

BEFORE ENGINE START		
1	Preflight Inspection	COMPLETE
2	Weight and Balance	WITHIN LIMITS
3	Passengers	BRIEFED
4	Seat & Seatbelts	SECURE

ENGINE START		
1	Park Brake	VERIFY SET
2	Key	INSERT
3	Master	ON
4	Lanes A & B	ON
5	Main Pump	ON
6	EFIS BKUP & EFIS 1	BOTH ON
7	Strobe Lights	ON
8	Fuel Selector	LOWEST TANK
9	Throttle	CRACKED
10	Hobbs	RECORD
11	ECU BKUP	ON
12	Check lane lights, PSI > 40.5	
13	ECU BKUP	OFF
14	Propeller	CLEAR
15	Starter	ENGAGE
16	Throttle	2500 RPM
17	*Oil Pressure	RISING
18	Lane Lights	EXTINGUISHED
19	Main Bus Volts	> 13.8V
20	EFIS 2	ON
21	Avionics & Autopilot	BOTH ON
22	GTN	INITIALIZE

BEFORE TAXI		
1	Comm Radios	CHECK/SET
2	Altimeter	SET
3	*Navigation	CONFIGURED
4	HDG Bug	WIND
5	ALT Bug	SET
6	Transponder	SET
7	Autopilot	TEST, DISCONNECT
8	Flight Controls	FREE & CORRECT
9	Fuel Selector	SWITCH TANKS
10	Taxi Light	ON
11	Flaps	UP

TAXIING		
1	Brakes	CHECK
2	Instruments	CHECK

RUN-UP		
1	Park Brake	SET
2	Throttle	4000 RPM
3	Lanes A & B	CYCLE
4	Lane Lights	EXTINGUISHED
5	Aux Pump	ON
6	Main Pump	OFF
7	Throttle	IDLE CHECK
8	Main Pump	ON
9	Throttle	2500 RPM
10	Engine Gauges	GREEN
11	Breakers	ALL IN

DEPARTURE BRIEFING	
Departing Runway	Direction of Departure
Type of Takeoff	Crosswind Correction
RESPONSE TO ENGINE FAILURE OR FIRE	
Before Rotation	Below 1,000' AGL
1,000-2,000' AGL	Above 2,000' AGL

*BEFORE TAKEOFF		
1	Fuel Pumps	ON
2	Flaps	POS 1
3	Lights	AS REQUIRED
4	Fuel Selector	PROPER TANK
5	Trim	NEUTRAL
6	Transponder	SET
7	Seats & Seatbelts	SECURE
8	Canopy	LOCKED
9	Departure Briefing	COMPLETE

CLIMB		
1	Throttle	FULL FORWARD
2	Flaps	UP
3	Engine Gauges	GREEN
4	Lights	AS REQUIRED

CRUISE		
1	Throttle	CRUISE RPM
2	Fuel Selector	FULLEST TANK
3	Aux Pump	OFF
4	Engine Gauges	GREEN

DESCENT		
1	Altimeter	SET
2	Aux Pump	ON
3	Lights	AS REQUIRED
4	Autopilot	AS REQUIRED
5	Fuel Selector	FULLEST TANK
6	Park Brake	OFF
7	Seats & Seatbelts	SECURE

BEFORE LANDING		
1	Engine Gauges	GREEN

AFTER LANDING		
1	Flaps	AS REQUIRED
2	Lights	AS REQUIRED
3	Aux Pump	OFF
4	Pitot Heat	OFF
5	Transponder	SET

SHUTDOWN		
1	Park Brake	SET
2	Throttle	2500 RPM
3	Switches	ALL OFF EXCEPT EFIS BKUP
4	Hobbs	RECORD
5	EFIS BKUP	OFF
6	Master	VERIFY OFF
7	Key	REMOVED

Do Not Fold!

