DEPARTAMENTO "SEGURIDAD OPERACIONAL"
SUBDEPARTAMENTO "LICENCIAS"
SECCIÓN EVALUACIONES

"PIPER SENECA PA-34-200T"
"CC-CRE" "MEGAPARTS S.A"

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va 4.570	136
Va 3.205	121
Vne	195
Vno	163
Vfe	107
Vle	129
Vlo extending	129
Vlo retracting	107
Vmca	66
Vs	63
Vso	61
Vx	76
Vy	89
Vsse	76
Vxse	78
Vyse	89
Vr	71
Vapp (Flap DN)	79
Max Cross Wind	17

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100LL
Capacidad Total	128
Combustible Usable	123
Presión de Combustible (PSI)	
Mínima	3.5
Maxima	20.0

3.- Pesos (LBS)

Máximo TAKE-OFF	4.570
Máximo Baggaje FWD	100
Máximo Baggaje AFT	100

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	200
Máximas RPM	2.575
RPM estáticas (en tierra)	
Máximas	2.575
Mínimas	500
Cylinder Heat Temperatura (°F)	
Máximas	460
Mínimas	240
Exhaust Gas Temperatura (°F)	
Máximas	1.650
Temperatura de aceite (°F)	
Máxima	240
Mínima	100
Presión de aceite (PSI)	
Máxima	100
Mínima	10

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	KIAS
Spin (Flaps UP)	Prohibido
Escarpados	140

B.- Emergencies Procedures

ENGINE FAILURE DURING TAKEOFF (below 85 KIAS):

a.- If engine failure occurs during takeoff and 85 KIAS has not been attained :

THROTTLES	**CLOSED**
STOP STRAIGHT AHEAD	

b.- If inadequate runway remains to stop:

THROTTLES	**CLOSED**
BRAKES	**MAXIMUM BRAKING**
BATERRY SWITCH	**OFF**
FUEL SELECTORS	**OFF**
CONTINUE	**STRAIGHT AHEAD, TURNING TO VOID OBSTACLES AS NECESSARY**

2. ENGINE FAILURE DURING TAKEOFF (85 KIAS or above):

If engine failure occurs during takeoff ground roll or after lift-off with gear still down and 85 KIAS has been attained:

a.- If adequate runway remains,

THROTTLES	**CLOSED**
LAND	**IF AIRBORNE**
STOP	**STRAIGHT AHEAD**

If runway remaining is inadequate for stopping, decide whether to abort or continue.

b.- If decision is made to continue,

HEADING	**MAINTAIN**
AIRSPEED	**MAINTAIN**
ESTABLISHING	**A CLIMB**
LANDING GEAR	**RETRACT**
ACCELERATE TO	**89 KIAS (V_{YSE})**
INOPERATIVE ENGINE	**FEATHER**

3. ENGINE FIRE IN FLIGHT:

a.- Affected engine:

FUEL SELECTOR	**OFF**
THROTTLE	**CLOSE**
PROPELLER	**FEATHER**
MIXTURE	**IDLE CUT-OFF**
HEATER	**OFF**
DEFROSTER	**OFF**
IF TERRAIN PERMITS	**LAND IMMEDIATELY**

4. ENGINE FIRE ON GROUND:

a.- If engine has not started:

MIXTURE	**IDLE CUT-OFF**
THROTTLE	**OPEN**
STARTER	**CRANK ENGINE**

If engine has already started and is running, continue operating to try pulling the fire into the engine.
If fire continues, extinguish with best available means.

b.- If external fire extinguish is to be applied.

FUEL SELECTOR VALVES	**OFF**
MIXTURE	**IDLE CUT-OFF**

5. EMERGENCY DESCENT

THROTTLE	**CLOSE**
PROPELLER	**FULL FORWARD**
MIXTURE	**AS REQUIRED FOR SMOOTH OPERATION**
LANDING GEAR	**EXTEND**
AIRSPEED	**129 KIAS**

6. OPEN DOOR (ENTRY DOOR ONLY)

If both upper and side latches are open, the door will trail slightly open and airspeed will be reduce slightly.

SLOW AIRPLANE	**BETWEEN 85 AND 94 KIAS**
STORM WINDOWS	**OPEN**
IF UPPER LATCH IS OPEN	**LATCH**
IF SIDE LATCH IS OPEN	**PULL ON ARMREST AND LATCH**
IF BOTH LATCH ARE OPEN	**LATCH SIDE LATCH THEN UPPER LATCH**
IF THE DOOR CANNOT BE CLOSED	**FLY BELOW 107 KIAS AND ABOVE 85 KIAS**