------------------|
| 1. PASSENGER LANDING BRIEF | AS REQUIRED |
| 2. ALTIMETERS | SET/RAD ALT - SET DH |
| 3. FUEL QUANTITY & BALANCE | CHECK |
| 4. FLAPS (<163 KIAS) | AS REQUIRED |
| 5. LANDING GEAR (<177 KIAS) | DOWN |
| 6. LANDING/TAXI LIGHTS | ON |

10,000'	26 NM	13 MINS	8000 LBS	104 KIAS
5,000'	13 NM	6 MINS	7500 LBS	101 KIAS

APPROACH SPEEDS (FLAPS 40) & MAX CROSSWIND (NOT LIMITING)

WEIGHT	FLAPS 40°	CONFIGURATION	CROSSWIND
9921 LBS	84 KIAS	FLAPS 0°	30 KTS
9163 LBS	80 KIAS	FLAPS 15°	25 KTS
8663 LBS	78 KIAS	FLAPS 30°	20 KTS
8163 LBS	76 KIAS	FLAPS 40°	15 KTS

TAKEOFF

- | | |
|-------------------------|--|
| 1. HEADINGS | CROSS CHECK |
| 2. PROBES SWITCH | ON |
| 3. FLAPS | CHECK-15° |
| 4. ANNUNCIATORS | GREEN/BLUE |
| 5. TRIM | SET |
| 6. FLIGHT IDLE | SET |
| 7. LIGHTS | ALL ON |
| 8. YAW DAMPER | OFF |
| 9. TAKEOFF POWER | SET |
| 10. ENGINE INSTRUMENTS | MONITOR |
| 11. LANDING GEAR | POSITIVE RATE, UP |
| 12. LANDING/TAXI LIGHTS | OFF |
| 13. YAW DAMPER | ON |
| 14. INITIAL CLIMB | V _x (110 KIAS), V _y (120 KIAS) |

CLIMB (FROM 1,000' AGL)

- | | |
|------------------------------|---------------------|
| 1. FLAPS | UP |
| 2. CLIMB POWER | SET (36.9 PSI) |
| 3. ICE PROTECTION | AS REQUIRED |
| 4. IGNITION | AS REQUIRED |
| 5. ENGINE INSTRUMENTS | MONITOR |
| 6. CABIN PRESSURIZATION/RATE | SET/CHECK |
| 7. CABIN TEMPERATURE | SET |
| 8. INERTIAL SEPARATOR | CLOSE (IF NO ICING) |
| 9. RECOGNITION LIGHTS | OFF (>10,000') |

TRANSITION

- | | |
|-------------------------------|--------|
| 1. ALTIMETER SETTING | 29.92" |
| 2. ELECTRIC COOLING (IF USED) | OFF |

CRUISE

- | | |
|----------------------------|-----------------|
| 1. ICE PROTECTION | AS REQUIRED |
| 2. INERTIAL SEPARATOR | OPEN (IF ICING) |
| 3. POWER | SET |
| 4. ENGINE INSTRUMENTS | MONITOR |
| 5. FLIGHT INSTRUMENTS/AHRS | CHECK |
| 6. ALTIMETER SETTING | CHECK |
| 7. FUEL QUANTITY & BALANCE | MONITOR |
| 8. SEAT BELT SIGN | OFF (IF SMOOTH) |
| 9. TREND MEASUREMENT | AFTER 5 MINS |

DESCENT

- | | |
|------------------------------|--------------------|
| 1. ICE PROTECTION | AS REQUIRED |
| 2. POWER/AIR SPEED | REDUCE/MONITOR |
| 3. CABIN PRESSURIZATION/RATE | SET |
| 4. TRANSITION ALTITUDE | SET LOCAL PRESSURE |
| 5. ELECTRIC COOLING | AS REQUIRED |
| 6. RECOGNITION LIGHTS | ON (<10,000') |
| 7. CREW BRIEF | COMPLETE |
| 8. SEAT BELT/NO SMOKING SIGN | CYCLE/ON |
| 9. INERTIAL SEPARATOR | OPEN (IF ICING) |

- | | |
|-----------------------|------|
| 7. INERTIAL SEPARATOR | OPEN |
|-----------------------|------|

BEFORE LANDING

- | | |
|--|-----------------|
| 1. FLAPS | AS REQUIRED |
| 2. SPEED (KIAS FOR FLAPS 40°,30°,15°,0°) | 84, 89, 98, 118 |
| 3. AOA INDICATOR | MONITOR |
| 4. CABIN DIFFERENTIAL | 0 |
| 5. LANDING GEAR | DOWN (3 GREEN) |
| 6. AUTOPILOT/YAW DAMPER | DISENGAGE |

GO-AROUND (W/FLAPS)

- | | |
|-------------------------|----------------------|
| 1. PCL/GO-AROUND BUTTON | TAKEOFF/PRESS |
| 2. CLIMB SPEED (KIAS) | 85; 95@15° (108 ICE) |
| 3. FLAPS | SET 15° |
| 4. SPEED (KIAS) | 95 (108 ICE) |
| 5. GEAR | UP |
| 6. FLAPS | UP (15° ICE) |

AFTER LANDING

- | | |
|----------------------------|-----------------|
| 1. GROUND IDLE | SET |
| 2. FLAPS | UP/AS REQUIRED |
| 3. ECS SWITCH | AS REQUIRED |
| 4. RADAR | STANDBY |
| 5. TRANSPONDER | GROUND |
| 6. ICE PROTECTION SWITCHES | OFF |
| 7. EXTERNAL LIGHTS | TAXI/BEACON/NAV |
| 8. TRIM | RESET |

SHUTDOWN

- | | |
|-------------------------------|----------------|
| 1. PCL | IDLE DETENT |
| 2. PARKING BRAKE | SET |
| 3. ELECTRIC COOL OR HEAT | OFF |
| 4. INERTIAL SEPARATOR | CLOSED |
| 5. EXTERNAL LIGHTS | BEACON-ONLY |
| 6. ECS SWITCH | OFF |
| 7. AVIONICS BUS 2 & 1 | OFF |
| 8. EPS | OFF |
| 9. GENERATORS 2 & 1 | OFF |
| 10. SEAT BELT/NO SMOKING SIGN | OFF |
| 11. ITT | STABILIZED |
| 12. CONDITION LEVER (GUARD) | CUT-OFF |
| 13. INTERNAL LIGHTS | AS REQUIRED |
| 14. CAWS/EIS | REVIEW |
| 15. TIME & FUEL LEVEL | RECORD |
| 16. BATTERY SWITCHES < 10% Ng | OFF |
| 17. OXYGEN LEVER | OFF |
| 18. FLIGHT CONTROL LOCK | INSTALL |
| 19. CHOCKS | VERIFY CHOCKED |
| 20. PARKING BRAKE | RELEASE |

POSTFLIGHT

- | | |
|--------------------------------------|-----------------|
| 1. STRATUS | OFF |
| 2. PASSENGER HEADSETS | OFF |
| 3. WINDOW SHADES | DOWN |
| 4. PASSENGER CABIN | ORGANIZE/CLEAN |
| 5. CARGO AREA | UNLOAD |
| 6. ENGINE OIL LEVEL | CHECK |
| 7. EXTERNAL COVERS/PROPELLER ANCHORS | INSTALL |
| 8. COCKPIT WINDOW SHIELDS | INSTALL |
| 9. LAVATORY | SERVICE IF USED |
| 10. TIME, FUEL, SQUAWKS | VERIFY RECORDED |
| 11. AIRCRAFT DOORS | CLOSE & LOCK |
| 12. 10' WALK-AROUND | COMPLETE |