ENGINE FAILURE IN FLIGHT		
1	Airspeed	72 KIAS
2	Landing Area	LOCATE
3	Fuel Selector	SWITCH TANKS
4	ECU Backup	ON
5	Fuel Pumps	ON
6	Throttle	MIDDLE
7	Master Switch	VERIFY ON
8	Starter	ENGAGE
*IF ENGINE STARTS		
10	Aux Pump	OFF
11	LAND AT NEAREST SUITABLE AIRPORT	
IF ENGINE DOES NOT START		
13	Transponder	SQUAWK 7700
14	Comm Radio	121.5 OR AS REQUIRED
15	Transmit	DECLARE EMERGENCY
16	PERFORM EMERGENCY LANDING	

POWER OFF/EMERGENCY LANDING		
1	Seatbelts	TIGHT
2	Fuel Selector	OFF
3	Fuel Pumps	OFF
4	Lanes A & B	OFF
5	Canopy	AJAR
6	Flaps	AS NEEDED
7	Master Switch	OFF
8	Touchdown	TAIL LOW
9	Brakes	APPLY
10	Cabin	EVACUATE

ENGINE FIRE DURING START		
1	Starter	RELEASE
2	Fuel Selector	OFF
3	Fuel Pumps	OFF
4	Throttle	IDLE
5	Lanes A & B	OFF
6	Master Switch	OFF
7	Fire Extinguisher	RETRIEVE
8	Cabin	EVACUATE

ENGINE FIRE IN FLIGHT		
1	Cabin Heat	CLOSE
2	Fresh Air Vents	OPEN
3	Throttle	IDLE
4	Fuel Pumps	OFF
5	Lanes A & B	OFF
6	Fuel Selector	OFF
7	EXECUTE EMERGENCY DESCENT	
WHILE DESCENDING		
9	Transponder	SQUAWK 7700
10	Comm Radio	121.5 OR AS REQUIRED
11	Transmit	DECLARE EMERGENCY
IF FIRE DOES NOT EXTINGUISH		
13	PERFORM EMERGENCY LANDING	

EMERGENCY DESCENT		
1	Throttle	IDLE
2	Bank	30-45°
3	Airspeed	VNE (135 KIAS)

ELECTRICAL FIRE		
1	Master Switch	OFF
2	Lanes A & B	REMAIN ON
3	Electrical Switches	OFF
4	Fire Extinguisher	AS NEEDED
5	Fresh Air Vents	OPEN
IF FIRE IS EXTINGUISHED		
7	PERFORM PRECAUTIONARY LANDING	
IF FIRE DOES NOT EXTINGUISH		
9	PERFORM EMERGENCY LANDING	

LOW OIL PRESSURE		
1	Throttle	MINIMUM REQUIRED
IF OIL TEMPERATURE IS NORMAL		
3	LAND AS SOON AS PRACTICAL	
IF OIL TEMPERATURE IS HIGH		
5	LAND AS SOON AS POSSIBLE	

HIGH OIL PRESSURE		
1	Throttle	MINIMUM REQUIRED
2	LAND AS SOON AS PRACTICAL	

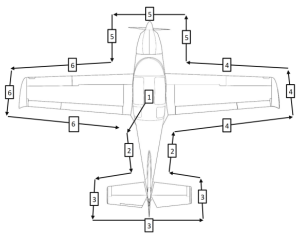
LOW FUEL PRESSURE		
1	Fuel Quantity	CHECK
2	Fuel Selector	SWITCH
3	Fuel Pumps	ON
IF PRESSURE REMAINS LOW		
5	Throttle	MINIMUM REQUIRED
6	LAND AS SOON AS POSSIBLE	

ALTERNATOR FAILURE		
1	Effectd Lane	CYCLE
IF WARNING LIGHT PERSISTS		
3	ECU Backup	ON
4	EFIS Backup	ON
5	Non-Essential Equipment	MINIMUM

DUAL ALTERNATOR FAILURE		
1	ECU Backup	ON
2	EFIS Backup	ON
3	Main Battery Voltage	VERIFY
4	Non-Essential Equipment	MINIMUM
5	Aux Pump	OFF
6	ENGINE RUN TIME: 30 MINS	

