

PRE TAKE OFF

BREIFING _____ CONFIRMED
 FLAPS _____ STAGE 1
 NAV LIGHTS _____ ON
 LANDING LIGHT _____ ON
 FLIGHT CONTROLS _____ TEST
 CABIN _____ READY

TAKE OFF/UPWIND

POWER _____ APPLY 55KW
CHECK SYSTEM FOR WARNINGS
 CLIMB SPEED _____ 70KIAS
 FLAPS _____ RETRACT
 POWER _____ REDUCE TO 44KW
 LANDING LIGHT _____ OFF

DOWNWIND

CABIN _____ OK
 TEMPS _____ OK
 UNDERCARRIAGE _____ FIXED
 BRAKES _____ CHECKED
 BATTERY _____ OK
 SPEED _____ 80KIAS

APPROACH-FINAL

BREIFING _____ CONFIRMED
 LANDING LIGHTS _____ ON
 SPEED _____ <60KIAS
 FLAPS _____ STAGE 2
 TRIM _____ NUETRAL
 CABIN _____ READY

MOTOR RESTART IN FLIGHT

POWER LEVER _____ FULL BACK
 SWITCHES RIGHT TO LEFT _____ OFF
 PWR CTRL BREAKER _____ PULL
COUNT TO 3
 SWITCHES LEFT TO RIGHT _____ ON
 POWER _____ SLOWLY RE-APPLY

EPSI FAILURE IN FLIGHT

WITH POWER TO MOTOR
 DO NOT SWITCH THE MOTOR
 OFF, FLY TO THE CLOSEST
 AIRFIELD AND LAND
WITHOUT POWER TO MOTOR
 ATTEMPT RESTART AND IF
 NECESSARY, COMPLETE
 EMERGENCY LANDING

POWERTRAIN FIRE IN FLIGHT

POWER LEVER _____ FULL BACK
 MASTER SWITCH _____ OFF
 PWR CTRL BREAKER _____ PULL
 PERFORM EMERG. LANDING

EMERGENCY LANDING

SET BEST GLIDE SPEED_ 66KAIS
 WIND DIRECTION _____ DETERMINE
 FIELD SELECTION _____ DETERMINE
 SURROUNDINGS _____ CHECK
 SIZE _____ SURFACE _____ SLOPE
ASSESS FOR BPRS or LAND OUT
 IF APPROPRIATE LAND OUT
 AREA IS IDENTIFIED
IDENTIFY LOW KEY POINT
 HIGH KEY _____ 2500FT
MAYDAY MAYDAY MAYDAY
 SQUAWK _____ 7700
 STATUS ANNOUNCE ON RADIO
 LOW KEY _____ 1500FT
 POWER LEVER _____ FULL BACK
 MASTER SWITCH _____ OFF
 HARNESSSES _____ SECURE
 LAND OUT

BPRS DEPLOYMENT

IDENTIFY BEST AREA/DIRECTION
 POWER LEVER _____ FULL BACK
 MASTER SWITCH _____ OFF
 HARNESSSES _____ SECURE
 PROTECT HEAD _____ **DEPLOY**

PI-AE

**Pipistrel
 Alpha Electro
 Standard
 procedures**

TABLE 1. BATTERY SOC ESTIMATION BY VOLTAGE

	3.40V	20%
	3.54V	30%
	3.64V	40%
	3.75V	50%
	3.85V	65%
	3.90V	80%
	4.0V	90%
	4.2V	100%
MIN CELL V		
APPROX. SOC%		

DAILY/PRE FLIGHT INSPECTION/POWER UP

CIRCUIT BREAKERS	CLOSE ALL OPEN BREAKERS
MASTER, AVIONICS SWITCH	ON: - EPSI570 IS ENABLED, INSTRUMENTS ON, ALL INSTRUMENTS CLEAR OF OBSTRUCTION/DAMAGE
BATTERY RESET	RESET BATTERIES (FIRST FLIGHT OF THE DAY AND ON CONDITION, REFER TABLE 1 ON REVERSE)
MOTOR/MOTOR COVER	CHECK FOR COOLANT LEAKAGE, FASTENERS AND SCREWS TIGHTENED, MOTOR COVER UNDAMAGED
BATTERIES	CHECK FASTENERS, CONNECTORS AND COOLING INLET/OUTLET CLEAR OF OBSTRUCTIONS
SPINNER/PROPELLER	CHECK UNDAMAGED AND FASTENED
CONTROL SURFACES	INSPECT ALL EDGES, WING TIPS, FLAPERONS, ELEVATOR, RUDDER FOR AIRWORTHINESS
UNDERCARRIAGE	CHECK TYRE PRESSURES, TYRES, BRAKES AND UNDERCARRIAGE FOR DAMAGE/WEAR
PITOT STATIC TUBE	REMOVE COVER, CHECK FOR INSECT INGRESS AND GENERAL AIRWORTHINESS
MAIN WING SPARS AND CONNECTORS	- VISUAL INSPECTION, BOLTS TIGHT + IN POSITION
PITOT STATIC LINES/ NAV LIGHT CABLES	- CONNECTED PROPERLY AND IN POSITION
FLIGHT LOG	ACKNOWLEDGE MAINTENANCE RELEASE AND START FLIGHT IN BREEZYLOG
SET ALL INSTRUMENTS TO INITIAL SETTING	QNH, TRANSPONDER, COMM FREQUENCY, AH CALIBRATION
RADIO	CHECK, (REQUEST START/TAXI CLEARANCE)
ELEVATOR TRIM	- VERIFY TRAVEL, SET TO NUETRAL
FLAP HANDLE	LOCKING MECH FIRM, SMOOTH MOVEMENT
PARKING BRAKE	APPLIED
CONTROLS	FREE OF ALL/ANY OBSTRUCTIONS
DOORS SAFETY BELTS	CLOSED, SECURED/FASTENED
BPRS SAFETY PIN	REMOVE AND STOW
BATT EN, PWR EN SWITCH	ON - CHECK BATTERY %SOC, CHECK VALUES/ CHECK TEMP, NO WARNINGS, TEST BATT OVERHEAT WARNING
POWER AND BRAKES	CLEAR PROP, APPLY POWER, TEST BRAKES
COOLANT TEMP M/I	CHECK DURING TAXI FOR PROGRESSIVE CHANGE
TURN OVER FOR AIR SIDE PROCEDURES	TURN OVER FOR AIR SIDE PROCEDURES

SHUT DOWN PROCEDURE

PWR EN, BATT EN SWITCH	OFF
FLIGHT LOG	CLOSE FLIGHT IN BREEZYLOG, NOTE BATTERY SOC% IN THE LOG ENTRY
AVIONICS, MASTER SWITCH	OFF
BPRS SAFETY PIN	RETURN TO SAFE (LOCKED) POSITION ON BPRS LEVER
PITOT STATIC TUBE	REFIT COVER
CIRCUIT BREAKERS	IF CHARGING, ISOLOATE PWR CTRL BREAKER, IF NOT CHARGING, ISOLATE BOTH PWR CTRL AND MAIN SYS