



DEPARTAMENTO "SEGURIDAD OPERACIONAL"
SUBDEPARTAMENTO "LICENCIAS"
SECCIÓN EVALUACIONES

CESSNA 172 - SKYHAWK
CC – ALY

NOMBRE: _____

FECHA: _____

Firma: _____

A.- LIMITATIONS

1.- Airspeed Limitations (CAS)

	MPH
Va	112
Vne	182
Vno	145
Vfe	100
Vs	57
Vso	49
Vx	75
Vy	91
Vr	60
Vapp (Flaps Down)	70
Vglide (Flaps UP)	80
Max Crosswind- KTS	15

2.- Fuel Limitations (U.S GAL)

Approved Fuel Grades	100 LL
Total fuel	38
Unusable fuel (each tank)	2.0

3.- Weight limits (LBS)

Maximum TAKE-OFF	2300
Baggage 1	120
Baggage 2	50
Areas (1 + 2)	120

4.- Power Plant Limitations

Engine Operations Limits	
Maximum power HP	150
Maximum engine speed	2700
Static RPM	
Maximum	2370
Minimum	2270
Oil Pressure (PSI)	
Maximum	100
Minimum	25
Oil Temperature (°F)	
Maximum	245
Minimum	100

5.- Maneuvers Limits

A.- (Utility category)

Maneuvers – Maximum Entry Speed MPH*	
Chandelle	120
Lazy Eights	120
Steep Turns	112
Spins	Use Slow Deceleration
Stalls Except Whip Stalls)	Use Slow Deceleration

***Abrupt use of the controls is prohibited above 112 MPH.**

B.- EMERGENCY PROCEDURES

1.- ENGINE FAILURE DURING TAKEOFF

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

2.- ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	75 MPH Flaps UP 70 MPH Flaps DOWN
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3.- ENGINE FAILURE DURING FLIGHT

Airspeed	80 MPH
Carburetor Heat	ON
Primer	IN and LOCKED
Fuel Shutoff Valve	ON
Mixture	RICH
Ignition Switch	BOTH (or START if propeller is stopped)

4.- EMERGENCY LANDING WITHOUT ENGINE POWER

Airspeed	75 MPH Flaps UP 70 MPH Flaps DOWN
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED - 40° recommended
Master Switch	OFF
Doors	UNLATCH PRIOR TO TOUCHDOWN
Touchdown	SLIGHTLY TAIL LOW
Brakes	APPLY HEAVILY

5.- FIRE DURING START ON GROUND

Cranking	CONTINUE , to get a start wich would suck the Flames and accumulated fuel through the carburetor and into the engine.
If engine starts	
Power	1700 RPM - For a few minutes
Engine	SHUTDOWN
If engine fails to starts	
Cranking	CONTINUE , in effort to obtain a start
Fire Extinguisher	OBTAIN
Engine	SECURE
Master Switch	OFF
Ignition Switch	OFF
Fuel Shutoff Valve	OFF
Fire	EXTINGUISH
Fire Damage	INSPECT

6.- ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector	OFF
Master Switch	OFF
Cabin Heat and Air	OFF
Airspeed	120 MPH , If fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture).
Forced Landing	EXECUTE , as described in emergency landing without engine power.