EFIS SYSTEM FAILURE		
1	MAINTAIN STRAIGHT & LEVEL FLIGHT	
2	EFIS 1 & 2	OFF
3	EFIS Backup	OFF
4	WAIT 3 SECONDS	
5	EFIS 1 & 2	ON
6	EFIS Backup	ON
7	LAND AS SOON AS PRACTICAL	

SPINS		
1	Power	IDLE
2	Ailerons	NEUTRAL
3	Rudder	OPPOSITE SPIN
4	Elevator	FORWARD



PREFLIGHT

1 FLIGHT DECK	
2 Parking Brake	SET
3 Req'd Documents	ON BOARD
4 Lanes	OFF
5 Master	ON
6 EFIS 1	ON
7 Flaps	DOWN
8 Fuel Quantity	CHECK
9 G3X	VERIFY DATABASES
10 Lights	CHECK
11 EFIS 1	OFF
12 Master	OFF
13 Windscreen	CLEAN
14 EMPENNAGE	
15 General Condition	CHECK
16 Antennas	SECURE
17 *Left Static	CLEAR
18 Horizontal Stab	SECURE
19 Vertical Stab	SECURE
20 Elevator	PROPER MOVEMENT
21 Trim Tab	CHECK CONDITION
22 Rudder	CHECK CONDITION
23 *Right Static	CLEAR

23 RIGHT WING	
24 General Condition	CHECK
25 Flap	SECURE
26 Hinges, Pushrods	CHECK CONDITION
27 Aileron	PROPER MOVEMENT
28 Wing Tip & Lights	SECURE
29 Leading Edge	UNDAMAGED
30 Fuel Vent	UNOBSTRUCTED
31 Fuel Sump	DRAIN & CHECK
32 Wheel Pant	CHECK CONDITION
33 NOSE SECTION	
34 Cowling	SECURE
35 Gascolator	DRAIN & CHECK
36 Oil & Coolant	CHECK LEVELS
37 Burp	AS NEEDED
38 Prop & Spinner	CHECK CONDITION
39 Air Intakes	CHECK CONDITION
40 Wheel Pant	CHECK CONDITION
41 LEFT WING	
42 General Condition	CHECK
43 Fuel Sump	DRAIN & CHECK
44 Wheel Pant	CHECK CONDITION
45 Fuel Vent	UNOBSTRUCTED
46 Pitot Mast	CHECK CONDITION
47 Leading Edge	UNDAMAGED
48 Wing Tip & Lights	SECURE
49 Aileron	PROPER MOVEMENT
50 Hinges, Pushrods	CHECK CONDITION
51 Flap	SECURE

52 FINAL WALK AROUND	
53 Wheel Chocks	REMOVED
54 Tie Downs	REMOVED
55 Tire Inflation	CHECK
56 Fuel Caps	IN PLACE
57 Cowl Plugs	REMOVED
58 Oil Door	CLOSED

