

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 \_\_\_\_\_SET  
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

RADIO FAILURE IN FLIGHT

RADIO\_\_\_\_\_TURN OFF THEN ON  
RADIO\_\_\_\_\_TEST FUNCTION  
**IF STILL NO FUNCTION**  
SQUAWK\_\_\_\_\_7600  
**WHEN IN SIGHT OF ATC TOWER**  
**ROCK AIRCRAFT WINGS**  
FLY OVERHEAD THE FIELD AND  
FOLLOW NORMAL TRAFFIC  
PATTERN PROCEDURES

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

POWERTAIN FIRE IN FLIGHT

POWER LEVER\_\_\_\_\_FULL BACK  
MASTER SWITCH\_\_\_\_\_OFF  
PWR CTRL BREAKER \_\_\_\_\_PULL  
PERFORM EMERG. LANDING

EMERGENCY LANDING

**SET BEST GLIDE SPEED \_66KAIS**  
FIELD SELECTION\_\_DETERMINE  
WIND DIRECTION\_\_DETERMINE  
**HIGH KEY \_\_\_\_\_2500FT**  
SURROUNDINGS\_\_\_\_\_CHECK  
SIZE\_\_\_\_\_SURFACE\_\_\_\_\_SLOPE  
**MAYDAY MAYDAY MAYDAY**  
SQUAWK\_\_\_\_\_7700  
STATUS\_\_ANNOUNCE ON RADIO  
**LOW KEY \_\_\_\_\_1500FT**  
POWER LEVER\_\_\_\_\_FULL BACK  
MASTER SWITCH\_\_\_\_\_OFF  
HARNESSES\_\_\_\_\_SECURE  
LAND OUT

PI-AE

Pipistrel  
Alpha Electro  
Standard  
procedures

BATTERY SOC ESTIMATION BY VOLTAGE							
MIN CELL V	4.2V	4.0V	3.90V	3.85V	3.75V	3.64V	3.54V
	100%	90%	80%	68%	54%	42%	30%
	APPROX. SOC%						
							20%
							3.40V

## DAILY/PRE FLIGHT INSPECTION

CIRCUIT BREAKERS	CLOSE ALL OPEN BREAKERS
BATTERY RESET	RESET BATTERIES (FIRST FLIGHT OF THE DAY ONLY)
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
MASTER, AVIONICS SWITCH	ON: - EPSI570 IS ENABLED, INSTRUMENTS ON, ALL INSTRUMENTS CLEAR OF OBSTRUCTION/DAMAGE
FLIGHT LOG	<b>ACKNOWLEDGE MAINTENANCE RELEASE AND START FLIGHT IN BREEZYLOG</b>
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
POWER AND BRAKES	CELAR 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

BATT EN, PWR EN SWITCH	OFF
FLIGHT LOG	<b>CLOSE FLIGHT IN BREEZYLOG, NOTE BATTERY SOC% IN THE LOG ENTRY</b>
MASTER, AVIONICS 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