



EXAMEN DE LIMITACIONES Y EMERGENCIAS “CC-AYX”/ “CC-DAR”



Nombre del piloto:		
Fecha	Aprobado	Reprobado
Nombre y Firma del Instructor que revisó		Firma del alumno

A.- LIMITACIONES DE OPERACIÓN

1.- Limitaciones (Velocidades)

	KIAS
V _A	90
V _{NE}	146
V _{NO}	115
V _{FE}	70
V _S	34
V _{SO}	33
V _X FLAP 15°	54
V _X FLAP 0°	57
V _Y	65
V _R	NATURAL LIFT
V _{Apch}	60
V _{Planeo}	57
Max Cross Wind	16

2.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	100 HP
RPM estáticas	
Mínimas	5000
Máximas	5800 for 5 min
Temperatura de aceite (°C)	
Operacion normal	90 - 120
Mínima - Máxima	50 - 130
Presión de Aceite (BAR)	
Operacion normal	2 - 5
Mínima – Máxima	0.8 - 7

3.- Combustible (LITROS)

Tipo a Utilizar	Min. RON 95
Capacidad Total	120
Combustible Usable	118

4.- Aceite (lts.)

Capacidad Total	3
Utilizable	3
Mínimo para operar	2

5.- Pesos (KG)

Máximo TAKE-OFF	600
Máximo Equipaje	25

6.- Límites de maniobra (Cat. Normal)

Chandela	90 KIAS
Ocho Flojo	90 KIAS
Escarpados	90 KIAS
Stalls	Slow Deceleration
Spin	PROHIBITED

FECHA DE ACTUALIZACIÓN

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B.- EMERGENCY PROCEDURES

- ENGINE FAILURE AT TAKEOFF RUN

1. THROTTLE LEVER.....IDLE
2. BRAKES.....AS NEEDED
3. FUEL PUMP B & A.....OFF
4. LANE B & A.....OFF
5. MASTER SWITCH.....OFF

- ENGINE FAILURE AFTER TAKEOFF - (BELOW 400' AGL)

1. YOKE.....FORWARD
2. AIRSPEED.....57 KIAS - Flaps 0° / 15°
3. THROTTLE.....IDLE
4. MAX BANKING.....15° MAX
5. FLAPS.....AS NEEDED
6. AREA.....CHOOSE
7. FUEL PUMP B & A.....OFF
8. LANE B & A.....OFF
9. MASTER SWITCH.....OFF
10. FUEL SELECTOR.....OFF
11. AFTER TOUCH DOWN.....BRAKE AS NEEDED

- ENGINE FAILURE IN FLIGHT- (ABOVE 400' AGL)

1. AIRSPEED.....57 KIAS - FLAPS 0° / 15°
2. MAX BANKING.....30° MAX
3. AREA.....CHOOSE
4. ALTITUDE.....CHECK

- ENGINE START IN FLIGHT - (ABOVE 400' AGL)

1. UNNECESSARY ELEC.EQOFF
2. MASTER SWITCHON
3. FUEL PUMPS & LANESALL ON
4. THROTTLE LEVER.....IDLE
5. EMERGENCY SWICH.....ON
6. IF PROPELLER IS ROTATING
 - EMERGENCY SWICH.....KEEP ON

7. IF PROPELLER IS NOT ROTATING:

- STARTER BUTTON..... **PUSH**

8. IF NO START **EMERGENCY SW OFF**

9. EMERG LDG **PERFORM**

FIRES**- FIRE ON GROUND**

1. BRAKES.....**AS NEEDED**
2. FUEL SELECTOR.....**OFF**
3. THROTTLE.....**FULL**
4. HOT AIR KNOB.....**OFF**
5. COLD AIR KNOB.....**OFF**

AFTER THE ENGINE STOPS

6. FUEL PUMP B & A..... **OFF**
7. LANE B & A..... **OFF**
8. MASTER SWITCH.....**OFF**
9. AIRPLANE.....**LEAVE**
10. FIRE EXTINGUISHER.....**USE**

- ENGINE FIRE IN FLIGHT

1. AIRSPEED..... **57 KIAS - FLAPS 0° / 15°**
2. FUEL SELECTOR.....**OFF**
3. THROTTLE.....**FULL**
4. HOT AIR KNOB.....**OFF**
5. COLD AIR KNOB.....**OFF**

AFTER ENGINE STOPS

6. FUEL PUMP B & A..... **OFF**
7. LANE B & A..... **OFF**
8. XPNDR..... **7700**
9. ATC **NOTIFY**
10. MASTER SWITCH..... **OFF**
11. EMERGENCY LANDING..... **PERFORM**

- WING FIRE

- 1.- PITOT HEAT..... **OFF**
- 2.- LANDING LIGHT..... **OFF**
- 3.- POSITION LIGHT..... **OFF**
- 4.- BEACON LIGHT.. **OFF**

OTHER EMERGENCY

- VIBRATIONS / HIGH OIL TEMP / LOW & HIGH OIL PR / HIGH EGT / HIGH COOLANT

1. THROTTLE LEVER..... **REDUCE**
2. LANDING **ASAP**
3. FLIGHT LOG..... **NOTE**
NOTE: If severe vibration and loss of power may be due to be
Operating with 3 cylinders.
4. ASAP ON GROUND **ENGINE SHUTDOWN**

- CANOPY DEPLOYED IN FLIGHT

1. YOKE..... **HOLD FIRMLY**
2. SPEED..... **65 KIAS**
3. CANOPY FRAME..... **ABOVE 400 FT**
TRY TO JOIN WITH ARM

- FUEL PRESS OUT OF RANGE

1. THROTTLE LEVER..... **REDUCE**
2. IF ABOVE LIMIT
PUMP B..... **OFF**
3. IF BELOW LIMIT
PUMP B..... **ON**
4. LANDING..... **ASAP**
5. ASAP ON GROUND **ENGINE SHUTDOWN**

- EMERGENCY LANDING

1. AIRSPEED..... **57 KIAS - FLAPS 0° /15°**
2. AREA **CHOOSE**
3. FLAPS **AS NEEDED**
4. FUEL PUMP B & A..... **OFF**
5. LANE B & A..... **OFF**
6. FUEL SELECTOR..... **OFF**
7. ATC **NOTIFY**
8. MASTER SWITCH..... **OFF**