RISK ASSESSMENT	
P	PILOT
A	AIRCRAFT
enV	ENVIRONMENT
E	EXTERNAL PRESSURES

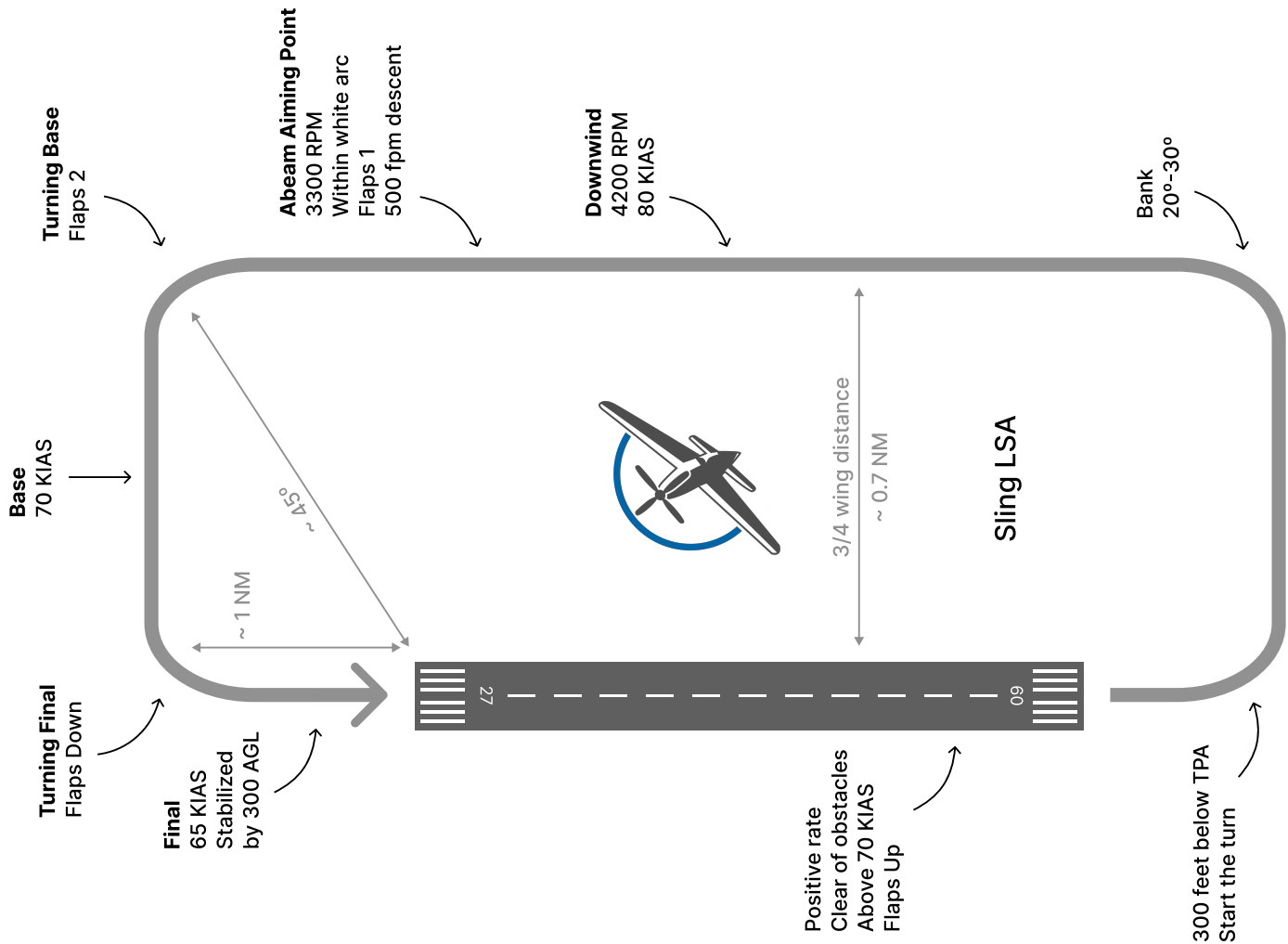
PILOT ASSESSMENT	
I	ILLNESS
M	MEDICATION
S	STRESS
A	ALCOHOL
F	FATIGUE
E	EATING OR EMOTION

PASSENGER BRIEFING	
S	SEAT BELTS & HARNESES SEAT POSITION
A	ALL ENVIRONMENTAL CONTROLS ACTION IN CASE OF DISCOMFORT
F	FIRE EXTINGUISHER
E	EXITS & EVACUATION EMERGENCY/SURVIVAL KIT
T	TRAFFIC TALKING
Y	YOUR QUESTIONS?

V SPEEDS	
Vr	45 KTS
Vs0	40 KTS
Vs1	45 KTS
Vfe	85 KTS
Vx	65 KTS
Vy	72 kts
Va	91 kts
Vno	110 kts
Vne	135 kts
Vg	72 kts

LIGHT GUN SIGNALS		
SIGNAL TYPE	AIRCRAFT ON GROUND	AIRCRAFT IN FLIGHT
Steady Green	Cleared for takeoff	Cleared to land
Flashing Green	Cleared for taxi	Return for landing
Steady Red	Stop	Give way, continue circling
Flashing Red	Taxi clear of runway	Airport unsafe, do not land
Flashing White	Return to starting point	N/A
Alternating Red and Green	Exercise extreme caution	Exercise extreme caution

Do Not Fold!



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